Quality Clauses

101 Quality System Requirements
The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements:

1. A current, documented Quality System Manual shall be in place
2. Control of Documents
3. Control of Records
4. Management Review
5. Competence, Training and Awareness
6. Sub-Contract/Supplier Certification and Management
7. Control of Monitoring and Measurement Equipment
8. Monitoring and Measurement of Customer Satisfaction
9. Internal Audits
10. Monitoring and Measurement of Quality Management System Processes
11. Monitoring and Measurement of Product
12. Control of Non-conforming Product
13. Continual Improvement, Corrective Action, and Preventive Action

NOTE: All specifications and revisions, unless otherwise specified, are the current version in effect at the time the PO is issued.

102 Calibration Requirements. All measuring equipment and/or test instruments shall be calibrated in accordance with ISO 10012-1, or ISO/IEC 17025. Calibration reports with status labels on equipment are required.

103 Soldering Requirements. All soldering operations, including inspection, shall be performed in accordance with IPC-J-STD-001 Class 3 or ANSI/IPC-A-610, CLASS 3.

104 ESD Requirements. The supplier shall maintain an ESD Management System that complies with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. All electrostatic sensitive devices shall be packaged, marked and handled in compliance with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. Any ESD violation to electrostatic sensitive devices will be cause for rejection.

105 First Article Requirements. The first article(s) provided shall be identified as “FIRST ARTICLE, IMMEDIATE INSPECTION REQUIRED” and submitted to Quality Assurance for review and approval prior to production. Compliance with requirements will be determined by inspection/test to applicable drawings and specifications. IF a first article was previously provided and accepted, this clause is waived. A NEW FA shall be required when there is a change in: design, process, tooling, materials or has not been produced within two years.

106 Source Inspection Requirements. Buyer has the right to perform inspection or test of products/services at the supplier’s facility prior to each shipment. When bid is awarded, Buyer’s Quality Assurance must be notified to arrange for source inspection or waiver, if applicable. Successful completion of source inspection or waiver authorizes shipment of items. Source inspection does not constitute final acceptance, which will occur at Buyer’s designated facility.
Quality Clauses

107 Source Surveillance Requirements. All items covered by this purchase may be subject to source surveillance by Buyer’s Quality representative.

108 Government Source Inspection Requirements. The Government has the right to perform inspection or test of products/services at the supplier’s facility prior to each shipment. Such verification will not relieve Buyer of its own verification requirements. When bid is awarded, Buyer’s Quality Assurance must be notified to arrange for source inspection or waiver, if applicable.

109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

110 Certification of Conformance (C of C) Printed Wiring Boards. C of C IAW IPC-6012-CLASS 3 (Qualification and Performance Specification for Rigid Printed Boards) and IPC-TM-650 Test Methods are required with each shipment. Acceptability shall be IAW IPC-A-600 Class 3. Particular attention must be paid to Intra-Layer Registration, Through-hole Plating Thickness, Bow and Twist. Provide serial number log with test data. Coupons and micro sections need not be sent as long as they are available at vendor's site.

111 Age Sensitive Material with Shelf-life Requirements. Provide certification, which identifies the material’s cure date or date of manufacture, expiration date, and special storage and/or handling requirements. Material shall have, as a minimum, 75% of its shelf life remaining upon receipt at Buyer’s facility.


113 Special Process Certificates of Conformance. Special processes such as welding, chromate, anodize, heat treat, electroplating, non-destructive testing, etc., shall be performed by certified sources and personnel. The supplier shall maintain processor’s certificates on file.

114 Lot Traceability Requirements. Date Code/Lot Code Requirements. Parts shall be identified with Date Code and/or Lot Code. The identification shall be traceable to the date of manufacture and the manufacture of part.

115 Sampling Requirements. Inspection shall be performed in accordance with ANSI/ASQC Z1.4, General Inspection Level II, and Acceptable Quality Level 1.5. INSPECTION DATA MUST ACCOMPANY EACH SHIPMENT AND BE TRACEABLE TO EACH PART INSPECTED.

116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.

117 Chemical/Physical Requirements. Actual results of Chemical/Physical tests conducted on materials submitted must be provided. Reports shall identify material specification and revision (unless otherwise specified, the specification revision in affect at the time issuance of the PO), tests conducted and results, and material lot or heat number utilized. Metals incorporated and delivered under this
Quality Clauses

contract are preferred to be milled, produced or melted/smelted in compliance with DFARS 252.225-7008. Metals that are not compliant with DFARS 252.225-7008 require the actual results of appropriate ASTM standard testing for Chemical/Physical tests conducted on the material by a domestic, recognized materials testing facility. These requirements shall apply to Seller and shall be flowed to all Sellers’ sub-tiers who provide metals pursuant to this contract.

118 X-Ray Inspection Requirements. X-rays and their protective envelopes shall be labeled with Purchase Order number, item part number(s), applicable serial number(s), and orientation/view angle (i.e., Top, Side, and End views and/or 0 deg., 90 deg.). Parts shall be X-rayed in at least two orientations to determine the approximate size and location of defects, if any. Parts may be identified using permanent ink (i.e., Black or Blue Sharpie) and shall be traceable to inspection data and X-ray. The test lab shall visually inspect Parts and X-rays for surface contaminants and cleaned using water and a lint free cloth, as necessary. Rejected parts not meeting appropriate acceptance criteria shall be segregated and identified.

119 Serial Numbers. When required by Purchase Order, items will be identified with unique serial numbers.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

122 Packaging of Flex Circuits. Must be packaged between two pieces of cardboard and wrapped in bubble wrap. Package in lots of 25 maximum pieces.

123 Packaging of Connector Pins. Must be packaged to prevent damage during shipment.

124 Packaging Surface Mount Components. Must be mounted on tape or reel with a minimum leader length of 18 inches.

125 Packaging of Zener Diodes. Components shall be packaged for shipment so that the cathode terminal is free standing and no stress can be imparted to these terminals during shipment. Packaging using cardboard vertical separators without supporting cathode or loosely bagged in bulk is NOT acceptable.

126 Packaging O-rings-Back-up Rings. Bulk Packaging is acceptable.

127 Packaging Underwater Range Cables. Cable Delivered on Reels. Cables weighing more than 8,000 pounds must be on steel reels. Cable reel marking shall be waterproof, securely fastened to the reel and include: Manufacturer Name, Reel Identification number, Reel Gross Weight, Cable Identification Number(s), and actual Cable length(s). The bottom end and both ends of any intermediate layer of each cable shall have a minimum of 2 meters available to pull out of the reel for testing. The cable shall be identified on each end with a waterproof factory cable identification number, traceable to data package.
Quality Clauses

Cable Delivered in Containers. Cable(s) shall be panned in an appropriately sized container so that the minimum bend radius of the cable is not violated and is cribbed with welded steel cribbing so that the cable cannot shift during shipment. The bottom end and both ends of any intermediate layer of each cable shall have a minimum of 30 meters of cable available to pull out of the container for testing. The cable shall be identified on each end with a waterproof factory cable identification number, traceable to data package.

Cable Delivered in Pans. Cable(s) shall be panned in steel pans. The pans for truck shipment shall be a maximum of 144 inches wide. The bottom end and both ends of any intermediate layer of each cable shall have a minimum of 30 meters of cable available to pull out of the pan for testing. The cable shall be identified on each end with a waterproof factory cable identification number, traceable to data package.

128  SULFUR Contamination. Steps shall be taken in the mixing, storage and processing of this material to preclude contamination with sulfur.

129  MERCURY Exclusion Certification. Materials furnished under this Purchase Order MUST NOT contain elemental mercury or chemically/thermally unstable mercury compounds.

130  Cleanliness Requirements. These parts are critical. To provide the necessary characteristics for which they were designed, parts must be delivered clean, in excellent condition and without foreign debris imbedded in or on the surface.

131  Segregation/Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is used.

133  Titanium Welding Procedure Spec (WPS, IAW AWS D1.9/D1.9M).
• Procedure Qualification Record (PQR) and Quality Control Qualifications. Contractor shall send with each shipment of a welded part, copies of the welder’s PQR and the inspector’s Quality Control Qualifications.
• Contractor’s WPS’s shall be formally reviewed and approved by MariPro Engineering prior to production assembly.
• Inspection reports included with each shipment of a welded part shall be an as-built data package traceable to each welded part containing WPS, inspection reports and testing data (non-destructive per contract).
• Sect. 5.6.3 – Replacement of damaged base material. Contractor shall not remove or replace damaged base material per section 5.6.3 without MariPro approval of a Supplier Request for Material Review. (See Quality Clause # 131 - SRMR).

137  Assembly Piece Part Data Pkg. A data package for each piece part of the assembly shall include requirements listed in attached Purchase Order Quality Clauses.

138  Traceability Requirements. Traceability to raw material of all products, components, and processes are inclusive in this purchase order. Seller shall provide ID, such as lot numbers and/or date-
codes and maintain traceability information needed to trace material, process and product back to components, raw materials and stock. These records must show compliance to all purchase order, BOM, drawing, and specification requirements.

139 Rework/Repair/Use-As-Is. Rework and touch-up may be permitted as long as it meets the drawing requirement. However, supplier shall not perform any Repair/UAI on product without written pre-authorization recorded on Supplier Request for Material Review (SRMR) form 106-3 provided by purchasing. Supplier shall request SRMR from purchasing, fill out and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR form is used. (See Quality Clause # 131 - SRMR)

140 Supplier Responsibilities. The Supplier shall be responsible for controlling / tracking changes to parts and components manufactured to ensure that the end product meets specified functional and physical requirements of this Purchase Order. This includes any part or component manufactured to customers’ or vendors’ drawings, specifications, or special process procedures. At a minimum, with each shipment, the Supplier shall submit “configuration documents,” which define the requirements, designs, build / production, and verification for a configuration controlled item. This record shall be signed and dated by an official of the Supplier’s quality assurance department, and, in addition, shall include the following minimum requirements:

- Contract / Purchase Order number and line item number, if applicable
- Part number of deliverable item and all traceable sub-tiered parts
- Serial number, as contractually required
- Lot number, as contractually required
- Drawing number for drawings related to deliverable item(s) and all traceable sub-tiered parts
- Revision level (baseline configuration of drawing to which hardware was built)
- Engineering order(s) or equivalent drawing changes as applicable
- Supplier Request for Material Review (SRMR), form 106-3 as applicable

141 Records – Traceability. Processing, inspection, test and all Quality Records shall be retained by Seller for a period of not less than 20 years beyond fulfillment of the Purchase Order, and shall be made available to L-3 MariPro, L-3 MariPro-authorized representatives or authorized regulatory agencies for review, upon request and with reasonable notice. L-3 MariPro has the right to acquire or inspect data on-site at every tier. Upon acceptance of any L-3 MariPro purchase order, Seller agrees to notify L-3 MariPro in writing 30 days prior to destruction of any records that directly impact L-3 MariPro purchases.

142 Drop Shipment - DOCUMENT REQUIREMENTS (Delivery at destination other than L-3 MariPro)

Goods ordered pursuant to this purchase order delivered to a destination other than L-3 MariPro Receiving require that a copy of all documentation, referencing the purchase order number, must be sent to L-3 MariPro, Attn: Receiving, at the time of shipment. A copy of all required documentation must also accompany the shipment. Final acceptance of goods is contingent upon receipt and approval of the Quality data by L-3 MariPro.
Quality Clauses

144 Counterfeit Parts - The supplier shall maintain a Material Authenticity program that aligns and is consistent with the intent of AS5553 Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition.

145 Subcontracting. Subcontracting all or part of the work procured on this PO without written approval of L-3 MariPro is prohibited. All APPROVED subcontracted operations must meet all provisions of the PO and be certified by the subcontractor.

146 Material/Process Substitutions. All purchased materials and services are subject to inspection for compliance to this purchase order and all applicable quality clauses. No material or process substitutions, quantity variations or splits from the purchase order may be made without prior written authorization from L-3 MariPro. This clause or provision applies to this supplier and contract and to any of the supplier's sub-tier contractors under this procurement.

147 Raw Material Metals. Metals incorporated and delivered under this contract are preferred to be milled, produced or melted/smelted in compliance with DFARS 252.225-7014. Metals that are not compliant with DFARS 252.225-7014 are required to be accompanied by the actual results of appropriate ASTM standard testing for Chemical/Physical tests conducted on the material by a domestic, recognized materials testing facility. Reports shall identify material specification and revision, tests conducted and results, and material lot or heat number utilized. These requirements shall apply to Seller and shall be flowed to all Sellers' sub-tiers who provide metals pursuant to this contract.

148 100% Inspection of each float shall be performed at supplier and traceable to inspection data.
Quality Clauses

151 Printed Wiring Boards (PWB)
101 The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)
106 Source Inspection Requirements. Buyer has the right to perform inspection or test of products/services at the supplier’s facility prior to each shipment. When bid is awarded, Buyer’s Quality Assurance must be notified to arrange for source inspection or waiver, if applicable. Successful completion of source inspection or waiver authorizes shipment of items. Source inspection does not constitute final acceptance, which will occur at Buyer’s designated facility.
110 Certification of Conformance (C of C) Printed Wiring Boards. C of C IAW IPC-6012-CLASS 3 (Qualification and Performance Specification for Rigid Printed Boards) and IPC-TM-650 Test Methods are required with each shipment. Acceptability shall be IAW IPC-A-600 Class 3. Particular attention must be paid to Intra-Layer Registration, Through-hole Plating Thickness, Bow and Twist. Provide copy of serial number log with test data. Coupons and micro sections need not be sent as long as they are available at vendor’s site.
114 Lot Traceability Requirements. Date Code/Lot Code Requirements. Parts shall be identified with Date Code and/or Lot Code. The identification shall be traceable to the date of manufacture and the manufacture of part.
116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.
119 Serial Numbers. When required by Purchase Order items will be identified with unique serial numbers.
121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.
131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

152 Circuit Card Assemblies (CCA)
101 The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)
103 Soldering Requirements. All soldering operations, including inspection, shall be performed in accordance with IPC-J-STD-001 Class 3 or ANSI/IPC-A-610, CLASS 3.
104 ESD Requirements. The supplier shall maintain an ESD Management System that complies with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. All electrostatic sensitive devices shall be packaged, marked and handled in compliance with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. Any ESD violation to electrostatic sensitive devices will be cause for rejection.
106 Source Inspection Requirements. Buyer has the right to perform inspection or test of products/services at the supplier’s facility prior to each shipment. When bid is awarded, Buyer’s Quality Assurance must be notified to arrange for source inspection or waiver, if applicable. Successful
Quality Clauses

completion of source inspection or waiver authorizes shipment of items. Source inspection does not constitute final acceptance, which will occur at Buyer’s designated facility.

109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

119 Serial Numbers. When required by Purchase Order items will be identified with unique serial numbers.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

146 Material or Process Substitutions. All purchased materials and services are subject to inspection for compliance to this purchase order and all applicable quality clauses. No material or process substitutions, quantity variations or splits from the purchase order may be made without prior written authorization from L-3 MariPro. This clause or provision applies to this supplier and contract and to any of the supplier's sub-tier contractors under this procurement.

153 ATM SONET (LIMOs), Optical Transmitters/Receivers

101 The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)

104 ESD Requirements. The supplier shall maintain an ESD Management System that complies with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. All electrostatic sensitive devices shall be packaged, marked and handled in compliance with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. Any ESD violation to electrostatic sensitive devices will be cause for rejection.

114 Lot Traceability Requirements. Date Code/Lot Code Requirements. Parts shall be identified with Date Code and/or Lot Code. The identification shall be traceable to the date of manufacture and the manufacture of part.

119 Serial Numbers. When required by Purchase Order items will be identified with unique serial numbers.

116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.
Quality Clauses

154  **Electronic Components**

101  The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)

104  ESD Requirements. The supplier shall maintain an ESD Management System that complies with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. All electrostatic sensitive devices shall be packaged, marked and handled in compliance with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. Any ESD violation to electrostatic sensitive devices will be cause for rejection.

109  Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

114  Lot Traceability Requirements. Date Code/Lot Code Requirements. Parts shall be identified with Date Code and/or Lot Code. The identification shall be traceable to the date of manufacture and the manufacture of part.

121  Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

155  **Magnetics (Inductors and Transformers) IAW Buyer’s Drawing/SCD/SP/Part Number**

101  The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)

105  First Article Requirements. The first article(s) provided shall be identified as “FIRST ARTICLE, IMMEDIATE INSPECTION REQUIRED” and submitted to Quality Assurance for review and approval prior to production. Compliance with requirements will be determined by inspection/test to applicable drawings and specifications. IF a first article was previously provided and accepted, this clause is waived. A NEW FA shall be required when there is a change in: design, process, tooling, materials or has not been produced within two years.

107  Source Surveillance Requirements. All items covered by this purchase may be subject to source surveillance by Buyer’s Quality representative.

116  Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.

119  Serial Numbers. When required by Purchase Order items will be identified with unique serial numbers.

121  Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

131  Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made
Quality Clauses

by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

146. Material or Process Substitutions. All purchased materials and services are subject to inspection for compliance to this purchase order and all applicable quality clauses. No material or process substitutions, quantity variations or splits from the purchase order may be made without prior written authorization from L-3 MariPro. This clause or provision applies to this supplier and contract and to any of the supplier's sub-tier contractors under this procurement.

156 Raw Stock - Metals (Aluminum, Steel, Brass, Titanium, Copper, etc.)

117 Chemical/Physical Requirements. Actual results of Chemical/Physical tests conducted on materials submitted must be provided. Reports shall identify material specification and revision, tests conducted and results, and material lot or heat number utilized. Metals incorporated and delivered under this contract are preferred to be milled, produced or melted/smelted in compliance with DFARS 252.225-7008. Metals that are not in compliant with DFARS 252.225-7008 are required to be accompanied by the actual results of appropriate ASTM standard testing for Chemical/Physical tests conducted on the material by a domestic, recognized materials testing facility. These requirements shall apply to Seller and shall be flowed to all Sellers’ sub-tiers who provide metals pursuant to this contract.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

157 Machined Parts/Assembled Parts

105 First Article Requirements. The first article(s) provided shall be identified as “FIRST ARTICLE, IMMEDIATE INSPECTION REQUIRED” and submitted to Quality Assurance for review and approval prior to production. Compliance with requirements will be determined by inspection/test to applicable drawings and specifications. IF a first article was previously provided and accepted, this clause is waived. A NEW FA shall be required when there is a change in: design, process, tooling, materials or has not been produced within two years.

106 Source Inspection Requirements. Buyer has the right to perform inspection or test of products/services at the supplier’s facility prior to each shipment. When bid is awarded, Buyer’s Quality Assurance must be notified to arrange for source inspection or waiver, if applicable. Successful completion of source inspection or waiver authorizes shipment of items. Source inspection does not constitute final acceptance, which will occur at Buyer’s designated facility.

109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specification) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

113 Special Process Certificates of Conformance. Special processes such as welding, chromate, anodize, heat treat, electroplating, non-destructive testing, etc., shall be performed by certified sources and personnel. The supplier shall maintain processor’s certificates on file.
Quality Clauses

115 Sampling Requirements. Inspection shall be performed in accordance with ANSI/ASQC Z1.4, General Inspection Level II, and Acceptable Quality Level 1.5. INSPECTION DATA MUST ACCOMPANY EACH SHIPMENT AND BE TRACEABLE TO EACH PART INSPECTED.

117 Chemical/Physical Requirements. Actual results of Chemical/Physical tests conducted on materials submitted must be provided. Reports shall identify material specification and revision, tests conducted and results, and material lot or heat number utilized. Metals incorporated and delivered under this contract are preferred to be milled, produced or melted/smelted in compliance with DFARS 252.225-7008. Metals that are not in compliant with DFARS 252.225-7008 are required to be accompanied by the actual results of appropriate ASTM standard testing for Chemical/Physical tests conducted on the material by a domestic, recognized materials testing facility. These requirements shall apply to Seller and shall be flowed to all Sellers’ sub-tiers who provide metals pursuant to this contract.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

138 Traceability to raw material of all products, components, and processes are inclusive in this purchase order. Seller shall provide ID, such as lot numbers and/or date-codes and maintain traceability information needed to trace material, process and product back to components, raw materials and stock. These records must show compliance to all purchase order, BOM, drawing, and specification requirements.

139 Rework/Repair/Use-As-Is–Rework and touch-up may be permitted as long as it meets the drawing requirement. However, supplier shall not perform any Repair/UIA on product without written pre-authorization recorded on Supplier Request for Material Review (SRMR) form 106-3 provided by purchasing. Supplier shall request SRMR from purchasing, fill out and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR form is invoked. (See Quality Clause # 131 - SRMR)

144 Counterfeit Parts - The supplier shall maintain a Material Authenticity program that aligns and is consistent with the intent of AS5553 Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition.

145 Subcontracting. Subcontracting all or part of the work procured on this PO without written approval of L-3 MariPro is prohibited. All APPROVED subcontracted operations must meet all provisions of the PO and be certified by the subcontractor.

146 Material or Process Substitutions. All purchased materials and services are subject to inspection for compliance to this purchase order and all applicable quality clauses. No material or process substitutions, quantity variations or splits from the purchase order may be made without prior written authorization from L-3 MariPro. This clause or provision applies to this supplier and contract and to any of the supplier's sub-tier contractors under this procurement.
158  Welded Parts

105  First Article Requirements. The first article(s) provided shall be identified as “FIRST ARTICLE, IMMEDIATE INSPECTION REQUIRED” and submitted to Quality Assurance for review and approval prior to production. Compliance with requirements will be determined by inspection/test to applicable drawings and specifications. IF a first article was previously provided and accepted, this clause is waived. A NEW FA shall be required when there is a change in: design, process, tooling, materials or has not been produced within two years.

113  Special Process Certificates of Conformance. Special processes such as welding, chromate, anodize, heat treat, electroplating, non-destructive testing, etc., shall be performed by certified sources and personnel. The supplier shall maintain processor’s certificates on file.

115  Sampling Requirements. Inspection shall be performed in accordance with ANSI/ASQC Z1.4, General Inspection Level II, and Acceptable Quality Level 1.5. INSPECTION DATA MUST ACCOMPANY EACH SHIPMENT AND BE TRACEABLE TO EACH PART INSPECTED.

117  Chemical/Physical Requirements. Actual results of Chemical/Physical tests conducted on materials submitted must be provided. Reports shall identify material specification and revision, tests conducted and results, and material lot or heat number utilized. Metals incorporated and delivered under this contract are preferred to be milled, produced or melted/smelted in compliance with DFARS 252.225-7008. Metals that are not in compliant with DFARS 252.225-7008 are required to be accompanied by the actual results of appropriate ASTM standard testing for Chemical/Physical tests conducted on the material by a domestic, recognized materials testing facility. These requirements shall apply to Seller and shall be flowed to all Sellers’ sub-tiers who provide metals pursuant to this contract.

121  Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

131  Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR form is invoked.

139  Rework/Repair/Use-As-Is–Rework and touch-up may be permitted as long as it meets the drawing requirement. However, supplier shall not perform any Repair/UAI on product without written pre-authorization recorded on Supplier Request for Material Review (SRMR) form 106-3 provided by purchasing. Supplier shall request SRMR from purchasing, fill out and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR form is invoked. (See Quality Clause # 131 - SRMR)

146  Material or Process Substitutions. All purchased materials and services are subject to inspection for compliance to this purchase order and all applicable quality clauses. No material or process substitutions, quantity variations or splits from the purchase order may be made without prior written authorization from L-3 MariPro. This clause or provision applies to this supplier and contract and to any of the supplier's sub-tier contractors under this procurement.
159 Titanium Fasteners (Screws, Bolts, Washers, and Nuts)
117 Chemical/Physical Requirements. Actual results of Chemical/Physical tests conducted on materials submitted must be provided. Reports shall identify material specification and revision, tests conducted and results, and material lot or heat number utilized. Metals incorporated and delivered under this contract are preferred to be milled, produced or melted/smelted in compliance with DFARS 252.225-7008. Metals that are not in compliant with DFARS 252.225-7008 are required to be accompanied by the actual results of appropriate ASTM standard testing for Chemical/Physical tests conducted on the material by a domestic, recognized materials testing facility. These requirements shall apply to Seller and shall be flowed to all Sellers’ sub-tiers who provide metals pursuant to this contract.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

160 Molded Rubber Parts (Boots, Seals, etc.) Commercial
109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.
114 Lot Traceability Requirements. Date Code/Lot Code Requirements. Parts shall be identified with Date Code and/or Lot Code. The identification shall be traceable to the date of manufacture and the manufacture of part.
121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

161 Molded Rubber Parts (Boots, Seals, etc.) ADD 160. IAW Buyer’s Drawing/Part Number.
101 The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)
105 First Article Requirements. The first article(s) provided shall be identified as “FIRST ARTICLE, IMMEDIATE INSPECTION REQUIRED” and submitted to Quality Assurance for review and approval prior to production. Compliance with requirements will be determined by inspection/test to applicable drawings and specifications. IF a first article was previously provided and accepted, this clause is waived.
Quality Clauses

A NEW FA shall be required when there is a change in: design, process, tooling, materials or has not been produced within two years.

109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

113 Special Process Certificates of Conformance. Special processes such as welding, chromate, anodize, heat treat, electroplating, non-destructive testing, etc., shall be performed by certified sources and personnel. The supplier shall maintain processor’s certificates on file.

116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.

118 X-Ray Inspection Requirements. X-rays and their protective envelopes shall be labeled with Purchase Order number, item part number(s), applicable serial number(s), and orientation/view angle (i.e., Top, Side, and End views and/or 0 deg., 90 deg.). Parts shall be X-rayed in at least two orientations to determine the approximate size and location of defects, if any. Parts may be identified using permanent ink (i.e., Black or Blue Sharpie) and shall be traceable to inspection data and X-ray. The test lab shall visually inspect Parts and X-rays for surface contaminants and cleaned using water and a lint free cloth, as necessary. Rejected parts not meeting appropriate acceptance criteria shall be segregated and identified.

114 Lot Traceability Requirements. Date Code/Lot Code Requirements. Parts shall be identified with Date Code and/or Lot Code. The identification shall be traceable to the date of manufacture and the manufacture of part.

119 Serial Numbers. When required by Purchase Order items will be identified with unique serial numbers.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

128 SULFUR Contamination. Steps shall be taken in the mixing, storage and processing of this material to preclude contamination with sulfur.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

162 Plating, Anodizing, Hardening, Iridite, etc.

113 Special Process Certificates of Conformance. Special processes such as welding, chromate, anodize, heat treat, electroplating, non-destructive testing, etc., shall be performed by certified sources and personnel. The supplier shall maintain processor’s certificates on file.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to
mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

163 Environmental Testing
101 The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)
102 Calibration Requirements. All measuring equipment and/or test instruments shall be calibrated in accordance with ANSI/NCSL Z540-1, ISO 10012-1, or ISO/IEC 17025. Calibration reports with status labels on equipment are required.
116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.
121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

164 Test Equipment Calibration
102 Calibration Requirements. All measuring equipment and/or test instruments shall be calibrated in accordance with ANSI/NCSL Z540-1, ISO 10012-1, or ISO/IEC 17025. Calibration reports with status labels on equipment are required.
116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.
121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

165 O-rings and Back-up rings. O-rings and Back-up rings shall be in compliance with ISO 3601-3 Grade S and ISO 3601-4 Grade N
Manufacture: Procurement of O-rings shall be from a Parker O-ring distributor as manufactured by the Parker Hannifin Corporation. Please include: Batch #, Cure date, Hardness, Tensile, Elong, S.G., Modulus, and Age Control Requirements. Provide certification, which identifies the following: O-ring seals shall be delivered to MariPro within the following durations from the Elastomer cure date, for the particular elastomeric compounds:

- Nitrile (Buna N): 4 years upon arrival. Shelf life 10 years from cure date.
- Butyl/Ethylene Propylene/Silicone/Fluorocarbon (Viton): 6 years upon arrival. Shelf life 15 years from cure date.
Quality Clauses

109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

114 Lot Traceability Requirements. Date Code/Lot Code Requirements. Parts shall be identified with Date Code and/or Lot Code. The identification shall be traceable to the date of manufacture and the manufacture of part.

126 Packaging for Shipment of O-rings and Back-up Rings. Bulk Packaging is acceptable.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

166 Cable, Underwater (Coaxial and Fiber Optic)

101 The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)

106 Source Inspection Requirements. Buyer has the right to perform inspection or test of products/services at the supplier’s facility prior to each shipment. When bid is awarded, Buyer’s Quality Assurance must be notified to arrange for source inspection or waiver, if applicable. Successful completion of source inspection or waiver authorizes shipment of items. Source inspection does not constitute final acceptance, which will occur at Buyer’s designated facility.

109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

146 Material or Process Substitutions. All purchased materials and services are subject to inspection for compliance to this purchase order and all applicable quality clauses. No material or process substitutions, quantity variations or splits from the purchase order may be made without prior written authorization from L-3 MariPro. This clause or provision applies to this supplier and contract and to any of the supplier's sub-tier contractors under this procurement.

127 Packaging Underwater Range Cables. Cable Delivered on Reels. Cables weighing more than 8,000 pounds must be on steel reels. Cable reel marking shall be waterproof, securely fastened to the reel and include: Manufacturer Name, Reel Identification number, Reel Gross Weight, Cable Identification Number(s), and actual Cable length(s). The bottom end and both ends of any intermediate layer of each cable shall have a minimum of 2 meters available to pull out of the reel for testing. The cable shall be identified on each end with a waterproof factory cable identification number, traceable to data package.
Cable Delivered in Containers. Cable(s) shall be panned in an appropriately sized container so that the minimum bend radius of the cable is not violated and is cribbed with welded steel cribbing so that the cable cannot shift during shipment. The bottom end and both ends of any intermediate layer of each cable shall have a minimum of 30 meters of cable available to pull out of the container for testing. The cable shall be identified on each end with a waterproof factory cable identification number, traceable to data package.

Cable Delivered in Pans. Cable(s) shall be panned in steel pans. The pans for truck shipment shall be a maximum of 144 inches wide. The bottom end and both ends of any intermediate layer of each cable shall have a minimum of 30 meters of cable available to pull out of the pan for testing. The cable shall be identified on each end with a waterproof factory cable identification number, traceable to data package.

167 Piezoelectric Acoustic Segments. (used in hydrophones, transducers and projectors)

101 The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)

105 First Article Requirements. The first article(s) provided shall be identified as “FIRST ARTICLE, IMMEDIATE INSPECTION REQUIRED” and submitted to Quality Assurance for review and approval prior to production. Compliance with requirements will be determined by inspection/test to applicable drawings and specifications. IF a first article was previously provided and accepted, this clause is waived. A NEW FA shall be required when there is a change in: design, process, tooling, materials or has not been produced within two years.

106 Source Inspection Requirements. Buyer has the right to perform inspection or test of products/services at the supplier’s facility prior to each shipment. When bid is awarded, Buyer’s Quality Assurance must be notified to arrange for source inspection or waiver, if applicable. Successful completion of source inspection or waiver authorizes shipment of items. Source inspection does not constitute final acceptance, which will occur at Buyer’s designated facility.

109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

115 Sampling Requirements. Inspection shall be performed in accordance with ANSI/ASQC Z1.4, General Inspection Level II, and Acceptable Quality Level 1.5. INSPECTION DATA MUST ACCOMPANY EACH SHIPMENT AND BE TRACEABLE TO EACH PART INSPECTED.

116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.

119 Serial Numbers. When required by Purchase Order items will be identified with unique serial numbers.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

146 Material or Process Substitutions. All purchased materials and services are subject to inspection for compliance to this purchase order and all applicable quality clauses. No material or process substitutions, quantity variations or splits from the purchase order may be made without prior written
Quality Clauses

authorization from L-3 MariPro. This clause or provision applies to this supplier and contract and to any of the supplier's sub-tier contractors under this procurement.

168 Hydrophones, Transducers and Projectors
101 The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)
105 First Article Requirements. The first article(s) provided shall be identified as “FIRST ARTICLE, IMMEDIATE INSPECTION REQUIRED” and submitted to Quality Assurance for review and approval prior to production. Compliance with requirements will be determined by inspection/test to applicable drawings and specifications. If a first article was previously provided and accepted, this clause is waived. A NEW FA shall be required when there is a change in: design, process, tooling, materials or has not been produced within two years.
106 Source Inspection Requirements. Buyer has the right to perform inspection or test of products/services at the supplier’s facility prior to each shipment. When bid is awarded, Buyer’s Quality Assurance must be notified to arrange for source inspection or waiver, if applicable. Successful completion of source inspection or waiver authorizes shipment of items. Source inspection does not constitute final acceptance, which will occur at Buyer’s designated facility.
115 Sampling Requirements. Inspection shall be performed in accordance with ANSI/ASQC Z1.4, General Inspection Level II, and Acceptable Quality Level 1.5. INSPECTION DATA MUST ACCOMPANY EACH SHIPMENT AND BE TRACEABLE TO EACH PART INSPECTED.
116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.
119 Serial Numbers. When required by Purchase Order items will be identified with unique serial numbers.
128 SULFUR Contamination. Steps shall be taken in the mixing, storage and processing of this material to preclude contamination with sulfur.
121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.
131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.
138 Traceability to raw material of all products, components, and processes are inclusive in this purchase order. Seller shall provide ID, such as lot numbers and/or date-codes and maintain traceability information needed to trace material, process and product back to components, raw materials and stock. These records must show compliance to all purchase order, BOM, drawing, and specification requirements.
146 Material or Process Substitutions. All purchased materials and services are subject to inspection for compliance to this purchase order and all applicable quality clauses. No material or process substitutions, quantity variations or splits from the purchase order may be made without prior written
authorization from L-3 MariPro. This clause or provision applies to this supplier and contract and to any of the supplier's sub-tier contractors under this procurement.

169 Acoustic Calibration (NUWC, Seneca Lake, etc.)
102 Calibration Requirements. All measuring equipment and/or test instruments shall be calibrated in accordance with ANSI/NCSL Z540-1, ISO 10012-1, or ISO/IEC 17025. Calibration reports with status labels on equipment are required.
104 ESD Requirements. The supplier shall maintain an ESD Management System that complies with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. All electrostatic sensitive devices shall be packaged, marked and handled in compliance with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. Any ESD violation to electrostatic sensitive devices will be cause for rejection.
106 Source Inspection Requirements. Buyer has the right to perform inspection or test of products/services at the supplier’s facility prior to each shipment. When bid is awarded, Buyer’s Quality Assurance must be notified to arrange for source inspection or waiver, if applicable. Successful completion of source inspection or waiver authorizes shipment of items. Source inspection does not constitute final acceptance, which will occur at Buyer’s designated facility.
116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.
121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.
131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

170 Feedthru IAW Buyer’s Drawing/Part Number
101 The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)
113 Special Process Certificates of Conformance. Special processes such as welding, chromate, anodize, heat treat, electroplating, non-destructive testing, etc., shall be performed by certified sources and personnel. The supplier shall maintain processor’s certificates on file.
117 Chemical/Physical Requirements. Actual results of Chemical/Physical tests conducted on materials submitted must be provided. Reports shall identify material specification and revision, tests conducted and results, and material lot or heat number utilized. Metals incorporated and delivered under this contract are preferred to be milled, produced or melted/smelted in compliance with DFARS 252.225-7008. Metals that are not in compliant with DFARS 252.225-7008 are required to be accompanied by the actual results of appropriate ASTM standard testing for Chemical/Physical tests conducted on the material by a domestic, recognized materials testing facility. These requirements shall apply to Seller and shall be flowed to all Sellers’ sub-tiers who provide metals pursuant to this contract.
Quality Clauses

118 X-Ray Inspection Requirements. Parts shall be X-rayed in at least two orientations to determine the approximate size and location of defects, if any. Parts may be identified using permanent ink (i.e., Black or Blue Sharpie) and shall be traceable to inspection data and X-ray. X-rays and their protective envelopes shall be labeled with Purchase Order number, item part number(s), applicable serial number(s), and orientation/view angle (i.e., Top, Side, and End views and/or 0 deg., 90 deg.).

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

171 Titanium Spheres or Housing Blanks
101 The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)
113 Special Process Certificates of Conformance. Special processes such as welding, chromate, anodize, heat treat, electroplating, non-destructive testing, etc., shall be performed by certified sources and personnel. The supplier shall maintain processor’s certificates on file.
115 Sampling Requirements. Inspection shall be performed in accordance with ANSI/ASQC Z1.4, General Inspection Level II, and Acceptable Quality Level 1.5. INSPECTION DATA MUST ACCOMPANY EACH SHIPMENT AND BE TRACEABLE TO EACH PART INSPECTED.
116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.
117 Chemical/Physical Requirements. Actual results of Chemical/Physical tests conducted on materials submitted must be provided. Reports shall identify material specification and revision, tests conducted and results, and material lot or heat number utilized. Metals incorporated and delivered under this contract are preferred to be milled, produced or melted/smelted in compliance with DFARS 252.225-7008. Metals that are not in compliant with DFARS 252.225-7008 are required to be accompanied by the actual results of appropriate ASTM standard testing for Chemical/Physical tests conducted on the material by a domestic, recognized materials testing facility. These requirements shall apply to Seller and shall be flowed to all Sellers’ sub-tiers who provide metals pursuant to this contract.
121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.
Quality Clauses

172 Syntactic Foam Parts IAW Buyer’s Drawing/SCD/SP/Part Number

101 The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)

105 First Article Requirements. The first article(s) provided shall be identified as “FIRST ARTICLE, IMMEDIATE INSPECTION REQUIRED” and submitted to Quality Assurance for review and approval prior to production. Compliance with requirements will be determined by inspection/test to applicable drawings and specifications. If a first article was previously provided and accepted, this clause is waived. A NEW FA shall be required when there is a change in: design, process, tooling, materials or has not been produced within two years.

106 Source Inspection Requirements. Buyer has the right to perform inspection or test of products/services at the supplier’s facility prior to each shipment. When bid is awarded, Buyer’s Quality Assurance must be notified to arrange for source inspection or waiver, if applicable. Successful completion of source inspection or waiver authorizes shipment of items. Source inspection does not constitute final acceptance, which will occur at Buyer’s designated facility.

113 Special Process Certificates of Conformance. Special processes such as welding, chromate, anodize, heat treat, electroplating, non-destructive testing, etc., shall be performed by certified sources and personnel. The supplier shall maintain processor’s certificates on file.

116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.

117 Chemical/Physical Requirements. Actual results of Chemical/Physical tests conducted on materials submitted must be provided. Reports shall identify material specification and revision, tests conducted and results, and material lot or heat number utilized. Metals incorporated and delivered under this contract are preferred to be milled, produced or melted/smelted in compliance with DFARS 252.225-7008. Metals that are not in compliant with DFARS 252.225-7008 are required to be accompanied by the actual results of appropriate ASTM standard testing for Chemical/Physical tests conducted on the material by a domestic, recognized materials testing facility. These requirements shall apply to Seller and shall be flowed to all Sellers’ sub-tiers who provide metals pursuant to this contract.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

146 Material or Process Substitutions. All purchased materials and services are subject to inspection for compliance to this purchase order and all applicable quality clauses. No material or process substitutions, quantity variations or splits from the purchase order may be made without prior written authorization from L-3 MariPro. This clause or provision applies to this supplier and contract and to any of the supplier's sub-tier contractors under this procurement.

148 100% Inspection of each float shall be performed at supplier and traceable to inspection data.
Quality Clauses

173 Chemicals (hazardous, non-hazardous, and shelf-life limited)
109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.
111 Age Sensitive Material with Shelf-life Requirements. Provide certification, which identifies the material’s cure date or date of manufacture, expiration date, and special storage and/or handling requirements. Material shall have as a minimum 75% of its shelf life remaining upon receipt at Buyer’s facility.
112 Material Safety Data Sheets (MSDS) Requirements. Provide MSDS for all chemicals classified as Hazardous Materials.
114 Lot Traceability Requirements. Date Code/Lot Code Requirements. Parts shall be identified with Date Code and/or Lot Code. The identification shall be traceable to the date of manufacture and the manufacture of part.
121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

174 Radiographic Inspection (i.e. X-Ray)
118 X-Ray Inspection Requirements. Parts shall be X-rayed in at least two orientations to determine the approximate size and location of defects, if any. Parts may be identified using permanent ink (i.e., Black or Blue Sharpie) and shall be traceable to inspection data and X-ray. X-rays and their protective envelopes shall be labeled with Purchase Order number, item part number(s), applicable serial number(s), and orientation/view angle (i.e., Top, Side, and End views and/or 0 deg., 90 deg.).
119 Serial Numbers. When required by Purchase Order items will be identified with unique serial numbers.
121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

175 Power Supplies Commercial
116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.
121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order
number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

176 Optical Couplers/Splitters

109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.

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121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

178 Sil Pads

109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specification) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

115 Sampling Requirements. Inspection shall be performed in accordance with ANSI/ASQC Z1.4, General Inspection Level II, and Acceptable Quality Level 1.5. INSPECTION DATA MUST ACCOMPANY EACH SHIPMENT AND BE TRACEABLE TO EACH PART INSPECTED.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

130 Cleanliness Requirements. These parts are critical. To provide the necessary characteristics for which they were designed, parts must be delivered clean, in excellent condition and without foreign debris imbedded in or on the surface.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall
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request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

179 Thermal/Vacuum Forms
105 First Article Requirements. The first article(s) provided shall be identified as “FIRST ARTICLE, IMMEDIATE INSPECTION REQUIRED” and submitted to Quality Assurance for review and approval prior to production. Compliance with requirements will be determined by inspection/test to applicable drawings and specifications. IF a first article was previously provided and accepted, this clause is waived. A NEW FA shall be required when there is a change in: design, process, tooling, materials or has not been produced within two years.

109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specification) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

117 Chemical/Physical Requirements. Actual results of Chemical/Physical tests conducted on materials submitted must be provided. Reports shall identify material specification and revision, tests conducted and results, and material lot or heat number utilized. Metals incorporated and delivered under this contract are preferred to be milled, produced or melted/smelted in compliance with DFARS 252.225-7008. Metals that are not in compliant with DFARS 252.225-7008 are required to be accompanied by the actual results of appropriate ASTM standard testing for Chemical/Physical tests conducted on the material by a domestic, recognized materials testing facility. These requirements shall apply to Seller and shall be flowed to all Sellers’ sub-tiers who provide metals pursuant to this contract.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

180 Titanium Welded IAW AWS D1.9/D1.9M:2007
105 First Article Requirements. The first article(s) provided shall be identified as “FIRST ARTICLE, IMMEDIATE INSPECTION REQUIRED” and submitted to Quality Assurance for review and approval prior to production. Compliance with requirements will be determined by inspection/test to applicable drawings and specifications. IF a first article was previously provided and accepted, this clause is waived. A NEW FA shall be required when there is a change in: design, process, tooling, materials or has not been produced within two years.

117 Chemical/Physical Requirements. Actual results of Chemical/Physical tests conducted on materials submitted must be provided. Reports shall identify material specification and revision, tests conducted and results, and material lot or heat number utilized. Metals incorporated and delivered under this contract are preferred to be milled, produced or melted/smelted in compliance with DFARS 252.225-7008. Metals that are not in compliant with DFARS 252.225-7008 are required to be accompanied by the actual results of appropriate ASTM standard testing for Chemical/Physical tests conducted on the material by a domestic, recognized materials testing facility. These requirements shall apply to Seller and shall be flowed to all Sellers’ sub-tiers who provide metals pursuant to this contract.
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each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

   • Procedure Qualification Record (PQR) and Quality Control Qualifications. Contractor shall send with each shipment of a welded part, copies of the welder’s PQR and the inspector’s Quality Control Qualifications.
   • Contractor’s WPS’s shall be formally reviewed and approved by MariPro Engineering prior to production assembly.
   • Inspection reports included with each shipment of a welded part shall be an as-built data package traceable to each welded part containing WPS, inspection reports and testing data (non-destructive per contract).
   • Sect. 5.6.3 – Replacement of damaged base material. Contractor shall not remove or replace damaged base material per section 5.6.3 without MariPro approval of a Supplier Request for Material Review. (See Quality Clause # 131 - SRMR).

139 Rework/Repair/Use-As-Is–Rework and touch-up may be permitted as long as it meets the drawing requirement. However, supplier shall not perform any Repair/UAI on product without written pre-authorization recorded on Supplier Request for Material Review (SRMR) form 106-3 provided by purchasing. Supplier shall request SRMR from purchasing, fill out and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR form is invoked. (See Quality Clause # 131 - SRMR)

182 Turnkey CCAs
101 The supplier’s Quality Management System, at a minimum, shall address the following ISO 9001 requirements: (insert link)

103 Soldering Requirements. All soldering operations, including inspection, shall be performed in accordance with IPC-J-STD-001 Class 3 or ANSI/IPC-A-610, CLASS 3.

104 ESD Requirements. The supplier shall maintain an ESD Management System that complies with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. All electrostatic sensitive devices shall be packaged, marked and handled in compliance with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. Any ESD violation to electrostatic sensitive devices will be cause for rejection.

105 First Article Requirements. The first article(s) provided shall be identified as “FIRST ARTICLE, IMMEDIATE INSPECTION REQUIRED” and submitted to Quality Assurance for review and approval prior to production. Compliance with requirements will be determined by inspection/test to applicable drawings and specifications. IF a first article was previously provided and accepted, this clause is waived. A NEW FA shall be required when there is a change in: design, process, tooling, materials or has not been produced within two years.

106 Source Inspection Requirements. Buyer has the right to perform inspection or test of products/services at the supplier’s facility prior to each shipment. When bid is awarded, Buyer’s Quality Assurance must be notified to arrange for source inspection or waiver, if applicable. Successful completion of source inspection or waiver authorizes shipment of items. Source inspection does not constitute final acceptance, which will occur at Buyer’s designated facility.
109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

110 Certification of Conformance (C of C) Printed Wiring Boards. C of C IAW IPC-6012-CLASS 3 (Qualification and Performance Specification for Rigid Printed Boards) and IPC-TM-650 Test Methods are required with each shipment. Acceptability shall be IAW IPC-A-600 Class 3. Particular attention must be paid to Intra-Layer Registration, Through-hole Plating Thickness, Bow and Twist. Provide copy of serial number log with test data. Coupons and micro sections need not be sent as long as they are available at vendor's site.

114 Lot Traceability Requirements. Date Code/Lot Code Requirements. Parts shall be identified with Date Code and/or Lot Code. The identification shall be traceable to the date of manufacture and the manufacture of part.

116 Test Data Requirements. Test data must accompany each shipment and must be in accordance with supplier’s standard test practices and/or drawing or as specified by Buyer on supplied Drawing, Specification, Contract or other instrument of communication.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

131 Segregation / Identification. Supplier shall provide segregation and identification of non-conforming material detected at Supplier facilities. Decisions to accept non-conformances shall be made by L-3 MariPro using the Supplier Request for Material Review (SRMR) form 106-3. Supplier shall request SRMR from purchasing and complete and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR is invoked.

138 Traceability to raw material of all products, components, and processes are inclusive in this purchase order. Seller shall provide ID, such as lot numbers and/or date-codes and maintain traceability information needed to trace material, process and product back to components, raw materials and stock. These records must show compliance to all purchase order, BOM, drawing, and specification requirements.

139 Rework/Repair/Use-As-Is–Rework and touch-up may be permitted as long as it meets the drawing requirement. However, supplier shall not perform any Repair/UAI on product without written pre-authorization recorded on Supplier Request for Material Review (SRMR) form 106-3 provided by purchasing. Supplier shall request SRMR from purchasing, fill out and return back to purchasing for authorization to proceed. SRMR must accompany delivery of product. All supplier communication is through L-3 MariPro purchasing when the SRMR form is invoked. (See Quality Clause # 131 - SRMR)

140 The Supplier shall be responsible for controlling / tracking changes to parts and components manufactured to ensure that the end product meets specified functional and physical requirements of this Purchase Order. This includes any part or component manufactured to customers’ or vendors’ drawings, specifications, or special process procedures. At a minimum, with each shipment, the Supplier shall submit “configuration documents,” which define the requirements, designs, build / production, and verification for a configuration controlled item. This record shall be signed and dated by an official of the Supplier’s quality assurance department, and, in addition to the aforementioned required information, shall include the following minimum requirements:

- Contract / Purchase Order number and line item number, if applicable
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- Part number of deliverable item and all traceable sub-tiered parts
- Serial number, as contractually required
- Lot number, as contractually required
- Drawing number for drawings related to deliverable item(s) and all traceable sub-tiered parts
- Revision level (baseline configuration of drawing to which hardware was built)
- Engineering order(s) or equivalent drawing changes as applicable
- Supplier Request for Material Review (SRMR), form 106-3 as applicable

141 Records – Traceability, processing, inspection, test and all Quality Records shall be retained by Seller for a period of not less than 20 years beyond fulfillment of the Purchase Order, and shall be made available to L-3 MariPro, L-3 MariPro-authorized representatives or authorized regulatory agencies for review, upon request and with reasonable notice. L-3 MariPro has the right to acquire or inspect data on-site at every tier. Upon acceptance of any L-3 MariPro purchase order, Seller agrees to notify L-3 MariPro in writing 30 days prior to destruction of any records that directly impact L-3 MariPro purchases.

144 Counterfeit Parts - The supplier shall maintain a Material Authenticity program that aligns and is consistent with the intent of AS5553 Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition.

146 Material or Process Substitutions. All purchased materials and services are subject to inspection for compliance to this purchase order and all applicable quality clauses. No material or process substitutions, quantity variations or splits from the purchase order may be made without prior written authorization from L-3 MariPro. This clause or provision applies to this supplier and contract and to any of the supplier's sub-tier contractors under this procurement.

184 Deliverable Fasteners

109 Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

114 Lot Traceability Requirements. Date Code/Lot Code Requirements. Parts shall be identified with Date Code and/or Lot Code. The identification shall be traceable to the date of manufacture and the manufacture of part.

121 Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.

144 Counterfeit Parts - The supplier shall maintain a Material Authenticity program that aligns and is consistent with the intent of AS5553 Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition.

185 Cable Assemblies (with electronic components, terminated wires, crimps, circuit boards and connectors)

** FOR CRIMPED ASSEMBLIES - Bag and tag 10% of total PO LI deliverable products marked as “SPECIMEN”, with Purchase Order and Lot Number. Crimped assemblies include, but are not limited to contact pins, terminal lugs, connectors, and pigtails.

101 The supplier shall maintain a Quality Management System that complies with ISO 9001 or an inspection system equivalent to MIL-I-45208 (obsolete).
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104  ESD Requirements. The supplier shall maintain an ESD Management System that complies with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. All electrostatic sensitive devices shall be packaged, marked and handled in compliance with ANSI/ESD S20.20, IPC-A-610 latest revision or equivalent. Any ESD violation to electrostatic sensitive devices will be cause for rejection.

105  First Article Requirements. The first article(s) provided shall be identified as “FIRST ARTICLE, IMMEDIATE INSPECTION REQUIRED” and submitted to Quality Assurance for review and approval prior to production. Compliance with requirements will be determined by inspection/test to applicable drawings and specifications. If a first article was previously provided and accepted, this clause is waived. A NEW FA shall be required when there is a change in: design, process, tooling, materials or has not been produced within two years.

106  Source Inspection Requirements. Buyer has the right to perform inspection or test of products/services at the supplier’s facility prior to each shipment. When bid is awarded, Buyer’s Quality Assurance must be notified to arrange for source inspection or waiver, if applicable. Successful completion of source inspection or waiver authorizes shipment of items. Source inspection does not constitute final acceptance, which will occur at Buyer’s designated facility.

109  Certificate of Conformance (C of C) Requirements. The C of C shall attest that all requirements of the Purchase Order (including all referenced documents, drawings, and specifications) have been complied with. The statement shall identify the Buyer’s Purchase Order, the part number and revisions, serial numbers, lot numbers, and/or date codes, if applicable.

114  Date Code/Lot Code Requirements. Parts shall be identified with Date Code and/or Lot Code. The identification shall be traceable to the date of manufacture and the manufacture of part.

121  Packaging for Shipment - Unless otherwise specified by drawing or part specification requirements, all items require protection from physical, environmental, and mechanical damage. Protection shall be by wrapping, cushioning, part compartmentalization, packing, or other means to mitigate shock and vibration during handling and shipment. Part surfaces must be protected. In addition, each package shall be clearly and legibly marked with at least the Buyer’s Purchase Order number and Item number. Standard practice for commercial packaging, ASTM D3951, is strongly recommended.