

ULA Clause

Clause Name

Clause Text



## DOC 253-01

### UNITED LAUNCH ALLIANCES QUALITY CLAUSES

ULA hereinafter shall mean United Launch Alliance, LLC. Notwithstanding any other provisions, all articles furnished hereunder are subject to the General Provisions of the Procurement Document and the following Special Provisions Quality Assurance Clause(s) when indicated by Quality Clause Code(s).

Articles defined in the Procurement Document will not be accepted by ULA if the vendor/contractor fails to submit certification, documentation, test data, and reports specified herein.

#### **Quality Clause Cross Reference Instructions:**

Purchase orders generated from the SAP system list the applicable Quality Codes, the Quality Clause Title and Text are not listed. Go to "Edit" and "Find". Type the Quality Code and select "Find Next"

If you have any questions regarding the use of this list, please contact the Procurement Representative as identified on the procurement document.

**ULA Clause      Clause Name      Clause Text**

<b>ULA Clause</b>	<b>Heritage Delta Clause</b>	<b>Heritage Atlas Clause</b>	<b>Clause Name</b>	<b>ULA Text</b>
QC001	N/A	QA1	ACCEPTANCE AT DESTINATION	Articles ordered under this Contract are subject to final acceptance at the ULA's Organizations Facility as set forth on the face of the Contract.
				<p>Source acceptance of all Contract and product requirements are subject to review by the ULAs Quality Assurance Representative (QAR) at the Contractor's facility prior to shipment of the article(s).</p> <p>Prior to commencing work, promptly notify the Contractor's designated QAR so the appropriate inspection plan can be coordinated. Immediately contact the Procurement Representative if the designated QAR is not known.</p> <p>Contractor shall notify the QAR at least five days prior to the start of any processing or manufacturing in conjunction with this purchase order/contract and 48 hours in advance of the time that the goods are available for review.</p> <p>The QAR will coordinate and identify any mandatory surveillance points at the earliest practical time convenient to both parties.</p> <p>Contractor shall provide reasonable facilities and assistance, including all quality records and related data for contracted goods, upon request as required to satisfactorily perform the inspections and tests required.</p> <p>The approval of the QAR shall be indicated on Contractor's shipping document as evidence of approval to ship.</p>
QC002	Q054	QC14	BUYER'S SOURCE ACCEPTANCE	Contractor shall ensure that the mandatory ULA source in-process inspection points are not by-passed.
QC003	Q923	QC14	BUYER'S SOURCE ACCEPTANCE (DELTA)	ULA's inspection is required at Contractor's facility. Evidence of such inspection will be indicated on the shipping report, process certification, or fabrication order accompanying each shipment. Work are subject to ULA's inspection prior to assembly and throughout all assembly, processing, and testing operations. ULA's Quality Assurance will establish and coordinate the mandatory ULA inspection points. Contractor will notify ULA's Quality Assurance at least five days prior to processing or manufacturing in conjunction with this Contract.

ULA Clause	Clause Name	Clause Text		
QC004	Q091	QC05	CERTIFICATE OF CONFORMANCE	<p>Contractor shall include with each shipment a copy of the manufacturer's Certificate of Conformance to attest that the parts, assemblies, subassemblies, or detail parts conform to the Contract requirements and is signed and dated by an official of the company.</p> <p>The Certificate of Conformance shall include the following information:</p> <ol style="list-style-type: none"> <li>1) Name and Address of Manufacturer</li> <li>2) Contract number</li> <li>3) Complete Part number and Quantity</li> <li>4) Drawing Revision Level</li> <li>5) Manufacturer's lot, heat, batch, date code, and/or serial number (if applicable)</li> <li>6) Indicate if goods are ULA furnished</li> </ol> <p>The applicable material test results, process certifications and inspection records shall be presented upon ULA's request. Contractor shall perform inspection, as necessary, to determine the acceptability of all articles. All articles submitted by Contractor are subject to final inspection at ULA's facility.</p> <p>OR (For sub-tier manufactured parts)</p> <ul style="list-style-type: none"> <li>• Contractor shall include with each shipment a copy of Contractor's Certificate of Conformance that will include reference to ULA's Contract Number and a reference to the required manufacturer's Certificate of Conformance.</li> </ul>
QC005	N/A	QB5A	CERTIFICATE OF CONFORMANCE (BUYER FURNISHED MATERIAL)	<p>The Contractor shall submit with each shipment, a Certificate of Conformance, that shall be dated and bear the signature and title of an authorized Contractor's Representative, stating that the hardware furnished is in conformance with applicable requirements of the Contract, drawings, and specifications, and that the ULA furnished material was used in the manufacture of the hardware. An example of an acceptable statement of Certificate of Conformance is as follows: "This is to certify that all items noted are in conformance with the Contract, drawings, specifications, and other applicable documentation. Material was furnished by ULA and no substitutions have been made without ULA's authorization. " When Substitutions have been authorized, the certification will be modified to indicate the source, nature, and date of the authorization.</p>

ULA Clause	Clause Name	Clause Text		
QC006	Q133	N/A	CERTIFICATE OF CONFORMANCE (EEE)	<p>The following data items must be provided with each shipment:</p> <p>(a) Part manufacturer's Certificate of Conformance with the applicable specification (including part number, detail specification number, and lot/date code). Each item quantity to be one lot/date code.</p> <p>(b) Objective evidence (e.g., certification from the part manufacturer) of compliance with the applicable Specification Quality Conformance Inspection Test requirements (i.e., Groups A, B, C, D).</p> <p>(c) Certification from any involved, authorized franchise intermediary that the parts are from the lot described by the manufacturer's documentation.</p> <p>(d) Certification that the shipment contains only new parts.</p> <p>(e) Contract Number must be included.</p> <p>Suggested format:</p> <p>[Item] [Quantity] [Part Number] [Manufacturer] [Lot/Date Code] [Specification Revision if applicable]  [list of items][Contract Number]  "Contractor certifies that the above parts are in conformance with the provisions referenced herein."  Company Name  Company Representative Signature  Title  Date</p>
QC007	N/A	QS7	CERTIFICATE OF CONFORMANCE (GRAIN DIRECTION)	<p>The Contractor shall submit with each shipment a certification, signed by a qualified Contractor's representative, stating that the parts supplied conform to the grain direction requirements identified in the specification/engineering. The grain direction on raw material shall be physically identified by an arrow in the direction of the grain.</p>

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QC008	Q105	QC30
		<p>CERTIFICATE OF CONFORMANCE (HIGH STRENGTH FASTENERS)</p>
		<p>Contractor will include with each shipment a legible copy of the manufacturer's certification. The certification will include the following information:</p> <ul style="list-style-type: none"> <li>(a) Name and address of the manufacturer.</li> <li>(b) Part number and the Contract Number, including revision levels that controlled the manufacture of the goods.</li> <li>(c) Manufacturer's production order/lot number.</li> <li>(d) Raw material data: <ul style="list-style-type: none"> <li>(1) Material specification.</li> <li>(2) Alloy class, type, or grade.</li> <li>(3) Raw material heat, lot, or melt number.</li> <li>(4) Name of raw material producer.</li> </ul> </li> <li>(e) Chemical analysis report.</li> <li>(f) Mechanical test report as defined by the applicable specification (e.g. Tensile and/or single/double shear strength).</li> <li>(g) Metallurgical examination report as defined by the applicable specification (e.g. microstructure and/or macrostructure).</li> <li>(h) Test results: dye penetrant, magnetic particle results, etc... when required by applicable specification.</li> </ul> <p>If the Contractor is not the manufacturer, then Contractor's name and ULA's Organization's Contract Number will be referenced on the manufacturer's certification.</p> <p>Contractor's Quality Control organization shall be responsible for ensuring that items of this Order are packaged in such a manner that the dimensional integrity is preserved, contamination and corrosion are prevented, and no physical damage occurs to the threads during shipment. The preferred method, when size permits, will be to individually sleeve the threaded portion of the fastener.</p> <p>Any method used shall ensure that threads remain undamaged during shipment. Bulk packaging of unprotected threads is prohibited. Fasteners made of plain carbon or low alloy steel shall be protected from corrosion. When plating is specified, it shall be compatible with the space environment (as appropriate). On steels harder than RC 33, plating shall be applied by a process that is not embrittling to the steel.</p>

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QC009	N/A	QB11	CERTIFICATE OF CONFORMANCE (LEAD CONTENT)	Electronic, electrical, electro-mechanical and/or mechanical piece parts, and assemblies (including internal hardware) shall NOT have tin plating or finishes with <3% lead content. This requirement also applies to component leads, terminals, carriers, bodies, cages brackets, housings, mechanical items and fasteners (nuts, bolts, screws, rivets, washers, etc.). The Contractor shall provide a written Certificate of Compliance, with each shipment of product, which attests that the product, and each sub-tier supplier's product(s) contained therein, meet this requirement. The Contractor shall insert the substance of this clause, including this sentence, in all lower-tier subcontracts for work performed under this Contract.
QC010	N/A	QB5	CERTIFICATE OF CONFORMANCE (MATERIAL AND PROCESS)	The Contractor shall submit with each shipment, a Certificate of Conformance, shall be dated and bear the signature and title of an authorized Contractor's Representative, stating that the materials furnished are in conformance with applicable requirements of the Contract, drawings and specifications and that supporting documentation is on file and will be made available to ULA's Representatives or Government Representatives upon request. Certification shall include name of the Contractor for materials being supplied, quantity shipped, and Contract Number. An example of an acceptable statement of certification of conformance is as follows: "This is to certify that all items noted are in conformance with the Contract, drawings, specification and other applicable documentation that all process certifications, chemical and physical test reports, are on file at this facility and are available for review by ULA."
QC011	Q092	QC05	CERTIFICATE OF CONFORMANCE (MATERIAL)	Contractor shall include with each shipment a certificate that states that the parts and materials used in the manufacture of the Work furnished were tested, inspected, and found to be in compliance with the applicable parts and material specifications. The certificate shall also include the following information:  (a) Part number, including revision number or letter, of the item being furnished. (b) Manufacturer's lot identification number of the item being furnished. (c) Name of the manufacturer of the material. (d) Raw material heat/lot/batch number. (e) Material specification, including revision letter or number. (f) Contract Number.  NOTE: A mill test report that complies with the requirements of Clause QC012, Raw Material

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QC012	Q080	QC06	<p>CERTIFICATE OF CONFORMANCE (RAW MATERIAL)</p> <p>(a) Contractor shall include with each shipment the raw material manufacturer's test report (i.e., mill test report) that states that the lot of material furnished has been tested, inspected, and found to be in compliance with the applicable material specifications. The test report will list the specifications, including revision numbers or letters, to which the material has been tested and/or inspected and the identification of the material lot to which it applies.</p> <p>(b) When the material specification requires quantitative limits for chemical, mechanical, or physical properties, the test report shall contain the actual test and/or inspection values obtained. For aluminum mill products (except castings), certifications for chemistry may indicate compliance within the allowed range. Certifications for physical properties shall show actual values.</p> <p>(c) If Contractor supplies converted material produced by a raw material manufacturer, Contractor is responsible for ensuring performance of all physical tests where the manufacturing process has altered the properties from what had been certified by the raw material manufacturer. The data submitted must reflect the condition of the material</p>
QC013	Q103	QC16	<p>CERTIFICATE OF CONFORMANCE (TEST REPORT)</p> <p>Contractor shall include with each shipment a certificate that lists the NDT performed and must include the inspector's signature or stamp and NDT certification level.</p>
QC014	Q019	QA7	<p>CERTIFICATE OF CONFORMANCE - SPECIAL PROCESS APPROVAL (HERITAGE DELTA)</p> <p>Contractor and / or Contractor's subcontract process sources shall be an approved processor or shall use approved processors as required by ULA's "Approved Process Sources". A list of the approved processors and associated processes are available from ULA's Procurement Representative.</p> <p>This clause shall be included in Contractor's subcontracts for work performed under this purchase contract that involves ULA's approved processors.</p> <p>A Certificate of Conformance and / or equivalent Process Certificate, signed by an authorized agent of the Processor / Contractor shall be included with shipping documentation (packing slip / invoice). The certificate shall include Contract Number, Part Number, Serial Number (as applicable), Process Specification number and revision, processing date and name and address of the Processor performing each Process.</p> <p>ULA approval of any processor does not relieve Contractor of Contractor's requirement to comply with the terms of the purchase Contract.</p>
QC015	N/A	QC17	<p>100% INSPECTION</p> <p>The Contractor shall submit (1) reproducible copy of all inspection documentation stamped by the responsible quality inspector showing 100% inspection for all attributes noted on the drawings, for all parts submitted.</p>

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QC016	N/A	QD36	100% INSPECTION (CRITICAL CHARACTERISTICS)	The Contractor shall perform 100% inspection of critical characteristics identified in the ULA's engineering document. The Contractor shall submit a Certificate of Compliance with each shipment attesting that all critical characteristics have been verified, to meet the requirements of the engineering document(s). The certification shall contain as a minimum a listing of the critical characteristics verified, the Name of Contractor, Part Number, Contract Number, Serial Number(s) (when applicable) and Quantity of parts shipped. Certification must be validated by an authorized representative of the Contractor's Quality Department, by either an Inspection Stamp or signature and a date in which the inspection occurred.
QC017	Q052	N/A	BUYER'S FINAL SOURCE INSPECTION (DELTA)	ULA's inspection is required at Contractor's facility. Evidence of such inspection shall be indicated on the shipping report accompanying each shipment or an attached Source Surveillance report. Articles and Services ordered on this Contract are subject to ULA's Organization's final inspection only. Contractor shall notify the procuring ULA's Organization's Site Representative and/or assigned ULA's Source Inspection Representative at least 48 hours in advance of the time that the Work are available for review.
QC018	Q051	N/A	BUYER'S IN PROCESS & FINAL SOURCE INSPECTION (DELTA)	ULA's inspection is required at Contractor's facility. Evidence of such inspection shall be indicated on the shipping report accompanying each shipment or an attached Source Surveillance Report. Articles and Services ordered on this Contract are subject to ULA's inspection prior to assembly and throughout all assembly, processing, and testing operations. ULA's Quality Assurance Representative will establish and coordinate the mandatory ULA inspection points. Contractor shall notify the procuring ULA's Site and/or ULA's Source Inspection Representative at least five days prior to the start of any processing or manufacturing in conjunction with this Contract and 48 hours in advance of the time that the Work is available for review.
QC019	Q049	QC13	GOVERNMENT SOURCE INSPECTION	Government inspection is required prior to shipment from Contractor's plant. Upon receipt of this Contract, Contractor shall promptly notify the Government representative who normally services its plant so that appropriate planning for Government inspection can be accomplished. In the event the Government representative can not be located, notify the Purchasing Representative immediately. Contractor shall provide evidence of Government inspection on the shipping report accompanying each shipment.  NOTE: Do not proceed with fabrication/manufacture processing until Government mandatory inspection points (GMIPs) are added to Contractor's manufacturing planning. GMIPs shall not be bypassed unless authorized in writing by the Government inspection representative.
QC020	N/A	QS11	BUYER PROVIDED PLANNING	Contractor shall stamp or initial the ULA supplied Planning upon completion of each specific step performed and shall indicate acceptance of those operations by a Quality Acceptance Stamp placed at the end of the final step of the process(s) performed.



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QC021	Q142	N/A	CAGE CODE Contractor will provide with each shipment the manufacturer's Commercial and Government Entity (CAGE) code. Contractor will legibly identify and record the CAGE Code on Contractor's documentation (e.g., shipper or certification). If the manufacturer does not have a CAGE code, Contractor will so annotate the shipper or other document.
QC022	N/A	QC09	CALIBRATION The Contractor shall have a documented calibration system that meets the requirements of AS9100. Reference the following documents for guidance: ISO 10012, "Quality assurance requirements for measuring equipment", or the "American National Standard Institute (ANSI)/National Conference of Standards Laboratories (NCSL) Z540-1, General Requirements for Calibration Laboratories and Measuring and Test Equipment.
QC023	N/A	QC10	CONFIGURATION MANAGEMENT Contractor is responsible for controlling / tracking changes to parts and components manufactured to ensure that the end product meets specified design functional and physical characteristic requirements. This includes any part or component manufactured to ULAs' or Contractors' drawings, specifications, or special process procedures. With each shipment, Contractor 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 Contractor's Quality Assurance department, and in addition to the aforementioned required information, shall include the following minimum requirements: <ul style="list-style-type: none"> <li>· Contractor's Contract Number including any change orders</li> <li>· Line Item Number</li> <li>· Part Number</li> <li>· Serial Number (traceability as applicable)</li> <li>· Lot Number (traceability as applicable)</li> <li>· Drawing Number</li> <li>· Revision Level (baseline configuration)</li> <li>· Revision Level (as built)</li> <li>· Engineering Order(s) (if applicable)</li> <li>· Process Deviations and Waivers (if applicable)</li> </ul>
QC024	N/A	QC12	CRITICAL PROCESSES The following shall apply to ULA designated "critical processes" performed by the Contractor: The Contractor will notify ULA of proposed changes in process definition (By the Contractor's or Contractor's subcontractors), and will obtain written approval from ULA prior to implementing the change. Changes affecting processes, production equipment, tools and programs shall be documented. Procedures shall be available to control their implementation.
QC025	Q083	N/A	DATE OF MANUFACTURE Date of manufacture of goods provided shall be not more than two years before the date of delivery to ULA.

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QC026	Q029H	N/A	DIGITAL PRODUCT DEFINITION (DPD) / MODEL BASE DEFINITION (MBD)	Contractor is required to obtain ULA approval as a DPD-Approved supplier if Contractor receives, downloads, and/or uses Computer Aided Design (CAD) geometry in any format from any of the ULA's facilities. The Contractor must also use the exact CAD system software and version for any and all three-Dimensional solid model definition released by ULA's Engineering. (Deviation from this requirement requires prior program management approval.) ULA's digital datasets are reference only (not design or inspection authority) until DPD approval status, and CAD system software version verification is obtained. The Contractor should utilize Document D6-51991, Quality Assurance Standard for Digital Product Definition at ULA's Suppliers for implementation of Digital Data control processes. A copy of ULA Document D6-51991, including all appendices and addenda can be obtained at the following URL address: <a href="http://www.boeing.com/companyoffices/doingbiz/supplier/">http://www.boeing.com/companyoffices/doingbiz/supplier/</a>
QC027	Q029		DIGITAL PRODUCT DEFINITION (DPD) / MODEL BASE DEFINITION (MBD)	Contractor shall conform to ULA's document D6-51991 "Quality Assurance Standard for Digital Product Definition at Boeing Suppliers" and obtain ULA approval as DPDCapable if Contractor receives, downloads, and/or uses Contractor's DPD geometry in any format. <ul style="list-style-type: none"> <li>• If Contractor receives ULA's DPD geometry in MBD format, Contractor is required to obtain ULA's approval as MBD-capable.</li> <li>• If Contractor provides ULA's DPD geometry to Contractor's subcontractors in any format, Contractor shall impose ULA's document D6-51991 as a requirement and is responsible for its subcontractor's conformance.</li> <li>• If the Contractor provides ULA's DPD geometry in any format to Contractor's subcontractors, Contractor shall comply with all applicable export laws. A copy of ULA's document D6-51991 and associated documents can be obtained at the following URL or are available through the Procurement Representative. <a href="http://www.boeing.com/companyoffices/doingbiz/dpd.html">http://www.boeing.com/companyoffices/doingbiz/dpd.html</a></li> </ul>
QC028	N/A	QM16	DOCUMENTATION ACCEPTANCE (DROP SHIPMENT)	Articles ordered under this contract are to be drop shipped to a destination other than at ULA's Organization. Final acceptance is contingent on the submittal and approval of the Quality data.

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QC029	Q123	QC8	<p>Work ordered require electrostatic (ESD) protection and must be properly packaged and identified.</p> <p>The Contractor shall ensure that ESD protection is compliant with applicable ULA standards and specifications.</p> <p>All Work must be shipped with their leads electrically shorted together in noncorrosive, conductive foam or other suitable method of packaging.</p> <p>All Work shall be placed in conductive or static dissipative packages, tubes, carriers, conductive bags, etc., for shipment.</p> <p>The packaging shall be clearly labeled to indicate that it contains electrostatic sensitive goods.</p> <p>NOTE: Lead shorting is not required for goods such as Dual Inline Packages (DIP's) shipped in conductive rails or tubes.</p>
QC030	Q125	N/A	<p>ELECTROSTATIC DISCHARGE PROTECTION (ESD) PROGRAM REQUIREMENT</p> <p>The Contract requires the Contractor to maintain a documented Electrostatic Discharge (ESD) protection program. If ULA's specification referenced in the Contract does specify control requirements for ESD, ULA's specification requirements shall be implemented. If the ULA's specification referenced in the Contract does not specify ESD control requirements, the Contractor shall maintain a documented ESD protection program which meets the control program elements 5.1, 5.3, 5.4, 5.5, 5.6, and 5.9 requirements of MIL-STD-1686C and includes documented employee training. Other element requirements are specified in ULA's specification, if required.</p>
QC031	Q124	QC8	<p>ELECTROSTATIC DISCHARGE PROTECTION (NON-ESD)</p> <p>Work ordered by this Contract is not considered Electrostatic Discharge (ESD) sensitive. However, they will be associated with ESD sensitive Work in the stocking and manufacturing processes where static generating packaging materials are forbidden.</p> <p>Contractor will make every effort to package and ship goods in noncorrosive, conductive foam or other suitable method of packaging. Contractor will make every effort to package goods in conductive or static-dissipative packages, tubes, carriers, conductive bags, etc., for shipment.</p>

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QC032	Q963	N/A	EMBRITTEMENT RELIEF	<p>(a) These parts require embrittlement relief. Contractor shall perform embrittlement relief per the specification listed in ULA's Contract and report the following data:</p> <p>(1) Date and time out of plating bath.</p> <p>(2) Date and time into embrittlement relief.</p> <p>(3) Date and time out of embrittlement relief.</p> <p>(4) Actual bake temperature.</p> <p>(b) This data shall be submitted as a part of Contractor's certificate of conformance/compliance. If multiple plating processes requiring embrittlement relief are performed, the data shall be submitted for each plating/embrittlement-relief cycle.</p> <p>(c) When specified per DPS 5.00, Contractor shall apply the word "Baked" to all parts per DPS 3.27-1 using a rubber stamp and black ink. The size and style of parts identification shall be in accordance with ULA's drawing. If the drawing or the physical dimensions of the part prohibit direct marking of the part, Contractor shall include the word "Baked" on the identification tags.</p>
QC033	N/A	QS5C	FOREIGN OBJECT DAMAGE (FOD) AWARENESS	<p>Contractor shall maintain a Foreign Object (FO) Control program assuring work is accomplished in a manner preventing foreign objects or materials from entering and remaining in deliverable items. Contractor shall provide FO Control program training to employees performing operations on ULA FOD Sensitive products. Maintenance of the work area and control of tools, parts and material shall mitigate the risk of FO incidents. Tooling, jigs, fixtures, and test or handling equipment shall be maintained in a state of cleanliness and repair to prevent Foreign Object Damage (FOD). Contractor shall provide a statement of certification that deliverable products are free of any foreign materials that could result in foreign object damage to the installed product or companion components /systems.</p>
QC034	N/A	QS5	FOREIGN OBJECT DAMAGE (FOD) CONTROL	<p>Contractor shall maintain a Foreign Object (FO) Control program with a documented and current plan assuring work is accomplished in a manner preventing foreign objects or materials from entering and remaining in deliverable items. The Contractor shall identify a FO Control person responsible for implementing the FO Control program. Contractor shall provide FO Control program training to employees performing operations on FOD Sensitive products. Maintenance of the work area and control of tools, parts and material shall preclude the risk of FO incidents. Prior to closing inaccessible or obscured areas and compartments during assembly, the Contractor shall inspect for foreign objects/materials. Tooling, jigs, fixtures, and test or handling equipment shall be maintained in a state of cleanliness and repair to prevent Foreign Object Damage (FOD). The Contractor shall document and investigate all FO incidents assuring elimination of the root cause. ULA or ULA's representative shall have the right to perform inspections, verification and FO Control program audits at Contractor's</p>

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			<p>facility to assure program documentation and effectiveness. Contractor shall flow down requirements as required to their Suppliers to ensure compliance to this requirement.</p> <p>Contractor shall provide a statement of certification that deliverable products are free of any foreign materials that could result in foreign object damage to the installed product or companion components /systems.</p>
QC035	N/A	QS5B	<p>FOREIGN OBJECT DAMAGE (FOD) CRITICAL REQUIREMENTS</p> <p>Contractor shall maintain a Foreign Object (FO) Control program with a documented and current plan assuring work is accomplished in a manner preventing foreign objects or materials from entering and remaining in deliverable items. The Contractor's FO Control program processes shall be provided to the ULA's FOE Program Management for review and approval. The Contractor shall identify a FO Control person responsible for implementing the FO Control program. Contractor shall provide FO Control program training to employees performing operations on FOD Sensitive products. Maintenance of the work area and control of tools, parts and material shall preclude the risk of FO incidents. Prior to closing inaccessible or obscured areas and compartments during assembly, the Contractor shall inspect for foreign objects/materials. Tooling, jigs, fixtures, and test or handling equipment shall be maintained in a state of cleanliness and repair to prevent Foreign Object Damage (FOD). The Contractor shall document and investigate all FO incidents assuring elimination of the root cause. ULA's Representatives shall have the right to perform inspections, verification and FO Control program audits at Contractor's facility to assure program documentation and effectiveness. Contractor shall flow down requirements as required to their Suppliers to ensure compliance to this requirement. The Contractor shall report, in writing, to the Contract designated technical interface, any FO damage to ULA FOD Sensitive products within three days of discovery and provide written cause and corrective action to the problem within 15 days of discovery. Contractor shall provide a statement of certification that deliverable products are free of any foreign materials that could result in foreign object damage to the installed product or companion components /systems.</p>
QC036	Q971	N/A	<p>IDENTIFICATION (CRITICAL ATTACH HARDWARE)</p> <p>(a) This part has been classified as Critical Attach Hardware and shall be identified with the words "Critical Attach Hardware."  (b) The size and style of hardware identification shall be in accordance with the drawing and associated specifications. If the drawing or the physical dimensions of the part prohibit direct marking of the part, Contractor shall include the words "Critical Attach Hardware" on the identification tag.  (c) Contractor shall include the words "Critical Attach Hardware" on all shipping</p>

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			documents (e.g., Bills of Lading), packaging, and containers.
QC037	Q972	N/A	IDENTIFICATION (FLIGHT CRITICAL ITEM) (a) This part has been classified as a Flight Critical Item and shall be identified with the words "Flight Critical Item." (b) The size and style of hardware identification shall be in accordance with the drawing and associated specifications. If the drawing or the physical dimensions of the part prohibit direct marking of the part, Contractor shall include the words "Flight Critical Item" on the identification tags. (c) Contractor shall include the words "Flight Critical Item" on all shipping documents (e.g., Bills of Lading), packaging, and containers.
QC038	N/A	QC2	IDENTIFICATION (TIME AND TEMPERATURE SENSITIVE) Time and temperature storage conditions must be attached to the packing sheet and accompany each shipment to be delivered hereunder. The outer most shipping box must be marked to indicate "Time and Temperature Sensitive Material", and "Temperature Storage Range in Degrees".
QC039	Q925	QS8	INSPECTION DELEGATION PROGRAM (ATLAS) Contractor shall comply with the program requirements defined for Supplier Acceptance Delegation Program. The Contractor shall have the Supplier Acceptance Program Delegation letter on file, authorizing Acceptance Authority for this Contract Line Item. Contractor must contact the ULA prior to initiation of work if evidence of acceptance authority is not on file.
QC040	Q925	N/A	INSPECTION DELEGATION PROGRAM (DELTA) Contractor is approved for participation in the Preferred Supplier Inspection Delegation (PSID) Program and will follow the requirements of this clause.  (a) Purpose. The PSID program delegates authority to the Contractor to accept goods on behalf of the ULA's Organization. Work thus accepted will not require receiving/source inspection by the ULA's Organization.  (b) Requirements. (1) Program Entry. (A) Contractor must exhibit a minimum quality performance of 98%. (B) When an approved quality system is required, Contractor must have successfully passed a quality-system evaluation and have no open findings within the past 12 months. (2) Maintenance. Contractor is required to maintain entry-level quality performance (98%) and quality-system approval to remain in the PSID program. If Contractor is not required to have an approved Quality Management System, Contractor will be

ULA Clause	Clause Name	Clause Text
		<p>reviewed for compliance with contractual requirements, such as statements of work. ULA's Representatives will determine the frequency of such reviews based on the complexity of the goods provided. Corrective action will be required if Contractor's quality performance falls below 98%.</p> <p>(3) Contractor shall appoint personnel to act as Designated Supplier Representatives (DSRs) from its quality assurance department. A DSR is an individual with authority to administer the PSID process for Contractor. DSRs shall have experience with ULA's specifications, standards, and products to ensure that all requirements are met. Contractor shall provide ULA an up-to-date list of its DSRs on the Preferred Supplier Inspection Delegation Designated Supplier Representatives form (MD-2119-02 Form).</p> <p>(4) Only DSRs can accept goods on behalf of ULA's Organization.</p> <p>(5) Participation in the PSID program does not relieve the Contractor of its obligation to control nonconforming material in accordance with applicable contractual requirements.</p> <p>(6) Contractor is responsible for performing all inspections required to ensure that the goods delivered comply with all contractual requirements.</p> <p>(7) Contractor shall show evidence of compliance and certify acceptance of all product tests/inspections by affixing an impression from a ULA-provided block stamp prominently on the shipping document. The DSR shall affix Contractor's acceptance stamp and date of inspection within the block stamp. Stamp impressions shall be legible and shall not obscure pertinent information on the shipping document.</p> <p>(8) Contractor shall complete and maintain a PSID Shipping Log (MD-2119-05 Form) or equivalent in accordance with the requirement stated on the MD-2119-05.</p> <p>(9) Contractor shall have available all documents required ULA's Quality Assurance Clauses specified in the Contract; however, only the shipping document is required to be included with each shipment. The remainder of the required documents shall be retained in Contractor's archives and will not be destroyed without ULA's written permission.</p> <p>(10) Work accepted by the Contractor shall be stamped by the DSR with the Contractor's acceptance stamp on each part or label.</p> <p>(11) Prior to the shipment of any goods, Contractor is required to complete the Preferred Supplier Inspection Delegation Shipment Checklist (MD-2119-04 Form). Contractor is authorized to substitute an equivalent form or computer records that provide the same type of data required on the MD-2119-04.</p> <p>(12) Contractor's failure to comply with the above-stated requirements may result in the revocation of its PSID status. Revocation will result in the imposition of additional quality requirements to the Contract.</p>

ULA Clause	Clause Name	Clause Text		
QC041	Q126	QC19, QC1	LIMITED LIFE AND AGE CONTROL ITEMS	<p>Products on this Contract require submittal of date of manufacture when shelf life is based on date of manufacture, or date of shipment from the manufacturer when shelf life is based on date of shipment, as appropriate, based on specified method of shelf life determination.</p> <p>Upon shipment, shelf life remaining shall meet the minimum shelf life specified on the order. If no shelf is specified, 75 percent of the shelf life shall be remaining on the products.</p> <p>Certification must contain the following:</p> <ul style="list-style-type: none"> <li>· ULA's Contract Number</li> <li>· Part Number</li> <li>· Manufacturer's Name, Lot, Heat, Batch, Date Code, and/or Serial Number (as applicable)</li> <li>· Date of Manufacture</li> <li>· Date of Shipment from Manufacturer (As specified on the Contract)</li> <li>· Contractor's name, and Point of Contact</li> <li>· Date</li> </ul> <p>Work shall be individually packaged. When the size of the item or the applicable specification does not permit marking of individual items, Contractor will label each package or box furnished. All elastomeric parts will be identified on the part itself or on interior and exterior packaging with a cure date in compliance with the specification.</p>
QC042	Q084	QC18	LIMITED OPERATING LIFE ITEMS	<p>Contractor shall collect and maintain records of operating time or cycles for all items designated as Limited Operating Life Items (LOLI) by ULA's drawings or specifications. Records shall include the total elapsed time or cycles for each operation, cumulative time or cycles starting with the first functional test, and remaining time or cycles. A copy of this data shall be included with each shipment.</p>



ULA Clause	Clause Name	Clause Text		
QC043	N/A	QD3	MATERIAL REVIEW AUTHORITY (MRA)	The Contractor is delegated Material Review Authority for all article characteristics contained in supplier drawings that are not specified requirements of the engineering drawings, specification or Contract, and do not have a direct effect on such specified requirements. If the Contractor is uncertain as to the effect on specified requirements, the concurrence of ULA's Quality Representative shall be obtained. This authority does not extend to the use of Material Review Board (MRB) for the purpose of changing engineering criteria, which can only be accomplished by a drawing change. This delegation is contingent on ULA's approval of the Contractor's capability to meet the intent of Mil-Std-1520 and is subject to review at any time by ULA's Organizations' Representatives. Material Review records, reports, documentation and qualification of personnel will be made available to ULA's Quality Representative upon request. This delegation of material review authority can be rescinded at any time by written notification from ULA Quality.
QC044	N/A	QM7	MEASUREMENT ACCURACY	The instrument(s) used for final acceptance must be calibrated to and capable of measuring one-fifth of the tolerance (5:1 accuracy ratio) to be checked. And a certification of this capability must be submitted with each shipment.  In addition, the actual measured results for all X.XXXX dimensions and dimensions with a tolerance of 0.002 or tighter shall be recorded for all parts and this data submitted with the parts upon delivery to ULA.
QC045	N/A	Q32A	NONDELIVERABLE SOFTWARE REQUIREMENTS	The Contractor shall plan, develop, and implement those practices and procedures that are necessary to assure compliance with the following requirements for hardware designed, tested, supported, or operated by software. Contractor shall provide controls to ensure that different software program versions are accurately identified and documented, that no unauthorized modifications are made, that all approved modifications are properly incorporated, and that software used for testing is the proper version. Contractor shall ensure that support software and computer hardware to be used to develop and test software or hardware under the procurement agreement are acceptable to ULA. Contractor shall establish a baseline of procured or developed software by performing validation tests that include demonstration of pass/fail criteria. ULA reserves the right to observe all validation tests and shall be notified at least three (3) days in advance of the start of testing.
QC046	N/A	QC11	NOTIFICATION OF CHANGES	The Contractor shall provide in writing advance notification to ULA of any change(s) to tooling, facilities, materials or processes at the Contractor or the Contractor's sub-tier that could affect ULA's contracted product. This includes, but is not limited to, fabrication, assembly, handling, testing, facility location or introduction of a new sub-tier supplier.

ULA Clause	Clause Name	Clause Text
QC047	Q968	QD26
		<p>ORDNANCE REQUIREMENTS (ATLAS)</p>
		<p>Contractor shall submit Bureau of Explosive documentation as to material classification, material description, explosive classification, and shipping information. Shipping information necessary to properly package, mark, and label, in accordance with Department of Transportation Hazardous Materials Regulations shall be included. Articles defined in this Contract are subject to ULA's Organizations inspection at destination and will not be accepted by ULA's Organization if the Contractor fails to ship the above data.</p> <p>Data Item Description (DID) Contractor shall submit completed DID Form DD1664, number DI-L-3311/L-117-I, required for obtaining hazardous classifications. Articles defined in this Contract are subject to ULA's Organizations Inspection at destination and will not be accepted by ULA's Organization if the Contractor fails to ship the above data.</p>

ULA Clause	Clause Name	Clause Text
QC048	Q968	QD26
		ORDNANCE REQUIREMENTS (DELTA)
		<p>The following requirements apply to each item/lot shipped under this Contract and shall take precedence over data-submittal requirements of any other quality clauses incorporated in this Contract. Engineering data such as supplier data item descriptions (SDIDs) and subcontract data requirements lists (SDRLs) shall be submitted in accordance with the Contract requirements.</p> <p>(a) Requirements Prior to Lot Acceptance Test (LAT) Firing.</p> <p>(1) Contractor will notify the Procurement Representative a minimum of three working days in advance of scheduled lot acceptance test (LAT) firing in order for ULA's Engineering to schedule its representative to witness the firing of LAT samples.</p> <p>(2) Contractor will prepare an advance data package consisting of production acceptance test report (PATR) (e. g., nondestructive test reports, applicable X-ray/N-ray films, and environmental test reports), build paper, rejection reports, certifications, and any additional pertinent data relative to the lot to be tested. The data package will be made available to ULA's Authorized Representatives at the test site no later than one day prior to the scheduled test firing.</p> <p>(3) ULA's Engineering and Quality Assurance Representatives will conduct an on-site review of the data package. When the data package is acceptable and after completion of successful LAT firing, ULA's Engineering and Quality Assurance Representatives will sign and stamp, respectively, the Ordnance Device Certification Statement (Form MD-0684), which Contractor will include with each shipment.</p> <p>(b) (b) X-Ray/N-Ray Requirements</p> <p>(1) One set of X-Ray/N-Ray films will be retained by the Contractor and made available to ULA's Organization upon request. Contractor will not dispose of X-Ray/N-Ray films and reports unless authorized in writing by ULA.</p> <p>(2) N-Ray inspections required by MIL-STD-1576, Electroexplosive Subsystem Safety Requirements and Test Methods for Space Systems, will be performed by a processor that is listed in Document D1- 4426, Approved Process Sources, as having been approved by ULA's Organization to perform N-Ray inspections in accordance with the requirements of specification STP0445, Neutron Radiographic Inspection.</p> <p>(c) Documentation to be Shipped With Ordnance. Contractor will include the following documentation with each ordnance shipment</p> <p>(1) Contractor's shipping report stamped by ULA's Quality Assurance and Government Source Inspection (if required).</p> <p>(2) ULA's Ordnance Device Certification Statement.</p> <p>(3) Material Safety Data Sheet (MSDS).</p> <p>(d) Ordnance Data Review Requirements After Shipment of Hardware</p> <p>(1) Contractor will prepare a data package as specified by SDID E005-41, Production/Lot Acceptance Test Report. Contractor will submit a copy of the data package to the Procurement Representative for review and approval. The data package will include a true copy</p>

ULA Clause	Clause Name	Clause Text	Clause Text
			<p>of production acceptance (non-destructive) and lot acceptance (destructive) test results obtained during manufacture/test of the lot, build papers, certifications required by the Contract, and ordnance lot control certification (applicable if MIL-STD-1168, Ammunition Lot Numbering and Ammunition Data Card, is imposed).</p> <p>(2) The Procurement Representative will notify Contractor that the data package is acceptable or that additional data is needed.</p> <p>(e) Final Ordnance Data Package Review Requirements</p> <p>(1) Upon ULA's acceptance of the PATR and LAT report, Contractor will submit two copies of the final ordnance data package to the Procurement Representative. The final ordnance data package will consist of documentation specified by SDID E052-2, Ordnance Data Package (for Delta II and III), and E052-3, Ordnance Data Package (for Delta IV).</p> <p>(2) The Procurement Representative will notify Contractor that the final ordnance data package is acceptable or that additional data is needed.</p> <p>(f) Ordnance Data Retention</p> <p>(1) Seller will retain all data generated during manufacture/test of each lot of deliverable ordnance. The data will be made available to ULA's Organization upon request.</p> <p>(2) Data retention will be as prescribed by the Contract.</p> <p>(3) No data will be disposed of without written authorization from ULA's Organization.</p>
QC049	N/A	QC5	<p>PRECISION CLEANED COMPONENTS</p> <p>Work ordered under this Contract shall be cleaned by the Contractor as required by ULA's engineering drawing and applicable contamination control specifications. Cleaning and/or testing of the articles shall be performed in facilities with procedures and equipment approved by ULA's Organization. Each article shall be identified with a "Cleaning Status Certification and Identification Tag". The tag shall be attached in a prominent position not in contact with significant surfaces.</p>

ULA Clause	Clause Name	Clause Text	Clause Text
QC050	N/A	QD1	PRELIMINARY REVIEW (PMR) AUTHORITY
QC051	Q095	QB2A	PREPRODUCTION APPROVAL (CASTINGS & FORGINGS)
<p>The Contractor is delegated Preliminary Material Review authority (PMR) for hardware nonconformances. This authority is limited to dispositions of Rework to engineering requirements, return to previous operation for reprocessing, Scrap (unless material was supplied by ULA's Organization), Repair to a ULA's Organizations approved standard repair instruction (SRI), and Return to Subtier Supplier. This authority does not extend to the use of a Material Review Board (MRB) for the purpose of changing engineering criteria, which can only be accomplished by drawing change.</p> <p>Prior to production, Contractor is responsible for obtaining ULA's approval for production of these parts due to casting and forging requirements. ULA's approval is required for the first production run or if there is any change in the process or tooling. Submission of test reports are required as defined by the drawing or contract requirements.</p> <p>Laboratories selected for testing must be a ULA approved process source.</p> <p>Two samples of all raw casting and forgings are required from new or reworked dies or molds.</p> <p>Unless ULA's source surveillance is a requirement of the Contract, the samples shall be forwarded to the ULA's Receiving Inspection with the actual results of layout inspection, radiographs, and actual chemical and physical test results.</p> <p>When ULA's source surveillance is a requirement of the Contract, the layout and test data shall be evaluated at the Contractor's facility.</p> <p>If, under a previous Contract, ULA has provided preproduction approval for the castings/forgings ordered as part of this contract, another preproduction approval is not required under this Contract unless, subsequent to the previous approval, changes in process parameters as defined in the applicable preproduction specification have been made.</p>			

ULA Clause	Clause Name	Clause Text
QC052	Q924	N/A
		PROCESS VALIDATION ASSESSMENTS (PVA)
		<p>a) ULA will perform Process Validation Assessments (PVA), during the design and manufacture of goods at Contractor's facility. Upon receipt of this Contract, Contractor will promptly notify ULA's Quality Assurance Representative that normally services its plant. If not presently serviced by one of ULA's Quality Assurance Representatives, Contractor will promptly notify the Procurement Representative.</p> <p>b) ULA's Quality Assurance Representative may elect to perform random sampling or 100% inspections. Contractor will not hold shipments for inspection unless specifically instructed to do so by ULA's Quality Assurance Representative. Contractor is allowed to ship Work without evidence of ULA's source inspection. Note: If clause QC083 is incorporated in this contract, First Article Inspection shall be performed by Contractor at Contractor's facility and shall be validated, as required, by ULA's Procurement Quality Representative at Contractor's facility prior to shipment of Work. This clause relieves Contractor of the requirement stated in QC083 to include a copy of all FAI report(s) with shipment of deliverable product.</p> <p>c) This clause does not apply to parts requiring serialization [e.g., Flight Critical Items (FCI), Fracture Critical Parts (FCP), and Critical Attached Hardware (CAH)], Douglas Process Material (DPM), or those orders where clauses QC008 [High-Strength Fastener Certification] or QC026 [Digital Product Definition (DPD) / Model Based Definition (MBD)] is imposed.</p> <p>d) Contractor will retain the quality documentation/certifications. Contractor is authorized to ship Work without having to provide copies to ULA's Organization. If the Contract does not specify data retention periods, Contractor is required to retain Contract-required quality documentation/certifications for a minimum of eight (8) years after shipment. Prior to destroying any quality documentation/certifications, Contractor will contact the Procurement Representative to request disposition of the documentation/certification in question. Documentation/ certifications will be provided to ULA's Organization at no cost upon request.</p> <p>e) Contractor is responsible for all inspections and/or tests necessary to ensure product conformance. To assure product integrity, Contractor will determine the necessity for in-process inspection. When in-process inspection is deemed necessary, Contractor will establish, coordinate, document, and maintain the mandatory in-process inspection points. Contractor will perform all final inspections and/or tests prior to shipping Work.</p> <p>f) Work will be tagged or bagged, with indication of acceptance status [e.g., application of Contractor's inspection/acceptance stamp or symbol] and Contract Number - PVA [i.e., Contract #####-PVA], in addition to the minimum</p>

ULA Clause	Clause Name	Clause Text	Clause Text	Clause Text
				identification requirements of the part.
QC053	Q004	N/A	QUALITY MANAGEMENT SYSTEM (DELTA APPENDIX A)	Contractor is required to maintain a quality system that complies with the requirements of Appendix A of Document D6-82479, "Boeing Quality Management System (BQMS) Requirement for Suppliers, as amended from time to time. Document D6-82479 is incorporated herein and made a part hereof by reference. ULA's Organization reserves the right to conduct surveillance at Contractor's facility to determine whether Contractor's quality system meets the requirements of this clause. A copy of Document D6-82479 can be obtained at the following URL address: <a href="http://www.boeing.com/companyoffices/doingbiz/supplier/">http://www.boeing.com/companyoffices/doingbiz/supplier/</a>
QC054	Q006	N/A	QUALITY MANAGEMENT SYSTEM (DELTA APPENDIX B)	Contractor is required to maintain a quality system that complies with the requirements of Appendix B of Document D6-82479, "Boeing Quality Management System (BQMS) Requirement for Suppliers, as amended from time to time. Document D6-82479 is incorporated herein and made a part hereof by reference. ULA's Organization reserves the right to conduct surveillance at Contractor's facility to determine whether Contractor's quality system meets the requirements of this clause. A copy of Document D6-82479 can be obtained at the following URL address: <a href="http://www.boeing.com/companyoffices/doingbiz/supplier/">http://www.boeing.com/companyoffices/doingbiz/supplier/</a>
QC055	Q002	N/A	QUALITY SYSTEM (D6-82479 Appendix A & Addendum 1) - (Delta)	Contractor is required to maintain a quality system that complies with the requirements of Appendix A, and Addendum 1 of Document D6-82479, "Boeing Quality Management System (BQMS) Requirement for Suppliers, as amended from time to time. Document D6-82479 is incorporated herein and made a part hereof by reference. ULA's Organization reserves the right to conduct surveillance at Contractor's facility to determine whether Contractor's quality system meets the requirements of this clause. A copy of Document D6-82479 can be obtained at the following URL address: <a href="http://www.boeing.com/companyoffices/doingbiz/supplier/">http://www.boeing.com/companyoffices/doingbiz/supplier/</a>

ULA Clause	Clause Name	Clause Text	
QC056	Q003	N/A	<p>QUALITY SYSTEM (D6-82479 Appendix A &amp; Addendum 2) - (Delta)</p> <p>Contractor is required to maintain a quality system that complies with the requirements of Appendix A, and Addendum 2 of Document D6-82479, "Boeing Quality Management System (BQMS) Requirement for Suppliers, as amended from time to time. Document D6-82479 is incorporated herein and made a part hereof by reference. ULA's Organization reserves the right to conduct surveillance at Contractor's facility to determine whether Contractor's quality system meets the requirements of this clause. A copy of Document D6-82479 can be obtained at the following URL address: <a href="http://www.boeing.com/companyoffices/doingbiz/supplier/">http://www.boeing.com/companyoffices/doingbiz/supplier/</a></p>
QC057	Q005	N/A	<p>QUALITY SYSTEM (D6-82479 Appendix B &amp; Addendum 1) - (Delta)</p> <p>Contractor is required to maintain a quality system that complies with the requirements of Appendix B, and Addendum 1 of Document D6-82479, "Boeing Quality Management System (BQMS) Requirement for Suppliers, as amended from time to time. Document D6-82479 is incorporated herein and made a part hereof by reference. ULA's Organization reserves the right to conduct surveillance at Contractor's facility to determine whether Contractor's quality system meets the requirements of this clause. A copy of Document D6-82479 can be obtained at the following URL address: <a href="http://www.boeing.com/companyoffices/doingbiz/supplier/">http://www.boeing.com/companyoffices/doingbiz/supplier/</a></p>
QC058	Q001	N/A	<p>QUALITY SYSTEM (D6-82479) - (DELTA)</p> <p>Contractor is required to maintain a quality system that complies with the requirements of Appendix A, Addendum 1, and Addendum 2 of Document D6-82479, "Boeing Quality Management System (BQMS) Requirement for Suppliers, as amended from time to time. Document D6-82479 is incorporated herein and made a part hereof by reference. ULA's Organization reserves the right to conduct surveillance at Contractor's facility to determine whether Contractor's quality system meets the requirements of this clause. A copy of Document D6-82479 can be obtained at the following URL address: <a href="http://www.boeing.com/companyoffices/doingbiz/supplier/">http://www.boeing.com/companyoffices/doingbiz/supplier/</a></p>
QC059	N/A	QT4C	<p>QUALITY SYSTEM APPROVAL</p> <p>Third party registration by an accredited registrar will be accepted. Contractor declaring system compliance with no formal accredited registrar, will be reviewed. The Contractor's system will be subject to review and approval at all times by ULA's Organization.</p>
QC060	N/A	QD4A	<p>QUALITY SYSTEM ISO 9001:2000</p> <p>The Contractor's Quality System shall conform to the requirements of the elements described in ISO 9001:2000, Quality Systems-Model for Quality Assurance in Design, Development, Production, Installation, and Servicing. Third party registration by an accredited registrar will be accepted. Contractor declaring system compliance to ISO 9001:2000 with no formal accredited registrar, will be reviewed. The Contractor's system will be subject to review and approval at all times by ULA's Organization.</p>
QC061	N/A	QD4B	<p>QUALITY SYSTEM ISO 9001:2000 (WITH EXCLUSIONS)</p> <p>The Contractor's Quality System shall conform to the requirements of the elements described in ISO 9001:2000, Quality Systems-Model for Quality Assurance in Design, Development, Production, Installation, and Servicing; with exclusions to Section 7. Third party registration by an accredited registrar will be accepted. Contractor declaring system compliance to ISO 9001:2000 with no formal accredited registrar will be reviewed. The Contractor's system will be subject to</p>



ULA Clause	Clause Name	Clause Text
		review and approval at all times by ULA's Organization
QC062	N/A	QT4B QUALITY SYSTEM SAE AS9003
QC063	N/A	QT4D QUALITY SYSTEM SAE AS9003 (WITH EXCLUSIONS)
QC064	N/A	QC02 QUALITY SYSTEM SAE AS9100

ULA Clause	Clause Name	Clause Text		
QC065	N/A	QC4C	QUALITY SYSTEM SAE AS9100 (WITH EXCLUSIONS)	The Contractor shall have a quality program that complies with International Seller for Standardization document SAE AS9100 Model for Quality Assurance in Design/Development, Production, Installation, and Servicing, with exclusions to Section 7. Third party certification / registration is not required. If ULA has accepted Contractor's AS9100 registration and Contractor subsequently changes registrars, loses its registration status, or is put on notice of losing its registration status, it shall notify the Procurement Representative within three days of receiving such notice from its registrar.
QC066	N/A	QC03	RIGHT OF ACCESS	Work under this Contract is subject to government or customer surveillance/inspection at Contractor's plant or sub-tier supplier's facility. The Contractor will be notified if a surveillance/inspection is to be conducted.
QC068	Q112H	N/A	SERIALIZATION (Delta - Build to Print)	When serialization requirements are imposed, all Work, including spares, test units, etc., with the same base drawing number (regardless of configuration dash numbers) shall be assigned sequential serial numbers. The serial number shall include Contractor's Commercial and Government Entity (CAGE) code number, (eg CC12345), separated by a dash or space from the sequential number assigned by Contractor (e.g. CC12345-001, or SN001 CC12345). Serial numbers shall not exceed sixteen characters. Work for repair, rework, or rework to a new configuration with the same base drawing number shall retain the original serial number. Contractor shall indicate serial numbers in all shipping reports. Listing serial numbers by ranges is acceptable provided that any breaks in the range are so noted (e.g. S/N CC12345-001 thru -0010, CC12345-0012 thru -0020, CC12345-0025 thru -0030 for a total of 25 parts). If Work is delivered in multiple shipments, only the serial numbers of the Work in a given shipment shall be listed in the shipping report for that shipment. Registration instructions to obtain CAGE code number are available on: <a href="http://www.bpn.gov/bin/cs/begin_search.asp">http://www.bpn.gov/bin/cs/begin_search.asp</a>
QC069	Q112	N/A	SERIALIZATION (Delta - Build to Spec)	When serialization requirements are imposed, all work, including spares, test units, etc., with the same base drawing number (regardless of configuration dash numbers) shall be assigned sequential serial numbers. Serial numbers assigned shall not exceed sixteen characters. Work for repair, rework, or rework to a new configuration with the same base drawing number shall retain the original serial number. Contractor shall indicate serial numbers on all shipping reports. Listing serial numbers by ranges is acceptable provided that any breaks in the range are so noted (e.g. S/N 001- 0010, 0012-0020, 0025-0030 for a total of 25 parts). If Work is delivered in multiple shipments, only the serial numbers of the Work in a given shipment shall be listed in the shipping report for that shipment.
QC070	Q082	QM17	SINGLE LOT OR DATE CODE	All parts provided under this Contract shall come from the same single lot or date code. The Contractor shall have written approval from ULA if multiple codes are used within this order and shall provide a copy with the shipping documentation. When mixed lot or date codes are authorized, the shipper shall list individual lot or date codes and quantity. Multiple lot or date codes shall not be co-mingled. In addition, the individual part containers shall be marked with the quantity and lot or

ULA Clause	Clause Name	Clause Text	Clause Text
			date code.
QC071	Q965	QD12	SPECIAL LABELING
QC072	Q019	QA7(REF QA8)	SPECIAL PROCESS APPROVAL (HERITAGE ATLAS A)
			<p>Contractor is hereby notified of special labeling requirements in the applicable drawing and/or specification.</p> <p>The designated label shall be applied to the exterior of each item container upon completion of packaging and stamped by a ULA Quality Assurance Representative to indicate compliance to applicable requirements.</p> <p>The applicable decal shall be applied near the nameplate of Part Number of each part defined in this Contract. Decal shall be positioned so that it does not obscure any information. If there is a possibility that the part decal would contaminate the item, or if the item is too small, the decal will not be used. Articles defined in the Contract, which are not ULA Source Inspected, will have the decals completed and applied at destination.</p> <p>Contractor (Contractor and/or Subtier) shall have current required approval(s) in place at the time of hardware processing. Contractor shall verify approval prior to performing processing.</p> <p>Approval: When the Contract requires special processing, the Contractor shall accomplish such processing only after:</p> <ol style="list-style-type: none"> <li>1. Special Processor Approval by an on-site survey by ULA's Organization or</li> <li>2. ULA's Organization approval of the Contractor's system to control his own Subtiers <ol style="list-style-type: none"> <li>a. This approval is contingent upon the Contractor's procedural requirement for an on-site survey to an adequate process specific questionnaire and</li> <li>b. A vendor rating system that identifies unacceptable subtier performance with criteria for corrective action and criteria and frequency for re-survey and</li> <li>c. A list of subtier processor approval(s) that contains approval and expiration dates.</li> </ol> </li> </ol> <p>The subcontractor performing special process work shall have a Quality Management System that complies, at a minimum, with the following paragraphs of AS9003 in their entirety: Paragraphs 4.1, 4.3, 4.6.4, 4.6.6, 4.9, 4.10.1 thru 4.10.3, 4.11 thru 4.16, 4.18.</p> <p>ULA's Organization approval of subtier special processing does not relieve the Contractor of the responsibility to ensure that work performed by Subtier Contractors is in accordance with specification requirements.</p>

ULA Clause	Clause Name	Clause Text
		<p>Equivalency:            If the Contract requires processing in accordance with a ULA's Organizations internal specification (example: EPS, STP, 5-XXXXX, 0-XXXXX, LAC specifications), the Special Process Approval may be for an equivalent Industry or Government specification. If the Contract requires processing in accordance with a cancelled Military Specification or Standard, ULA's Organization determined Special Processor Approval may be for the replacement Industry or Government specification.. This special process approval does not authorize deviation to, or take priority over, the contractually imposed requirement. The Contractor (Contractor and/or Subtier) must conform to the requirements of the contractually imposed requirement. The Contractor shall insert the substance of this clause, and clause QC073, in it's entirety (including this sentence), in all lower-tier Contract's for work performed under this Contract.</p>

ULA Clause	Clause Name	Clause Text	Clause Text
QC073	Q019	QC08 (REF QA7)	<p>SPECIAL PROCESS APPROVAL (HERITAGE ATLAS B)</p>
QC074	N/A	QM10	<p>STATEMENT OF WORK</p>

Contractor (or Subtier) shall have current required approval(s) in place at the time of hardware processing. Contractor shall verify approval prior to performing processing.

Definition:  
Special Process – A method controlled by a contractually required specification where:

1. A product undergoes a physical, chemical or metallurgical transformation or inspection. Conformance to the specification cannot be readily verified by normal inspection methods and,
2. The quality of the product depends on use of specific equipment operated in a specific manner, under controlled conditions, by trained personnel with instructions, procedures or standards.

Contractually required specifications include engineering drawings, Industry or Government specifications identified in the Contract, subordinate drawings, statements of work, or other contractual documents.

Certain special processes are required to comply with this contract. Special processes shall be performed only by sources that have been surveyed and approved by Buyer to perform those processes.

A special process certification shall be provided with each shipment of item(s) delivered on this contract. Special Process Certifications may be in supplier format and shall include the following:

- ULA's Contract Number
- Part Number(s)
- Serial and/or Lot Numbers, of the hardware processed (if applicable,)
- Material Process Specification & Revision
- A certification stating the special process was performed per the applicable drawing/specification requirements.
- Processing Organization 's Name and Address
- Each certification must be signed and dated by a company official of the Contractor and/or Processor attesting to the acceptance of the processes performed to the required specification(s).

The Contractor shall insert the substance of this clause, including this sentence, in all lower-tier subcontracts for work performed under this Contract.

Work defined in this Contract are subject to additional requirements per a statement of work, which must be met to achieve compliance to contract requirements. Work will not be accepted by ULA's Organization if Contractor fails to comply with the requirements of the statement of work.

ULA Clause	Clause Name	Clause Text		
QC075	Q964	N/A	STRESS RELIEF	(a) The parts covered by this Contract require stress relief prior to cleaning and plating. Contractor shall perform stress relief per the specification listed in ULA's Contract and report the following data: (1) Date and Time into bake oven. (2) Date and Time out of bake oven. (3) Actual Bake Temperature. (b) This data shall be submitted as a part of Contractor's certificate of conformance/compliance.
QC076	Q949	QM12 QM13	TRACEABILITY	The Contractor shall maintain traceability for the items in the Contract and shall be shown with the provided documentation of materials, parts and assemblies from acquisition through fabrication, assembly, test and delivery. This includes applicable traceability to part serial numbers, lot or batch number, raw materials, subassemblies, as applicable to the documentation required such as any test reports, shipping reports, or certifications. Reference SAE AS9100 section 7.5.3 for clarification of requirements.
QC077	N/A	QA5B	SUBMITAL - ACCEPTANCE TEST PROCEDURE	The Contractor shall prepare separate detailed test procedures, encompassing tests required for acceptance. Each item of hardware, or part thereof, which requires acceptance testing, shall be covered by an Acceptance Test Procedure. Acceptance Test Procedures require ULA's approval prior to the delivery of the first unit of hardware. Subsequent changes are subject to ULA's Organization's approval prior to incorporation. Where these tests are performed utilizing equipment controlled by computer software or firmware, the software or firmware associated with, or affecting, those tests require ULA's Organization's approval at the same time(s) as the remainder of the Acceptance Test Procedure.
QC078	N/A	QM9	SUBMITTAL - (PRINTED WIRING BOARD)	The Contractor shall submit a Printed Wiring Board Acceptance Summary (Form DEN 500536) with each part number shipped.
QC079	N/A	QB4F	SUBMITTAL - (FAILURE ANALYSIS REPORT)	The Contractor shall perform a failure analysis on item(s) returned under this Contract and shall provide to ULA's Organization, as a minimum, the following information with the shipment or as directed by Contract: 1) Date of report; 2) Contract Number; 3) Seller's Name and Address; 4) Part Name, Number, Revision level, and Serial Number; 5) NonConformance Document number (if specified by Contract); 6) Specific and contributory causes of failure; 7) List of parts required to repair item(s); 8) Corrective action taken to preclude recurrence and effectivity by date or serial number of corrective action; 9) Signature and title of Contractor's Quality Representative approving the failure analysis report.

ULA Clause	Clause Name	Clause Text		
QC080	N/A	QD11	SUBMITTAL - (VIBRATION TIME RECORD VTR)	Work defined in this Contract is subject to maximum vibration time limitations. A Vibration Time Record (Form DEN 101201) shall be completed for each part in accordance with instructions on reverse side of form.
QC081	Q079	N/A	SUBMITTAL - ACCEPTANCE TEST REPORT	Contractor shall include with each shipment a copy of the results of the lot or item acceptance tests required by the applicable specification. The report shall include the principal specifications, including revision numbers or letters, which govern the production of the item. Where quantitative limits are established by the specification, the report shall indicate the actual values obtained during testing. Test reports shall include the control identity (e.g. lot, heat lot, batch, serial number) of the material or item tested. If Contractor is not the manufacturer, Contractor shall furnish the manufacturer's test report as described above.
QC082	Q948	N/A	SUBMITTAL - CALIBRATION DATA	Contractor shall furnish, for each part shipped, two copies of Contractor's completed calibration data sheets. One copy shall be attached to the part; the other copy shall be submitted as part of the data package. Each calibration data sheet shall be traceable to the individual part tested, and shall include ULA's Organization's Part Number, Part Serial Number, and ULA's Contract Number for the parts being shipped.
QC083	Q071	QC15	SUBMITTAL - FIRST ARTICLE INSPECTION (FAI) AS9102	<p>Contractor is required to perform a First Article Inspection (FAI) in accordance with AS9102. The inspection records and data shall be per AS9102 or equivalent reproduction. If the deliverable is an assembly, this inspection shall also include all of the piece parts that make up the assembly. When testing is required, the parameters and results of the test shall be recorded in the same manner.</p> <p>Contractor shall notify ULA's Quality Assurance Representative to coordinate and plan for the First Article Inspection. The First Article Inspection Report must show evidence of acceptance by ULA's Quality Assurance Representative.</p> <p>Contractor will include copy of the First Article Inspection (FAI) report with the initial shipment of the item. Additionally when a partial or re-accomplished FAI is performed as required by AS9102, Contractor will include copy of such FAI report with the initial shipment of the FAI item.</p>
QC084	Q962	N/A	SUBMITTAL - HARDNESS AND CONDUCTIVITY TEST	<p>(a) The Work covered by this Contract require a hardness and/or conductivity test. Contractor shall perform, and certify to the completion of, the tests per the applicable specification or the instructions provided by the Procurement Representative.</p> <p>(b) Contractor shall record and report actual minimum and maximum values obtained.</p>

ULA Clause	Clause Name	Clause Text		
				(c) Contractor shall include the test results, along with a specific reference to the applicable acceptance criteria, with each shipment of Work
QC085	Q961	N/A	SUBMITTAL - HARDNESS TEST	(a) The Work covered by this contract require a hardness test. Contractor shall perform, and certify to the completion of, the test per the applicable specification or the instructions provided by ULA. (b) Contractor shall record and report actual minimum and maximum values obtained. (c) Contractor shall include the test results, along with a specific reference to the applicable acceptance criteria, with each shipment of goods.
QC086	N/A	QB3A	SUBMITTAL - HEAT TREAT SAMPLES	Test bars shall be heat treated with parts and submitted with shipment (Minimum of two test bars for each heat treat lot unless otherwise specified).
QC087	Q030	N/A	SUBMITTAL - MANUFACTURING AND INSPECTION CONTROL PLAN	Contractor shall submit a manufacturing and inspection control plan for ULA's Organization's approval. As a minimum, the plan will delineate the sequence of manufacturing operations to be performed, the points within the manufacturing sequence where inspection is to be performed, the type of each inspection specified, and, if applicable, the specifications that define each inspection requirement. This plan will be submitted to the Procurement Representative. Approval by the Purchase Representative is required prior to production of the Work. Approval of this plan does not relieve Contractor of the responsibility to perform all inspections required by the applicable specifications. Any changes to the approved plan shall be submitted to ULA's Organization for approval.
QC088	Q069	N/A	SUBMITTAL - OBJECTIVE EVIDENCE OF DIMENSIONAL INSPECTION	(a) Contractor shall provide objective evidence with each shipment that all work furnished under this Contract were dimensionally inspected for conformance with drawing and other Contract requirements. Objective evidence shall consist of records of actual readings taken during the inspection of each part, with the dimension and its tolerance noted.  (b) Contractor shall identify the Contract Number, Part Number, Revision, and when applicable, Serial Number on each inspection data sheet. Each inspection data sheet shall be signed by the Management Representative responsible for Contractor's inspection activity, with the title of the individual whose signature appears on the inspection data sheet and the date of the signature.  (c) Evidence of ULA's Quality Assurance Representative QAR (Source Inspection), when applicable, shall be indicated by ULA QAR inspection stamp, or signature, on Contractor's dimensional record for each dimension verified.



ULA Clause	Clause Name	Clause Text		
QC089	N/A	QC31	SUBMITTAL - PRESSURE VESSEL	With each shipment, Contractor shall provide two copies of American Society of Mechanical Engineering (ASME) Code Reports showing conformance of the units to the requirements of the Pressure Vessel Code. When required, the hardware markings must be in accordance with the applicable drawing/specification. The pressures tested/certified to and the method used shall be indicated.
QC090	Q921	QD15, QD16, Q19A, Q19B, QB1	SUBMITTAL - RADIOGRAPHIC	<p>Contractor shall submit Radiographic inspection results (associated films, test reports, actual values) of each item defined in the Contract to ULA's organization and with the Work.</p> <p>Contractor shall submit the radiographic control document identifying the areas inspected, image views, and orientation to allow precise film interpretation with appropriate traceability to the items.</p> <p>When welding is a requirement, a document to identify each weld by number, direction, and the number of views is required per weld. Welding operations shall not be conducted by the Contractor until ULA's Organization's approval of this document is obtained.</p> <p>ULA's Organization's review and acceptance of radiographic inspection results is required prior to shipment of the contracted goods unless otherwise authorized by the Procurement Representative and coordinated with the ULA Quality Assurance Representative. Assistance and direction for coordinating this effort will be provided by the Procurement Representative.</p> <p>If review and acceptance will be at Contractor's facility, Contractor will provide for reasonable facilities and assistance, including a suitable film review area (ref. MIL-STD-453 / ASTM E 1742). Evidence of ULA's Organization's acceptance must be indicated on the applicable radiographic report or certification provided by the source performing the radiographic service.</p> <p>Work defined in this Contract are subject to ULA's Organization's inspection at destination and will not be accepted if the Contractor fails to ship x-rays with the Work.</p>
QC091	N/A	QB2B	SUBMITTAL - SUPPLEMENTAL DATA REQUIREMENTS (CASTINGS/FORGING S)	<p>In addition to chemical/physical test reports stating the actual chemical and mechanical properties for each lot submitted, inspection/test data listed below shall be submitted for each lot of castings or forgings as required by specification or Contract.</p> <p>Certification for Magnetic Particle, Fluorescent Penetrant Inspection, Ultrasonic Inspection, Pressure Test, and Grain Flow shall be submitted with the order. Radiographic Inspection results including film for each casting shall be supplied. These reports shall be validated by an authorized representative of the Contractor's Quality Department, by either an inspection stamp or signature.</p>

ULA Clause	Clause Name	Clause Text		
QC092	N/A	QB4	SUBMITTAL - TEST REPORT	Actual functional test reports referencing ULA's Contract Number, Contractor's Organization's Name and Address and/or Independent Laboratories' Name and Address, Part Number, Part Name, Serial Number (if applicable), Date, and Run Time (if applicable), must accompany each shipment to be delivered. These reports shall be validated by an authorized Contractor's Representative, by either an inspection stamp or signature and title.
QC093	N/A	QC07	SUBMITTAL (CALIBRATION)	The Contractor shall submit for each item calibrated, one reproducible record of actual calibration results, including applicable graphic and tabular data. Records shall be traceable to the Individual Item Tested, by Part Number, Serial Number and Contract Number for the item shipped. The calibration certificate shall include a unique calibration tracking number, tolerance range, and when applicable, environmental conditions for each parameter calibrated. The certificate shall also state the operating error per specification, the degree of correction of out-of-tolerance condition and remaining uncorrected out of tolerance condition, if applicable.
QC094	Q141	N/A	SUBMITTAL (GOODS DESCRIPTION)	Contractor shall include with each shipment a copy of the drawing, specification, or other technically descriptive documentation (e.g., catalog sheet) that best and most thoroughly describes the Work procured.
QC095	Q081	N/A	SUBMITTAL (LOT INSPECTION REPORT)	Contractor shall perform a verification of one piece for each lot delivered under this Contract. In addition, Contractor shall record required and actual dimensional characteristics per the specification in report form for each lot. The format of the report is at Contractor's discretion. Each lot inspection report will be traceable to this Contract Number and will include the basic Part Number, Dash Number, Change Letter, and Date Code of the furnished Work. Contractor shall provide a copy of the lot inspection reports and identify the pieces that were verified by tag or ink stamp.
QC096	N/A	QD27	SUBMITTAL (MATERIAL SAFETY DATA SHEET)	<p>A. Material Safety Data Supplier shall submit a Material Safety Data Sheet with the shipment. Work defined in this Contract are subject to ULA's Organization's inspection at destination and will not be accepted if the Contractor fails to ship the above data.</p> <p>B. Shipping Data Supplier shall submit the proper shipping classification, flash point, and information necessary to properly ship the articles in compliance with CFR Title 49. Work defined in this Contract are subject to ULA's Organization's inspection at destination and will not be accepted if the Contractor fails to ship the above data.</p>