



Quality Assurance Clauses/Terms of Purchase

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QC Code	Title	Description
<input checked="" type="checkbox"/> Terms	General Terms of Purchase	Acceptance of this order is expressly limited to the terms hereof. In the event of inconsistency between the terms of this order and any seller acknowledgement thereof, the terms of this Purchase Order will govern. Upon acceptance of this order, Seller warrants and represents that it has and will continue during the performance hereunder to comply with all relevant provisions of Federal, State, and local laws and regulations.
<input checked="" type="checkbox"/> Standard Clause SC01	Quality System	The seller shall maintain a Quality Management System that is registered to or compliant with AS9100, ISO9001, or Mil-I-45208A, and shall be able to provide certification from an accredited registrar, evidence of approval as QML/QPL, or evidence of a customer or third party approval.
<input checked="" type="checkbox"/> Standard Clause SC02	Right of Access	The government/customer has the right to inspect any or all the work included in this order at the Supplier's plant. Seller shall provide or obtain for Buyer, Buyer's customers and regulatory agency personnel, access to any and all facilities where work is being performed or is scheduled to be performed, including those facilities of Seller's subcontractors, in order to perform item inspections, surveys or system/process surveillance as part of verification of conformance to the requirements of this PO.
<input checked="" type="checkbox"/> Standard Clause SC03	C of C	Seller shall provide a signed Certification of Conformance with each shipment to attest that the parts, assemblies, subassemblies, or detail parts conform to order requirements. Certification must contain the PO number, part number, specification, quantity, name and address of manufacturing location (and cage code), lot/date code/serial number, signature of company official, and date.
<input checked="" type="checkbox"/> Standard Clause SC04	Traceability	Traceability to manufacturing via a lot number and/or date code is required. The Seller shall submit the material lot #/ date code/ serial # of all parts supplied.
<input checked="" type="checkbox"/> Standard Clause SC05	Counterfeit Parts	Only new and authentic materials are to be used in products delivered to JRH. No counterfeit or suspect counterfeit parts are to be contained within the delivered product. Seller shall maintain a Counterfeit Item Risk Mitigation process compliant with SAE AS5553, and participate in the Government-Industry Data Exchange Program (GIDEP) to alert the industry of encountered counterfeit parts. All parts supplied to JRH must be from the OCM, OEM, or their authorized/franchised distributor. The use of "third-party" distributors or "brokers" is prohibited unless written authorization is provided by JRH. Seller shall flow down to, and ensure compliance with the requirements of this clause by lower tier suppliers providing items incorporated into products delivered to JRH. Seller shall immediately notify JRH if Seller becomes aware or suspects that it has furnished counterfeit material, and at its expense, promptly replace such counterfeit parts with authentic material conforming to the requirements of this Contract.
<input checked="" type="checkbox"/> Standard Clause SC06	Packaging	Preservation, packaging and packing of all deliverable goods shall be in accordance with the latest revision of ASTM D3951, "Standards for Commercial Packaging," unless otherwise specified in this order.
<input checked="" type="checkbox"/> Standard Clause SC07	ITAR (International Traffic in	Seller shall control the disclosure of and access to technical data received under this Purchase Order in accordance with U.S. export control laws and regulations. Seller agrees that no technical data or information provided by the Buyer in connection with this Purchase Order shall be



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		Arms Regulations)	provided to any foreign persons or to a foreign entity, including a foreign subsidiary of seller, without obtaining the appropriate export licensing from the US State Department.
<input checked="" type="checkbox"/>	Standard Clause SC08	DPAS Rating	<p>If the box below is checked, this order is rated for National Defense, you are required to follow the provisions of the DPAS regulation (15-CFR350).</p> <p><input type="checkbox"/> This order is DPAS Rated.</p> <p>DPAS RATING: <input type="text"/> CONTRACT # <input type="text"/></p>
<input checked="" type="checkbox"/>	Standard Clause SC09	Record Retention (7)	Supplier is to maintain complete traceability of the item(s) delivered under this order to the point of manufacture. Evidence of such traceability shall be retained for a minimum of 7 years after delivery and must be provided to JRH upon request. If the supplier ceases operations or is unable for any reason to maintain records for the required period, JRH buyer shall be notified so that an alternative means of record retention can be arranged by JRH. Under no circumstances shall records be destroyed prior to their required retention period.
<input checked="" type="checkbox"/>	Standard Clause SC10	JRH Acceptance at Destination	Articles ordered in this contract are subject to final acceptance at destination.
<input checked="" type="checkbox"/>	Standard Clause SC11	International Sourcing Requirements	<p>Seller must certify that, to the best of their knowledge and belief, all shipments made under their contracts with JRH are in full compliance with the below listed DFARS clauses to the extent they are applicable. Seller also certifies that they have processes and procedures in place to sustain this compliance, including processes that ensure flow-down of these clauses to sub-tiers, as applicable.</p> <ul style="list-style-type: none"> • 252.225-7007 – Prohibition on Acquisition of United States Munitions List Items From Communist Chinese Military Companies • 252.225-7009 – Restriction on Acquisition of Certain Articles Containing Specialty Metals • 252.204-7008 – Requirements for Contracts Involving Export-Controlled Items • 252.225-7001 – Buy American and Balance of Payments Program • 252.225-7006 – Quarterly Reporting of Actual Contract Performance Outside the United States • 252.225-7013 – Duty Free Entry • 252.225-7016 – Restriction on Acquisition of Ball and Roller Bearings • 252.225-7021 – Trade Agreements • 252.225-7033 – Waiver of United Kingdom Levies
<input checked="" type="checkbox"/>	Standard Clause SC12	DODD – FRANK COMPLIANC	On August 22, 2012, the Securities and Exchange Commission (SEC) adopted final rules implementing the “conflict minerals” disclosure requirements in Section 1502 of the Dodd-Frank Act, passed by Congress in 2010 (http://www.sec.gov/rules/final/2012/34-67716.pdf). The rules



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		E (CONFLICT MINERALS)	<p>require public companies to acknowledge if any conflict minerals are present in their products. The term "Conflict Minerals" is defined as minerals derived from ores mined in the Democratic Republic of the Congo (DRC) or adjoining countries and which directly or indirectly finance or benefit armed groups in that region. These minerals are: gold (Au), tantalum (Ta) from columbite-tantalite, tin (Sn) from cassiterite, and tungsten (W) from wolframite.</p> <p>As a supplier to SEC registered customers, JRH and its suppliers are obligated to disclose any "conflict minerals" used in the products supplied under this contract.</p> <ul style="list-style-type: none"> (a) The Seller certifies that there are no "Conflict Minerals" present in the product(s) being delivered to JRH, and all products are in full compliance with DODD-FRANK FINANCIAL REFORM ACT (SECTION 1502); US LAW 111-203. TITLE XV (b) The Seller has taken responsible steps to ensure that "Conflict Minerals" do not enter the supply chain (c) The Seller shall keep records of the country of origin and the name of the smelter from which all minerals were procured. Supporting documentation shall be kept on file for a minimum of seven (7) years and shall be made available to JRH or regulatory authorities upon request.
<input type="checkbox"/>	Quality Clause QC01	MFG C of C	An Original MANUFACTURER Certificate of conformance is required at the time of shipment that attests that the parts, assemblies, subassemblies, or detail parts conform to order requirements. The Manufacturer C of C must provide traceability by lot # or date code to the parts being supplied.
<input type="checkbox"/>	Quality Clause QC02	Single Lot/Date Code	The Seller shall certify that the entire order quantity delivered to JRH is from the same lot and date code. The lot # and/or date code shall be written on the C of C or packing slip.
<input type="checkbox"/>	Quality Clause QC03	Control of Material Lots	In the event that multiple lot/date codes are supplied to JRH, the different material lots shall be clearly segregated and identified. Each lot/date code shall be individually packaged and labeled with the quantity and lot/date code, and the C of C or packing slip shall individually list the different lot/date codes and the quantity of each provided. No co-mingling of different lots is permitted.
<input type="checkbox"/>	Quality Clause QC04	Date of Manufacture/ Shelf Life	All EEE parts procured from the seller or its sub tier suppliers shall have been manufactured within 5 years of the delivery date of the order. Evidence shall be the date code supplied with the parts. Parts subject to shelf life shall clearly list the DOM (date of manufacture), and shelf life or DOE (date of expiration). Seller shall further certify that such parts have 75% shelf life remaining at the time of delivery.
<input type="checkbox"/>	Quality Clause QC05	Supply Chain Traceability	In the event the Supplier is not an authorized/franchised distributor, or has not purchased material directly from the OEM/OCM, the seller shall provide the original Manufacturer Certificate of Conformance, as well as a C of C from all intermediate parties who have had possession of the material. No surplus or returned material is to be delivered to JRH under any circumstances.
<input type="checkbox"/>	Quality Clause QC06	Manned Space Flight Material	Material on this order is destined for use in manned space flight applications. Materials, manufacturing and workmanship of the highest quality standards are essential to astronaut safety. If you are able to supply the desired items with a quality which is higher than that specified, you should notify the purchaser immediately.



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<input type="checkbox"/>	Quality Clause QC07	Source Inspection	Buyer/Customer/Government Source Inspection is required prior to shipment of articles from Seller's facility. Upon receipt of this Order and prior to commencing work, promptly notify the JRH Quality Assurance Representative so the appropriate source inspection plan can be coordinated. Seller shall make available to the QA representative all applicable drawings, specifications, procedures, statements of work, related inspection and/or test equipment, and any other information that may be required to satisfactorily perform the inspections and tests required under this order.
<input type="checkbox"/>	Quality Clause QC08	Bar-Coding	All shipments must include (2) bar-code labels: One label is to be attached to the shipping container, and one label is to be attached to the packing slip. The bar-code label shall include the PO #, the part #, the quantity shipped, and the lot# or date code.
<input type="checkbox"/>	Quality Clause QC09	First Article Inspection	A First Article Inspection is required in addition to inspection requirements elsewhere in this PO. Seller shall perform a First Article Inspection (FAI) in accordance with AS9102. The FAI report must be sent to the JRH QA representative for approval prior to shipment, and a copy must accompany the shipment of material. Any changes as defined in AS9102 paragraph 5.3 or a break in production of (1) one year or more shall require a new FAI.
<input type="checkbox"/>	Quality Clause QC10	Test reports	Seller shall provide results of inspections and tests performed by the Seller in accordance with the order and specification requirements. The test data shall consist of a screening attribute summary showing actual quantities tested and quantities passing each test. A copy of the test reports shall accompany each shipment.
<input type="checkbox"/>	Quality Clause QC11	Material Certifications	Material Certifications, and Chemical and/or Physical Test Results on all raw materials that are required to satisfy specification requirements which are employed in the fabrication of articles purchased on this order shall be provided at the time of shipment as part of the data package.
<input type="checkbox"/>	Quality Clause QC12	FOD	Seller shall maintain a FOD (Foreign Object Debris/Damage) prevention program in accordance with National Aerospace Standard NAS-412: Foreign Object Damage/Foreign Object Debris (FOD) Prevention.
<input type="checkbox"/>	Quality Clause QC13	Record Retention (10)	Supplier is to maintain complete traceability of the item(s) delivered under this order to the point of manufacture. Evidence of such traceability shall be retained for a minimum of 10 years after delivery and must be provided to JRH upon request. If the supplier ceases operations or is unable for any reason to maintain records for the required period, JRH buyer shall be notified so that an alternative means of record retention can be arranged by JRH. Under no circumstances shall records be destroyed prior to their required retention period.
<input type="checkbox"/>	Quality Clause QC14	ESD	If this device is Electrostatic Discharge Sensitive (ESDS), item shall be packaged in materials that are non-charge generating on the inside surface next to the part as well as providing conductive shielding protection per MIL-STD 1686, ANSI S.20.20 or equivalent. Package shall protect against both Human Body Model (HBM) and Charged Device Model (CDM) failure modes. The protective container shall be labeled with an industry recognized ESDS cautionary statement.
<input type="checkbox"/>	Quality Clause	Certificate of Origin	A certificate of origin is required with each shipment.



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QC15		
<input type="checkbox"/> Quality Clause QC16	Pure Tin Exception	This purchase order DIS-ALLOWS the use of pure tin and requires no less than 3% lead composition in any plating, coating, cladding or soldering processes. A Certificate of Conformance stating compliance to this requirement must accompany the material.
<input type="checkbox"/> Quality Clause QC17	NAFTA Cert	NAFTA Certification of Origin: A North American Free Trade Agreement Certificate of Origin must accompany each shipment or lot of material to be delivered to JRH.
<input type="checkbox"/> Quality Clause QC18	Raytheon Q-NOTE "CC"	Raytheon Q-NOTE "CC" - Solderability Requirements. http://qnotes.raytheon.com/files/rqn_CC_6.pdf
<input type="checkbox"/> Quality Clause QC19	Lockheed Martin Appendix QX	Lockheed Martin Appendix QX applies. This can be found at the following address: http://www.lockheedmartin.com/us/aeronautics/materialmanagement/scm-quality/scm-quality_qualityappendices.html
<input type="checkbox"/> Quality Clause QC20	Lockheed Martin CTFIRST	<p>The supplier shall perform a AS9102 first article inspection for this Part Number (Item Number) <u>IF any of the following conditions occur:</u></p> <ol style="list-style-type: none"> 1) First time product is manufactured for production 2) A change in the design affecting fit, form, function and/or interchangeability of the part. 3) A change in manufacturing source(s), process(es), inspection method(s), acceptance criteria, location of manufacture, tooling or materials. 4) A change in numerical control program or translation to another media that is utilized to produce end item parts 5) A natural or man-made event, which may adversely affect the manufacturing process. 6) A lapse in production for two years, or as specified by the customer. 7) For MOTS (Modified Off-the-Shelf) items, FAI of the modified portion at a minimum is required. <p>The inspection shall include, but not be limited to a complete documented verification of all dimensions, features, notes, and referenced specifications identified in the contract. For all product changes, a delta FAI of the changes is acceptable. Additionally, the supplier shall be responsible for confirmation that all operations not performed in the supplier's facility meet applicable requirements.</p> <p>The supplier shall utilize the most current version of AS9102 for their first article inspection, utilizing AS9102 Forms 1, 2, and 3. The supplier shall submit the FAI report and copies of the supporting documentation* as evidence of conformance to this requirement with the first shipment on the purchase order as required above. When requested, the supplier shall also provide a copy of inspection performed to verify conformance of subsequent build lots/shipments.</p> <p>*Supporting documentation includes, but is not limited to certificates of conformance for raw materials, special processes (as defined in the AS9100 specification and as identified on the engineering drawing), test reports, traceability, and compliance reports.</p> <p><u>NOTE: A first article inspection report is not required for</u></p>



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			<p><u>rework/repair purchase orders or for parts or material conforming to an established industry or national authority published specification, which has all characteristics identified by text description (i.e., COTS and Mil-Spec parts).</u></p>
<input type="checkbox"/>	Quality Clause QC21	Lockheed Martin BARCODING	<p>YOU ARE REQUIRED TO PRINT AND SUPPLY TWO BARCODE LABELS BEFORE SHIPPING YOUR PRODUCT TO LOCKHEED MARTIN. ONE LABEL IS TO BE ATTACHED TO THE CONTAINER AND THE SECOND LABEL IS TO BE ATTACHED TO THE PACKING SLIP. THE BARCODE IS CREATED USING THE P2P "SHIP TO LMC" PROCESS. WHEN YOU USE THIS PROCESS AN INBOUND DELIVERY DOCUMENT NUMBER IS CREATED FIRST AND THEN A BARCODE LABEL CAN BE CREATED. CREATING THE INBOUND DELIVERY DOCUMENT IS CRITICAL TO PROCESSING THE RECEIPT.</p> <p><u>Simple Steps to Create a Barcode</u></p> <ul style="list-style-type: none"> -Highlight the PO that needs to be shipped, Click on ship to at the bottom of the screen -If inspection lots are used you will be taken to a screen to select which lot - Highlight the inspection lot being shipped click submit -At the next screen fill in the required information (identified with an *) when a special process is listed on the PO, identify which approved vendor was used to perform the special process by entering the vendors LM ID number, where requested. -Click on create the delivery; you will receive an inbound delivery # 1800#. -Then click on the create barcode button -PDF document will pop up # save or print as needed <p>AN ADDITIONAL SUPPORT GUIDE ON HOW TO IMPLEMENT THIS PROCESS IS AVAILABLE VIA THE EXOSTAR WEB SITE AT http://www.myexostar.com/myexostarAll.aspx?id=1362.</p> <p>THIS TEXT KEY DOES NOT APPLY IF THIS MATERIAL IS SHIPPED TO A LOCATION OTHER THAN A LOCKHEED MARTIN FACILITY, I.E. DROP SHIP MATERIALS; UNLESS THAT FACILITY IS PROCESSING THE RECEIPTS IN LMP2P (FOR EXAMPLE - MMC SHIPYARD) THIS TEXT KEY DOES NOT APPLY TO ORDERS PLACED WITH LOCKHEED MARTIN BUSINESSES.</p> <p>If you have any issues creating a barcode, contact Tracy Brown at tbrown@jrhelec.com (856-988-8696).</p>
<input type="checkbox"/>	Quality Clause QC22	IDENTIFICATION OF THE MANUFACTURER	<p>THE CAGE CODE OF THE MANUFACTURER OF THE PRODUCT SUPPLIED SHALL BE RECORDED ON THE PACKING LIST AND/OR ON THE SMALLEST UNIT CONTAINER AND/OR THE OUTER SHIPPING CONTAINER; THE CAGE CODE OF THE HEADQUARTERS OR MAIN PLANT FOR THE ORIGINAL EQUIPMENT MANUFACTURER/ORIGINAL COMPONENT MANUFACTURER IS ACCEPTABLE FOR COMMERCIAL PRODUCT. IF THE CAGE CODE IS NOT AVAILABLE THEN THE NAME AND ADDRESS OF THE MANUFACTURER SHALL BE PROVIDED. THE PURCHASE ORDER SUPPLIER OF RECORD IS RESPONSIBLE FOR MEETING THIS REQUIREMENT AND SHALL FLOW THIS REQUIREMENT TO ITS SOURCES OF SUPPLY.</p>
<input type="checkbox"/>	Quality Clause QC23	NO MERCURY	<p>Mercury or Mercury containing compounds shall not be intentionally added or come into direct contact with hardware or supplies furnished under this contract. The contractor agrees to immediately notify the JRH buyer in writing if functional mercury is included in any devices,</p>



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			mercury contamination is suspected, or if mercury is knowingly included in the manufacturing process.
<input type="checkbox"/>	Quality Clause QC24	SUB-TIER CONTROL for Special Processes	<p>SUB-TIER CONTROL/ MANAGEMENT REQUIREMENTS FOR SPECIAL PROCESSES-</p> <ol style="list-style-type: none"> 1. <u>THE CONTRACTOR SHALL NOTIFY JRH ELECTRONICS WHEN A SUB-TIER PERFORMS A SPECIAL PROCESS. (A SPECIAL PROCESS IS DEFINED AS WHEN A PRODUCT UNDERGOES A PHYSICAL, CHEMICAL, OR METALLURGICAL TRANSFORMATION OR INSPECTION AND CONFORMANCE TO ALL SPECIFICATION REQUIREMENTS CANNOT BE READILY VERIFIED BY NORMAL INSPECTION METHODS. EXAMPLES ARE: WELDING, BRAZING, SOLDERING, PLATING, HEAT TREATING, PAINTING, NON-DESTRUCTIVE TESTING, X-RAY, MAGNETIC PARTICLE AND DYE PENETRANT INSPECTION, ETC.)</u> 2. <u>CONTRACTORS WITH SUB-TIER SUPPLIERS PERFORMING SPECIAL PROCESSES MUST HAVE THEIR SUB-TIER SUPPLIERS APPROVED BY JRH PRIOR TO ORDER ACCEPTANCE. SUB-TIER SUPPLIERS WILL BE REQUIRED TO BE EITHER NADCAP ACCREDITED OR CUSTOMER APPROVED DEPENDING ON SPECIFIC CUSTOMER CONTRACT REQUIREMENTS. CONTACT YOUR JRH BUYER IMMEDIATELY IF YOU ARE USING A SUB-TIER SPECIAL PROCESSOR IN CONNECTION WITH THIS CONTRACT.</u> 3. CONTRACTOR'S (RECIPIENT OF PURCHASE ORDER) DOCUMENTED QUALITY SYSTEM SHALL PROVIDE FOR THE REVIEW OF THE PO TO ENSURE APPLICABLE REQUIREMENTS ARE FLOWED DOWN TO SUB-TIERS. 4. CONTRACTOR SHALL JRH WHEN ANY OF THEIR SUB-TIERS ARE FOUND TO BE NON-COMPLIANT TO SPECIFICATION, DISAPPROVED BY CONTRACTOR AND/OR GOVERNMENT/ INDUSTRY DATA EXCHANGE PROGRAM ("GIDEP") ALERT IS REQUIRED. 5. CONTRACTOR'S DOCUMENTED QUALITY SYSTEM SHALL INCLUDE PROCEDURES FOR DETERMINING THE CAPABILITY OF SUB-TIER SUPPLIERS, PRIOR TO ISSUANCE OF CONTRACTOR'S PURCHASE ORDER TO ANY SUB-TIER SUPPLIER. 6. CONTRACTOR SHALL DEFINE AND ESTABLISH A PROGRAM FOR DETERMINING THE NEED FOR PERIODIC RE-EVALUATION OF CONTRACTOR'S SUB-TIER SUPPLIERS TO ENSURE COMPLIANCE WITH THE PO. 7. CONTRACTOR SHALL INCLUDE IN ITS PURCHASE ORDERS TO SUB-TIERS THE APPLICABLE REVISION OR AMENDMENT LEVEL FOR REFERENCED SPECIFICATIONS AND OTHER DOCUMENTS. 8. CONTRACTOR SHALL MAINTAIN A DOCUMENTED RECEIVING INSPECTION FUNCTION TO ENSURE MATERIAL RECEIVED FROM CONTRACTOR'S SUB-TIERS IS INSPECTED TO AND MEETS THE REQUIREMENTS OF THE PURCHASE ORDER. MATERIAL SHALL BE INDENTIFIABLE TO THE PURCHASE ORDER. MATERIAL CERTS



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			ARE TO BE MAINTAINED FOR A PERIOD OF 5 YEARS AFTER DELIVERY OF MATERIAL.
<input type="checkbox"/>	Quality Clause QC25	Dust Cover Required	AN APPROPRIATE DUST COVER SHALL BE PROVIDED WITH EACH CONNECTOR.
<input type="checkbox"/>	Quality Clause QC26	Parts must be individually Kitted (No Bulk Packaging)	PARTS SHALL BE INDIVIDUALLY "KITTED". A KIT CONSISTS OF THE CORRECT NUMBER OF PIECES REQUIRED TO ASSEMBLE ONE COMPLETE PART. PARTS COMPOSED OF MULTIPLE COMPONENTS SHALL NOT BE BULK PACKAGED. FOR EXAMPLE, WHEN PACKAGING 10 CONNECTOR ASSEMBLIES (WHERE 1 ASSEMBLY IS COMPOSED OF 1 INSERT, 1 BACKSHELL, AND 2 PLUGS), THERE SHALL BE 10 PACKAGES EACH WITH 1 INSERT, 1 BACKSHELL, AND 2 PLUGS (NOT 3 PACKAGES OF 10 INSERTS, 10 BACKSHELLS, AND 20 PLUGS). FAILURE TO DO SO MAY BE CAUSE FOR RETURN OF PRODUCT.
<input type="checkbox"/>	Quality Clause QC27	Part/Package Marking	SUPPLIER SHALL MARK THE COMPLETE PART NUMBER OF THE DEVICE ON THE PART OR ON THE IMMEDIATE PACKAGING IN THE CASE THAT THE PART CANNOT BE MARKED DUE TO SIZE CONSTRAINTS. UNMARKED PRODUCT WILL BE REJECTED.
<input type="checkbox"/>	Quality Clause QC28	MSDS	A MSDS (Manufacturer Safety Data Sheet) must be supplied with each shipment of material.
<input type="checkbox"/>	Quality Clause QC29	Electronic Device packaging	<p>Surface Mount Devices (SMD) shall be taped and reeled per the latest revision of EIA-481, unless otherwise specified. The type of tape shall be plastic embossed and the reel diameter shall be 13 inches max. The maximum number of missing parts shall be 4 per 100. Unsupported splices (or splices supported by tape only) are not allowed without prior authorization.</p> <p>Note: T&R requirement do not apply to devices that have unformed leads or form factors not conducive to tape and reel packaging,</p> <p>It is preferred that Axial leaded devices be taped and reeled per EIA STD-RS-296. Other types of electronic devices shall be packaged per best commercial practices in order to ensure parts are protected from damage. ESD shielding or anti static packaging may be a requirement of the purchase order.</p> <p>Reels and containers shall be labeled (see below for requirements):</p> <ol style="list-style-type: none"> 1. Manufacturer's name (required) 2. Manufacturer's part number (required) 3. Lot date codes (preferred) 4. JRH part number (preferred) <p>In the event that a packaging issue arises that cannot be resolved by the purchase documentation, it shall be directed to JRH purchasing for determination.</p>
<input type="checkbox"/>	Quality Clause QC30	PROHIBITED MATERIALS	USE OF MATERIALS WHICH ARE TOXIC, FLAMMABLE, OR CAN BE CONSIDERED HAZARDOUS FOR OTHER REASONS SHALL BE AVOIDED. THE USE OF MAGNESIUM OR MAGNESIUM BASE ALLOYS, BERYLLIUM, ASBESTOS, WOOD, MERCURY OR ANY MERCURY COMPOUND IS SPECIFICALLY PROHIBITED. THE USE OF ITEMS



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			MANUFACTURED FROM COMPOUNDS OR ALLOYS WHICH CONTAIN BERYLLIUM, SUCH AS BERYLLIUM OXIDE SEMICONDUCTOR INSULATORS AND BERYLLIUM COPPER CONNECTOR CONTACTS, SHALL BE PERMITTED ONLY IF THE ITEM IS NOT MACHINED, DRILLED, CUT, FILED, ETC., IN THE INTENDED APPLICATION WHEREBY PARTICLES WOULD BE GENERATED INTO THE ENVIRONMENT AND ONLY UPON PRIOR APPROVAL OF THE PROCURING ACTIVITY. MERCURY SHALL NOT BE USED IN ANY MANUFACTURING OR TEST PROCESS (INCLUDING TEST EQUIPMENT SUCH AS MERCURY THERMOMETERS) WHICH WOULD RESULT IN ACCIDENTAL CONTAMINATION OF MANUFACTURED ITEM. THE USE OF THERMOPLASTIC MATERIALS SHALL BE LIMITED TO THOSE MATERIALS WHICH ARE CAPABLE OF WITHSTANDING HOT SPOT TEMPERATURE EXTREMES OF 150 DEGREES F WITHOUT DETERIORATION AND WITHOUT PRODUCING TOXIC FUMES. THE EQUIPMENT SHALL NOT CONTAIN RADIUM OR RADIOACTIVE MATERIAL ON INSTRUMENT DIALS OR IN ANY OTHER EQUIPMENT APPLCIATION. FRAGILE MATERIALS SHALL NOT BE USED.
<input type="checkbox"/>	Quality Clause QC31	No Changes without Approval/Notification of Change	The contractor shall not make any changes in the design, specification, configuration, manufacturing process and sequence, materials used, sub-tier suppliers used, tooling, manufacturing location, inspection method and acceptance criteria that could affect the form, fit, function, reliability, or interchangeability of items supplied under this contract without the express written consent of JRH Electronics. In the event of a proposed change, a documented request for change shall be submitted to the JRH purchasing representative. If approved, the contactor will be required to submit a FAI in accordance with QC20 at the contractor's expense.
<input type="checkbox"/>	Quality Clause QC32	Wire and Cable Test Reports	The seller shall provide certification that each shipment of electrical wire or cable furnished under this order conforms to applicable specifications. The supplier shall provide evidence with each lot submitted of a 100 % continuity test of multi-conductor cables or 100% attenuation/Insertion loss test for fiber optic cables. Test reports shall be included with the packing slip on each shipment and include the PO #, part #, quantity tested, and lot # of the material supplied. Records shall also be maintained in accordance with Clause SC09.
<input type="checkbox"/>	Quality Clause 33	Authorized Distributor	By acceptance of any RFQ/RFP/Contract/PO from JRH, you are certifying that you are either the Original Equipment Manufacturer (OEM) for the product you are supplying, or their authorized distributor or dealer. You may be asked to provide documentation from the OEM or a link to the OEM's website certifying above. If your authorization status changes at any time during the performance of this contract, notify your JRH representative immediately.
<input type="checkbox"/>	Quality Clause 34	TCS Lockheed NAFTA Cert Required	Section Five (5) on the NAFTA Certificate of Origin entitled " Product Description" shall include Lockheed's purchase order number; line item; part number; and MFG's part number if different. Country of Origin is to be clearly identified on the product itself and the packing slip for each line item. For products that cannot be marked, the container must be marked with the Country of Origin. If "lumber" is used in packing material, the shipment must comply with 7CFR 319.
<input type="checkbox"/>	Quality Clause 35	Packaging Requirement	Packaging requirement if not covered by specific instructions, all materials shall be protected against corrosion, contamination, deterioration or other spoilage during transit. Components shall be packaged in a manner to prevent twisted and entangled leads. All materials shall be packed with suitable protection so as to prevent damage through handling, in transit and during storage prior to usage. Packaging will be in accordance to "Best Commercial Practice # ASTM D3951"



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			<p>unless otherwise stated. Lockheed Martin recommends testing packaging to applicable ISTA (Int'l Safe Transit Assoc.) drop test procedures dependent upon the weight of the product. Items manufactured from Beryllium are to be individually packaged in sealed polyethylene bags with desiccants and humidity indicator inside bag. Desiccant pouches are not to be in contact with the part. A suggested procedure is double bagging with the inner bag containing the part left open and the outer bag containing the desiccant and bagged part sealed. If plastic capsule desiccants are used, double bagging is not required. The sealed bags are to be individually packed in plastic containers with covers.</p>
<input type="checkbox"/>	Quality Clause 36	Military Specification Wire-Certification	<p>The seller shall furnish with each shipment a Certification Of Compliance attesting that the material shipped is in compliance with all applicable purchase order and specification requirements. The wire must be manufactured by a source approved either by purchaser or per the applicable qualified products list (QPL/QML). The C.O.C must be signed by the seller's authorized representative. Reference to the purchase order number, Military specification number, MFG, value-added source's name, and the Qty shipped must appear on the document. Each spool of wire must be identified with the applicable military specification number. The seller shall flow down applicable quality requirements to any lower tier subcontractor performing work involving this purchase order.</p> <p>The seller shall maintain a quality control system, subject to purchaser's audit and approval, which addresses the following criteria:</p> <p>*Storage Controls *Quality Documentation Controls *Receiving Inspection *Nonconforming Material Controls *Material Traceability *Packaging and Shipping Controls</p>
<input type="checkbox"/>	Quality Clause 37	Marking	<p>Marking in accordance with MIL-STD-130 is required if unspecified on the drawing.</p>
<input type="checkbox"/>	Quality Clause 38	CE Marking and Conformity	<p>Seller shall determine if the item(s) being purchased on this purchase order are required to be CE Compliant. If item(s) being purchased on this purchase order are required to be CE Compliant and/or the drawing for the item(s) states that the item(s) need to be marked for CE then the seller will ensure that the product is CE marked and certified to the applicable CE directives. Seller shall provide a Declaration Of Conformity (DOC) Certification stating to which CE directives & standards the item(s) conform. The DOC shall include serial number specific reference to the item(s) being delivered on this order.</p>
<input type="checkbox"/>	Quality Clause 39	AS9120 Distributor Quality System Reqmts- Third Party Approval	<p>The supplier shall comply with the requirements of AS9120, Quality Managements Systems - Aerospace Requirements for stocking distributors.</p> <p>Only certifications completed by an IAF (International Accreditation Forum) accredited company will be accepted.</p>



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<input type="checkbox"/>	Quality Clause QC40	LM Shelf Life	<p>Age controlled material must have 2/3 of its shelf life remaining at the time of shipment. Each shipment is to be identified with the date of MFG. Seller shall identify the outer shipping container, packing slip, and all unit packages with Shelf Life Material; the applicable shelf life; expiration date by month and year; date of MFG; and storage limitations (e.g. max/min storage environments). Materials with no shelf life shall be identified as Unlimited in lieu of month/year. The order of precedence for determination of requirements follows: Purchase Order; purchaser specification; MIL/Federal Specification; MFG's specification/recommendation for shelf life.</p>
<input type="checkbox"/>	Quality Clause QC41	Proof Load Requirements (If applicable)	<p>If Lockheed Martin Supplied an Acceptance Test Plan or Drawing that includes proof load, those requirements shall be met. Otherwise, the proof load test shall be conducted per the applicable industry or MFG specification.</p> <p>After proof load testing a tag, marking, or other indication will be attached to the item(s) that identify as a minimum:</p> <p>Part Number: Serial Number: Test Date: Safe Working Load (SWL): Organization that performed the test:</p> <p>Note: The proof load test date shall be no more than 40 days prior to the shipping date.</p> <p>For items that require periodic test and/or inspection, an additional tag or marking should also be included that identifies:</p> <p>Next Test/Inspection Due Date: Inspection Criteria ("IAW..."): Safe Working Load (SWL): Organization that performed the test:</p> <p>In addition to tagging the item, a proof load test certificate and/or report hardcopy shall be shipped with the item(s). An electronic copy of the proof load certificate shall also be sent to the following email address: JSF-SE-OPS-VENDOR-DATA.FCAEROFW@LMCO.COM</p> <p>The proof load certificate shall indicate the serial number and each unit.</p>
<input type="checkbox"/>	Quality Clause QC42	Certificate Of Calibration Requirement (If applicable)	<p>Items supplied on this purchase order shall be calibrated utilizing a calibration system as defined by ISO 10012-1/-2, or ANSI/NC SL Z540-1, or a Lockheed Martin MST approved calibration system. A minimum of 75% of the calibration interval, which shall be easily identifiable, shall exist at the time of final delivery.</p> <p>A calibration label shall be affixed to each unit in shipment or labeled as specified by the controlling documentation for each unit in the shipment.</p> <p>In addition, a certificate of calibration per the standard shall be supplied with each unit supplied under this purchase agreement. The certificate of calibration shall be traceable to the National Institute For Standards and Technology (NIST) and shall indicate the date of calibration and what equipment was used to calibrate the unit (by serial number where applicable).</p> <p>A record of calibration as defined by the supplier's calibration system shall be created and maintained by the seller for each unit supplied under this purchase agreement. Copies of such records shall be provided to the buyer upon request and kept by the seller for a period of (3) years or amount of time specified by the contract.</p> <p>An electronic copy of the certificate of calibration for each unit shall be sent to the following email address: JSF-SE-OPS-VENDOR-DATA.FCAEROFW@LMCO.COM</p> <p>A hardcopy of the certificate of calibration for each unit shall be sent with the shipping documents with the unit. The certificate of calibration shall indicate the serial number of each unit.</p>



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<input type="checkbox"/>	Quality Clause QC43	(TSPP1W) MIL-G-45204 - GOLD ELECTROPLATING TYPE II	MIL-G-45204 - GOLD ELECTROPLATING TYPE II- The supplier and/or their sub-tier suppliers shall conform to this special process requirement which must be approved by Lockheed Martin quality representatives. A list of Lockheed Martin approved special processors can be found on the current approvals tab on the Lockheed Martin Procure-to-Pay internet portal. A search by approval code description or by specification number may be performed by using the approval code details provided on the title of this text note.
<input type="checkbox"/>	Quality Clause QC44	(TSPP30) QQ-S-365 - SILVER ELECTROPLATING TYPE I, GRADE A	QQ-S-365 - SILVER ELECTROPLATING TYPE I, GRADE A- The supplier and/or their sub-tier suppliers shall conform to this special process requirement which must be approved by Lockheed Martin quality representatives. A list of Lockheed Martin approved special processors can be found on the current approvals tab on the Lockheed Martin Procure-to-Pay internet portal. A search by approval code description or by specification number may be performed by using the approval code details provided on the title of this text note.
<input type="checkbox"/>	Quality Clause QC45	Specification/ Source Control Drawing	The supplier shall verify that parts supplied under this purchase order meet all the requirements of the Specification or Source Control Drawing called out on the Purchase Order. Requirements include but are not limited to: material, dimensions, performance requirements, drawing notes, marking, testing, and use of approved special processors. The supplier is required to review the revision level noted in the Purchase order to ensure they supply material to the latest revision of the drawing. If material is being ordered in support of this PO, this requirement and all others called out by the PO must be flowed down to the manufacturer. If parts are being supplied from inventory, the supplier shall verify that this inventory meets the requirements of the latest revision of the drawing.
<input type="checkbox"/>	Quality Clause QC46	Solderability Requirements	Component lead shall be solder-dipped or a 60/40 or 63/37 composition and meet the solderability requirements specified in the applicable drawing/specification. 63/37 solder is preferred. Chip style components may have a 90/10 composition. Steam age preconditioning for solderability tests shall be eight (8) hours. Solder fillets or solder on body of components shall be cause for rejection of shipment. The body is considered any part of a device other than a lead. Lead free finishes are not acceptable and lead free part numbers are not an acceptable substitute.
<input type="checkbox"/>	Quality Clause QC47	Special Process Certifications (RBSPCERT)	Vendor to provide individual process certifications for each special process performed, I.E. welding, finishing, coating, etc. LM special process approved suppliers must be used.
<input type="checkbox"/>	Quality Clause QC48	(MIL-DTL-5541F) Aluminum Chemical Film Type I (TSPC2P)	**MIL-DTL-5541F – Aluminum Chemical Film Type I** The supplier and/or their sub-tier suppliers shall conform to this special process requirement which must be approved by Lockheed Martin Quality representatives. A list of Lockheed Martin approved special processors can be found on the current approvals tab on the Lockheed Martin Procure-to Pay internet portal. A search by approval code description or by specification number may be performed by using the approval code details provided on the title of this text note.
<input type="checkbox"/>	Quality Clause QC49	HARDWARE Inspection (OWA17)	Hardware on this Purchase order shall be built and inspected to IPC-A-620 and J-STD-001 Class 3 requirements.



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<input type="checkbox"/>	Quality Clause QC50	ORLANDO TLS - Supplier's Standard Test Procedure (U9VATP1)	The Supplier may utilize his own standard test procedure provided that all test limits and test set-ups are in compliance with the purchaser's specification and no part of the test procedure is in conflict with the specification requirements. This procedure is required to be submitted to the Lockheed Martin Supply Chain Quality Assurance Email Address: P2p-sqa-admin.dp-orl-gtl@lmco.com The emailed report shall have the following items in the email's subject field: Purchase Order number Purchase Order Line Item Number Part Number "ATP" It is recommended that the test procedure consist of a step-by-step description of how to conduct the tests, a list of equipment used to perform the tests, what data is to be read and/or documented, what the acceptable test limits are, date, and part number, serial number and name of the item being tested.
<input type="checkbox"/>	Quality Clause QC51	Syracuse Solderability Clause (UPQ2540)	All shipments of this material to LMC shall include solderability verification documentation specifying: 1.The date the shipped product underwent solderability verification and, 2. That the lead finish supplied is either a hot solder diplead finish or a fused electroplated tin-lead finish in accordance with MIL-P-81728. (Not required when specified in the component part number such as an "A" lead finish designator for M38510 devices).
<input type="checkbox"/>	Quality Clause QC52	Owego Mill Certification Test Report (OW685)	Seller must provide one Mill Certification Test Report issued and signed by the producing Mill for each lot within the shipment of the purchase order. This report shall include the actual physical properties, the percentage of each element that make up the chemical composition of the material, the specification as specified in the purchase order, material description, alloy, temper, Mil spec, condition or type (if applicable) and the lot number.
<input type="checkbox"/>	Quality Clause QC53	Owego Part Marking Requirement (OW695)	Each piece of material, in addition to normal Mil-Spec requirements, must be marked with the following information: Lockheed Martin part number and purchase order. The marking material used must be of a type that is permanent under normal handling. The marking must be located at the top corner of flat stock and on the end of bars or rods. If this is not possible due to size restraint, each piece must be tagged with the required information.
<input type="checkbox"/>	Quality Clause QC54	Syracuse Package requirement (UFPACK)	If order quantity is greater than 50 pieces, than we require that items be packaged in quantities of 50 with the remainder in a separate package.
<input type="checkbox"/>	Quality Clause QC55	Owego Shelf Life Requirement (OW464)	Time Lapse between cure or manufacturing date and date of scheduled receipt by buyer under the purchase order shall not exceed one-third of the shelf life for the material without prior written waiver of buyer for each shipment.
<input type="checkbox"/>	Quality Clause QC56	Moorestown MS Revision Requirement (UFQCN)	Unless otherwise noted, items shall be supplied in accordance with the latest revision of applicable military/industrial drawing or specification in effect on date purchase order is issued.
<input type="checkbox"/>	Quality Clause QC57	Syracuse Test/Inspection Data (TCR120)	Objective evidence of the performance of tests and inspections shall be provided with product delivery. Also any screened data covered by MIL-STD-883 required by drawing shall be provided.



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<input type="checkbox"/>	Quality Clause QC58	Oldsmar Record Retention Requirement (EA-Q-5YR)	Record Retention for certificate of conformance (C of C) and test data (including chemical and/or physical reports identifiable to the raw materials used) when requested within the associated drawing shall be maintained by the seller in a controlled condition for a minimum of five (5) years from the date of final payment. These records shall be maintained in protected condition, remain legible, retrievable by PO number and made available to Lockheed Martin, its customers, and/or regulatory authorities within five (5) days of a request.
<input type="checkbox"/>	Quality Clause QC59	Syracuse ESDS Requirement (UPQ5044)	A CERTIFICATE MUST BE SUPPLIED W/THE MIL SPEC PTS, PROVIDED AGAINST THIS ORDER, WHICH STATES THAT THE PTS SUPPLIED WERE PROCURED FROM A MFG WHO AS, AT THE TIME OF PURCHASE A QPL SOURCE. DEVICES OF THIS TYPE ARE POTENTIALLY ESDS AS DEFINED BY DOD-STD-1686 & MUST BE PRODUCED & PROCESSED IN AN APPROVED ESD FACILITY. THE MFG &/ OR DISTRIBUTOR SHALL PKG & PACK IN CONTAINERS W/AN ANTI-STATIC INNER SURFACE, A CONDUCTIVE OUTERLAYER OR SURFACE, AND SUFFICIENT STRENGTH FOR THE PURPOSE OF THE PKG. RESISTORS SHALL BE PKG IN HEAT SEALED BAGS OR EVENLOPES FABRICATED W/MATL CONFORMING TO MIL-B-81705, TYPE I. THE OUTER SURFACE OF THE DEVICE PKG & SHIPPING CONTAINER SHALL BE MARKED WITH THE FOLLOWING STATEMENT: CAUTION: OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE ITEMS. FAR 46 & LOCKHEED MARTIN SOURCING GENRL TERMS & CONDITIONS PART A. APPLY FOR QUALITY ASSURANCE PACKAGING DEVICES PER MIL-A-39032. SUBSTITUTION IS NOT AUTHORIZED EXCEPT IN WRITING BY LOCKHEED MARTIN.
<input type="checkbox"/>	Quality Clause QC60	Syracuse Solderability Requirement (J-STD-002)	Parts shall meet the Solderability requirements of IPC J-STD-002, Test A, Category 1 as specified on the drawing.
<input type="checkbox"/>	Quality Clause QC61	Syracuse Gold Electroplating Type I Requirement (TSPP23)	TSPP23 (26 SEP 12) ** MIL-DTL-45204/MIL-G-45204 – GOLD ELECTROPLATING TYPE I ** The supplier and/or their sub-tier suppliers shall conform to this special process requirement which must be approved by Lockheed Martin Quality representatives. A list of Lockheed Martin approved special processors can be found on the current approvals tab on the Lockheed Martin Procure-to-Pay internet portal. A search by approval code description or by specification number may be performed by using the approval code details provided on the title of this text note.
<input type="checkbox"/>	Quality Clause QC62	Syracuse Nickel Electroplating Requirement (TSPP48)	TSPP48 (26 SEP 12) ** QQ-N-290 - NICKEL ELECTROPLATING ** The supplier and/or their sub-tier suppliers shall conform to this special process requirement which must be approved by Lockheed Martin Quality representatives. A list of Lockheed Martin approved special processors can be found on the current approvals tab on the Lockheed Martin Procure-to-Pay internet portal. A search by approval code description or by specification number may be performed by using the approval code details provided on the title of this text note.
<input type="checkbox"/>	Quality Clause QC63	Syracuse Raw Material Traceability Requirement (UTCRAW)	**RAW MATERIAL TRACEABILITY. HARDWARE DELIVERED UNDER THIS PURCHASE ORDER SHALL BE TRACEABLE TO THE RAW MATERIAL USED FOR MANUFACTURE BY: 1. SOURCE (LOT,BATCH,HEAT NUMBER) 2. MATERIAL TYPE 3. SPECIFICATION 4. ACTUAL CHEMICAL AND PHYSICAL PROPERTIES 5. RECORDS OF ACCEPTANCE SUPPLIER SHALL RETAIN THIS TRACEABILITY INFORMATION FOR EACH SHIPMENT AGAINST THIS PURCHASE ORDER. THIS TRACEABILITY INFORMATION SHALL BE



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			PROVIDED UPON REQUEST, FOR A PERIOD OF SEVEN (7) YEARS AFTER FINAL DELIVERY OF THE ITEMS SPECIFIED HEREIN FOR DELIVERY.
<input type="checkbox"/>	Quality Clause QC64	MRB Requirement (TCRB58)	Unless otherwise specified in this purchase order, the contractor and/or any of their suppliers/subcontractors do not have authority to process "use-as-is", "repair", "standard repair procedures (SRPs)" or "non-SRPs" via their material review board (MRB). These dispositions, as well as deviations and request for waivers, requiring MRB disposition shall be submitted to Lockheed Martin for approval (this does not include rework or scrap). The supplier/subcontractor shall utilize its appropriate nonconforming material disposition form and submit it to the buyer of record for Lockheed Martin approval.
<input type="checkbox"/>	Quality Clause QC65	Tin Electroplating Requirement (TSPP08)	** MIL-T-10727 - TYPE I - ASTM-B-545 TIN ELECTROPLATING ** The supplier and/or their sub-tier suppliers shall conform to this special process requirement which must be approved by Lockheed Martin Quality representatives. A list of Lockheed Martin approved special processors can be found on the current approvals tab on the Lockheed Martin Procure-to-Pay internet portal. A search by approval code description or by specification number may be performed by using the approval code details provided on the title of this text note.
<input type="checkbox"/>	Quality Clause QC66	IPC/EIA J-STD-001 STANDARD Requirement (TSPPW9)	TSPPW9 (26 SEP 12) ** IPC/EIA J-STD-001 STANDARD REQUIREMENTS FOR SOLDERED ELECTRICAL AND ELECTRONIC ASSEMBLIES - CLASS 2 ** The supplier and/or their sub-tier suppliers shall conform to this special process requirement which must be approved by Lockheed Martin quality representatives. A list of Lockheed Martin approved special processors can be found on the current approvals tab on the Lockheed Martin Procure-to-Pay internet portal. A search by approval code description or by specification number may be performed by using the approval code details provided on the title of this text note.
<input type="checkbox"/>	Quality Clause QC67	Lockheed Martin Missiles and Fire Control FIRST ARTICLE INSPECTION (FAI) Requirement (1818)	Note Number ID: 1818 Title: FIRST ARTICLE INSPECTION (FAI) (10 JUN 14) FIRST ARTICLE INSPECTION (FAI) A Lockheed Martin MFC (Buyer) First Article Inspection is required on this product in addition to any other inspection requirements elsewhere in this purchase order. The First Article Inspection shall be approved by a representative(s) of the Buyer prior to the shipment of the material. Lockheed Martin MFC customer shall have the right to inspect all work included in this order at the supplier's facility. A request for Supplier Quality Engineering to conduct First Article Inspection must be received at least (10) working days in advance of the planned inspection to allow for Buyer's participation if required. To submit your request for First Article Inspection, you must log into your Exostar account and access the LM P2P portal. Upon logging in, click on the "Ship To LMC" tab, select the PO line item and click on the "Request LMC Action" button located at the bottom of the page. On the details & scheduling page that displays, enter the desired date for the visit of our Source Representative and press the "Submit" button. Upon submission, the inspection lot number will be displayed within your ship to portal display. First Article Inspection does not relieve the seller of responsibility for Non-Conforming hardware found at a buyer's facility. The seller is responsible to comply with PO Note 1899 for all Supplier Corrective Action Requests. Questions may be directed to telephone (972)603-7882.



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		<p>Requirements:</p> <p>1) FAI'S shall be performed in accordance with Aerospace Standard AS9102. A FAI shall be conducted by Seller and accepted by a LMMFC supplier quality representative either at the seller's facility or via Fax/Email data review and acceptance, prior to any material shipment.</p> <p>2) The FAI shall consist of: A complete, independent, and documented physical and functional inspection process to verify that prescribed production methods have produced an acceptable item as specified by engineering drawings, planning, purchase order, engineering specifications, and/or other applicable design documents /specifications.</p> <p>DOCUMENTATION:</p> <p>3) Witnessing of the Acceptance Test Procedure (ATP) will also become part of the FAI when applicable.</p> <p>4) Any changes, as defined in AS9102, paragraph 5.3, with the following deviations from AS9102, paragraph 5.3: a. A break in production of one (1) year or more shall require a new FAI. b. All design or process changes require a new partial (Delta) FAI.</p> <p>5) Inspection results shall be documented by recording variable data whenever possible. Attribute data will be recorded only when variable data is not available.</p> <p>6) AS9102 or equivalent forms shall be used. In addition, a Product/Process Verification (PPV) checklist shall be used as a guide for process verification and shall become part of the FAIR. Preferred forms are included in an Excel file referenced below at the web server link - form # AS9102. The file includes four separate tabs (Part No. Accountability, Product Accountability, Characteristic Accountability and PPV checklist). http://www.lockheedmartin.com/us/suppliers/bu-info/elec-systems/mfc-extforms.html</p> <p>7) The LMMFC supplier quality representative shall stamp AS9102 Form 1, Part No. Accountability or equivalent as evidence of LMMFC FAI acceptance and any supporting documentation tied to the FAI Data.</p> <p>8) For all hardware deliveries requiring FAI's, the Seller shall include a copy of the MFC Approved AS9102 Form 1 in with each hardware delivery.</p> <p>9) A copy of the MFC Approved FAI reports and supporting documentation shall be retained at the Seller's facility in accordance with records retention requirements as defined elsewhere in this purchase order.</p> <p>10) FAI is required for the part/assembly number(s) included on the purchase order with no exceptions. NOTE: When a drawing for an assembly includes a parts list and/or subassembly drawings, all revisions levels shall be included and validated on the FAI Form No. 1.</p> <p>11) FAI is required for subassemblies and detail parts that make up the configuration item(s) included on this purchase order, with the following exceptions:</p>
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			<p>A) SELLER DESIGN AUTHORITY</p> <p>12) For subassemblies and/or detail parts where the Seller has design authority, FAI requirements shall be as defined in the Statement of Requirements.</p> <p>B) CATALOG AND COMMERCIAL OFF-THE-SHELF</p> <p>13) If the part number, as listed on this PO, is for a Buyer or Seller designed product that has standard catalog or commercial off-the-shelf hardware included at subassembly levels, then FAI is not required for the standard catalog or commercial off-the-shelf parts/assemblies.</p>
<input type="checkbox"/>	<p>Quality Clause QC68</p>	<p>Lockheed Martin Missiles and Fire Control Special Process Requirement (1836)</p>	<p>23 FEB 11) SPECIAL PROCESS - FIRST TIER/LM APPROVED – SUB TIER/SELLER APPROVED</p> <p>The seller shall identify and document all special processes referenced by specification within the Lockheed Martin engineering design required to produce the item/s under contract. Any seller owned (1st tier) special processes utilized in producing items under contract must be approved by Lockheed Martin. The seller is responsible to assure all subcontracted sub-tier special process providers are capable and qualified to perform the special process in accordance with specification requirements. Objective evidence of seller special process approvals shall be documented, verifying periodic surveys of the special processes. Objective evidence of surveys shall be retained by the seller in accordance with PO quality note 831 and is subject to buyer periodic audit.</p> <p>-----</p> <p>A copy of the special process provider's certificate of compliance that certifies each process was accomplished in accordance with the applicable specification shall be available for review by buyer as objective evidence the special process was performed to the specification requirements.</p> <p>Use of special process providers approved by Lockheed Martin is recommended.</p> <p>To view the Lockheed Martin approved process suppliers list; go to the new special processor search tool found within the Lockheed Martin Exostar Portal: http://www.myexostar.com. Log on with your User ID and password, then select the "Current Approvals" tab to view the special process suppliers.</p> <p>-----</p> <p>Information, assistance, or LM survey checklist may be requested using the contact information below. When requesting survey checklists please specify the special process specification and classification/s. E-mail request for information or questions to: Source-desk.fc-mfc-dal@lmco.com Or fax to: source desk (972)603-2300. Questions may be directed to telephone (972)603-7882</p> <p>Special process definition: Special process - a method controlled by a contractually required specification where: When a product undergoes a physical, chemical or metallurgical transformation or inspection, conformance to the specification cannot be readily verified by normal inspection methods, and the product depends on use of specific equipment operated in a specific manner, under controlled conditions, by trained personnel with instructions, procedures and standards.</p>



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<input type="checkbox"/>	Quality Clause QC69	Lockheed Martin Missiles and Fire Control Supplier Process Change Control Requirement (1880)	<p>(13 JAN 12) SUPPLIER PROCESS CHANGE CONTROL</p> <p>Some or all of the products acquired under this agreement will be incorporated into higher level assemblies that may be subject to stringent "qualification testing" requirements for critical government applications; even minor changes to Seller's products or processes may necessitate "requalification" or produce unacceptable results in higher level assemblies. Since the impact of any such product/process change can be most efficiently assessed prior to product integration into higher level assemblies and the potential cost of remediation/retrofit activities for end products deployed worldwide could be substantial, as a cardinal commitment under this contract, Seller expressly commits to:</p> <ol style="list-style-type: none"> 1) maintain a robust sourcing/quality process for the products delivered hereunder; 2) rigorously comply with the notification requirements specified below; and 3) include provisions with its sub-tier suppliers that are adequate to implement the requirements of this provision. <p>Prior Approval - Form/Fit/Function Alterations: Seller will not implement, or otherwise deliver to Buyer, products incorporating any alterations to product form, fit, or function without the express prior written approval of the LMMFC Procurement Representative. Such approval shall not be unreasonably withheld but shall be dependent upon Seller's thorough documentation of such proposed changes (including any analysis necessary to confirm continued suitability). Seller's notification and Buyer's limited approval of such form, fit or function alterations shall not be interpreted to waive any other contractual requirement(s) or to otherwise relieve Seller from delivering fully compliant products.</p> <p>Prior Notification - Material Changes: Prior to delivering any products incorporating a "material change", Seller shall provide advance notice to Buyer in sufficient time to reasonably evaluate the proposed change and, if necessary, to place an end-of-life order for the unchanged product, but in no event shall Seller's notice be less than 30 calendar days. For purposes of this clause a "material change" is any alteration to the design, technical specifications, materials, component sourcing, or production process, facilities or location, whether instigated by Seller or its sub-tier suppliers.</p> <p>Risk Notification - Product Alerts LMMFC shall be promptly notified whenever Seller becomes aware or reasonably suspects that any product delivered to LMMFC is, or contains a component that is, subject to a recall notice, warning alert, GIDEP Alert, and/or any other type of notification or concern regarding product authenticity, quality, safety, process integrity, and/or specification compliance.</p>
<input type="checkbox"/>	Quality Clause QC70	Lockheed Martin Missiles and Fire Control Specification Revision Level (816)	<p>(07 SEP 12) SPECIFICATION REVISION LEVEL</p> <p>For Lockheed Martin Part Numbers that reference military, industrial, and commercial standard processes, sellers shall use the latest revision at time of the purchase order unless otherwise stated in the purchase order.</p> <p>CANCELLED SPECIFICATIONS:</p> <p>When a military specification and/or standard has been cancelled and/or replaced, the approved specifications shall be found by accessing the Lockheed Martin Missiles And Fire Control supplier web: http://www.lockheedmartin.com/us/suppliers/bu-info/elec-systems/mfc-extforms.html</p> <p>- File Name: Single Process Initiative (SPI-LMC99-1) Cancelled Specific Order of Precedence:</p> <ol style="list-style-type: none"> 1. Refer to pages 6, 7 and 8 within the SINGLE PROCESS INITIATIVE (SPI-LMC99-1) 2. When a specification is not addressed in the SPI-LMC99-1 refer to the Guidance for



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<input type="checkbox"/>	Quality Clause QC76		Specification table located in pages 23, 24 and 25 of the same document. 3. When the cancelled specifications are not addressed in the Tables identified above, the Seller shall contact the Buyer to work with the specific Program Materials Manager to determine the applicable specification and its revision.
<input type="checkbox"/>	Quality Clause QC71	Lockheed Martin Special Process requirement (TSPC17)	AMS QQ-P-35/ QQ-P-35 - PASSIVATION OF STAINLESS STEEL The supplier and/or their sub-tier suppliers shall conform to this special process requirement which must be approved by Lockheed Martin quality representatives. A list of Lockheed Martin approved special processors can be found on the current approvals tab on the Lockheed Martin Procure-to-Pay internet portal. A search by approval code description or by specification number may be performed by using the approval code details provided on the title of this text note.
<input type="checkbox"/>	Quality Clause QC72	Shipment must be palletized	MATERIAL SHALL BE PALLETIZED AND MEET ALL REQUIREMENTS IDENTIFIED IN JRH CLAUSE QC35. SHIPMENTS NOT PALLETIZED WILL BE REFUSED UPON DELIVERY.
<input type="checkbox"/>	Quality Clause QC73	Static Packaging UPQ4594	Devices must be packed in type 1 static shield conductive barrier material in accordance with MIL-B-81705B .
<input type="checkbox"/>	Quality Clause QC74	TCR temperature coefficient rating	The temperature coefficient rating (TCR) normally included in the MFG's part # shall also be included on the parts label.
<input type="checkbox"/>	Quality Clause QC75	Tape and Reel Requirement (L-TANDR)	- COMPONENTS TO BE PACKAGED PER K10047059 REV D (PWA COMPONENT PACKAGING DRAWING). IF PARTS ARE TAPED, THERE SHALL BE A LEADER OF 400 MM MINIMUM WHICH SHALL CONSIST OF EMPTY CARRIER TAPE SEALED WITH COVER TAPE. THERE SHALL BE A TRAILER OF 160 MM MINIMUM OF EMPTY CARRIER TAPE SEALED WITH COVER TAPE.
<input type="checkbox"/>	Quality Clause QC76	Moisture Sensitive Component Requirement (Q-TCR802)	- If this component is considered moisture sensitive it shall be processed, packaged, and identified in accordance with the latest revision of IPC/JEDEC J-STD-020 (moisture/reflow sensitivity classification for non-hermetic solid state surface mount devices) and IPC/JEDEC J-STD-033 (handling, packing, shipping and use of moisture/reflow sensitive surface mount devices). ALL PACKAGES MUST HAVE A MINIMUM SIX (6) MONTHS CALCULATED SHELF LIFE REMAINING AT THE TIME OF DELIVERY.
<input type="checkbox"/>	Quality Clause QC77	Connector Keyway	Connector Keyway must be checked by inspection gauge in-process and at final inspection to ensure accuracy.