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| | QA 01 QUALITY SYSTEM REQUIREMENTS PER AS 9100 or ISO 9001 | SUPPLIER IS REQUIRED TO MAINTAIN A QUALITY MANAGEMENT SYSTEM THAT COMPLIES WITH THE REQUIREMENTS OF AS 9100 OR ISO9001. BUYER RESERVES THE RIGHT TO CONDUCT SURVEILLANCE AT SUPPLIER'S FACILITY TO DETERMINE WHETHER THE SELLER MEETS THE REQUIREMENTS |
| | QA 02 Quality System Requirements for Calibration and Testing Suppliers | Calibration and testing suppliers must maintain a quality system per the requirements of ISO 9001, ISO17025, ANZI Z540 or Nadcap requirements. Suppliers must furnish calibration/test reports per PO requirements and be traceable to the specific equipment used for testing. |
| | QA 03 ITAR DoD Rated Order DFARS | When ITAR, DFAR (Buy American/ Domestic Specialty Metals) or government rating data is noted on the PO, US Government restrictions must be followed. Any questions related to these provisions must be answered by A-Alpha Waveguide prior to the acceptance of the purchase order. |
| | QA 04 Confidentiality | All information in the contract must be held in confidence by the supplier and no third party request for information will be authorized unless instructed in writing by A-Alpha Waveguide. |
| | QA 05 Flow Down Requirements | Requirements for the supplier to flow down to their sub tier suppliers the applicable A-Alpha Waveguide purchasing documents, including material test reports, SPC and FOD control processes where applicable |
| | QA 06 Right of Entry | In addition to A-Alpha Waveguide right of access, the supplier agrees to access for A-Alpha Waveguides customers, or regulatory agencies to all facilities at any level of the supply chain, involved in the order and to all applicable records in the purchase order. |

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| | QA 07 Contract Change | Any change to the contract requirements by the supplier must be approved by A-Alpha Waveguide in writing. Notify A-Alpha Waveguide of changes in product, and or processes, changes of suppliers, changes of manufacturing facility location and when required |
| | QA 08 First Article Inspection | Documented First Article Inspection per AS9102 shall be submitted to A-Alpha Waveguide prior to the beginning of production. The supplier assumes all responsibility for replacement, rework, and material when production of parts is begun without First Article approval. |
| | QA 09 Notice of Non-Conforming Product | Supplier must notify A-Alpha Waveguide of non conforming product. A-Alpha Waveguide may require approval of disposition non conforming material. |
| | QA 10 Late Shipments | Supplier must notify A-Alpha Waveguide of any delays in shipment as soon as the delay is known. |

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| | QA 11 Material Certifications | <p>Seller shall include with each shipment a Certificate of Conformance and/or Compliance that states that the parts and materials used in the manufacture of the goods furnished under this purchase order/contract were tested, inspected, and found to be in conformance with the applicable parts and material specifications. Seller shall provide a certification with each shipment to attest that the parts, assemblies, subassemblies, or detail parts conform to the Purchase Order requirements. Material suppliers must furnish foundry or mill lot, heat, batch, date code, on the certification. The certificate must contain the following information: Customer's Order number Part number Name and address of manufacturing or processing location Manufacturer's lot, heat, batch, date code, and/or serial number (if applicable) Quantity and unit of measurement (i.e. each, box, case, gallons, etc) Be signed and dated by an official of the company. The applicable material test results, process certifications and inspection records shall be presented upon Customer's request. Organization shall perform inspection, as necessary, to determine the acceptability of all articles under this Order. All articles submitted by Organization under this Order are subject to final inspection at Customer's plant.</p> |
| | QA 12 Special Processor | <p>Special process providers must furnish processing certifications per A-Alpha Waveguide purchasing documents and if specified must be approved suppliers per Boeing Approved Process Sources D-14426. Suppliers shall not supply materials for which they are not qualified.</p> |
| | QA 13 Casting Requirements | <p>Casting providers; ASTM B26/B, B618 and/or BS1490 Standards are applicable. Specific requirements for, foundry controls, control of customer supplied tooling, supplemental testing and factory surveillance will be included in the Purchase Order.</p> |

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| | <p>QA 14 Calibration Certificate/ Report of Test</p> | <p>Seller shall provide a certificate, report of test, or data sheet certifying the date, accuracy of standards used, and the environmental conditions under which the results furnished were obtained for each item calibrated under this purchase order/contract. Seller's certificate/report shall specify any conditions not otherwise compliant to the Seller's calibration system requirements.</p> |
| | <p>QA 15 Records - Inspection Record Retention</p> | <p>Seller and Seller's subcontractors shall maintain verifiable objective evidence of all inspections and test performed, obtained results, and dispositions of nonconforming articles. These records shall be identified to associated articles, including heat and lot number of materials, unit or lot serialization when applicable, and shall be made available for review to Buyer, authorized Buyer representatives, or Buyer's customer upon request. Unless extended retention requirements are specified elsewhere in this contract, records shall be retained by Seller in a safe, accessible location for a period for twenty (20) years following final subcontract payment. Anytime during or after the twenty-year retention period, records shall not be destroyed without Buyer's written concurrence. Seller shall notify Buyer of any activity at the Seller's facility that may impact the retention of these records. All records associated with this procurement shall be retained for 20 years after delivery or as directed by contract.</p> |

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| | QA 16 Shelf Life and Storage Controls | Seller shall label the limited shelf-life materials/parts specified in this purchase order/contract with the following minimum information: a) Manufacturer's Name, b) Government, Industry, or Buyer specification to which item is purchased including type and class, c) the date of manufacture or cure date, d) batch number, and, e) storage temperature. The materials/parts shipped under this purchase order/contract will arrive at the Buyer's facility with at least 75% of the specified shelf-life remaining. |
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| | QA 17 Counterfeit Goods |
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Seller shall not furnish to Buyer any Goods under this contract that are "Counterfeit Goods," defined as Goods or separately-identifiable items or components of Goods that:

- a) are an unauthorized copy or substitute of an Original Equipment Manufacturer or Original Component Manufacturer (collectively, "OEM") item;
- b) Are not traceable to an OEM sufficient to ensure authenticity in OEM design and manufacture;
- c) Do not contain proper external or internal materials or components required by the OEM or are not constructed in accordance with OEM design;
- d) Have been re-worked, re-marked, re-labeled, repaired, refurbished, or otherwise modified from OEM design but not disclosed as such or are represented as OEM authentic or new; or
- e) Have not passed successfully all OEM required testing, verification, screening, and quality control processes.

Seller shall implement an appropriate strategy to ensure that Goods furnished to Buyer under this contract are not Counterfeit Goods. Seller's strategy shall include, but is not limited to, the direct procurement of items from OEMs or authorized suppliers, conducting approved testing or inspection to ensure the authenticity of items, and, when items are to be procured from non-authorized suppliers, obtaining from such non-authorized suppliers appropriate certificates of conformance that provide one or more of the following:

- a) The OEM's original certificate of conformance for the item;
- b) Sufficient records providing unbroken supply chain traceability to the OEM; or
- c) Test and inspection records demonstrating the item's authenticity.

Counterfeit Goods delivered or furnished to Buyer under this contract are deemed nonconforming. If Seller becomes aware or suspects that it has furnished Counterfeit Goods to Buyer under this contract, Seller promptly shall notify Buyer and replace, at Seller's expense, such Counterfeit Goods with OEM or

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| | QA 18 Prohibited Materials | <p>The use of any materials listed herein is expressly prohibited. Any exception to these prohibitions must be approved in advance by the Buyer in writing: a) Pure unalloyed tin in the construction and surface finish of hardware (tin alloys with less than 97% tin purity are acceptable). b) Cadmium or zinc in the construction and surface finish of space hardware (cadmium alloys or zinc alloys (e.g. brass) must be completely over-plated with an approved metal). Raw Materials Test Results and/or plating certificates - Seller shall include with each shipment the raw material manufacturer's test report (i.e., mill test report, plating certificate) that states the name and address of the mill or plater and that the lot of material furnished has been tested, inspected, and found to be in compliance with the applicable material specifications. a) 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. 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. c) If Seller supplies converted material produced by a raw material manufacturer, Seller 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. d) The data submitted must reflect the condition of the material as offered for delivery and is in addition to the raw material manufacturer's test report required above.</p> |
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| | <p>QA 19 Material Substitution Prohibition:</p> | <p>Unauthorized material substitutions are not permitted on Buyer's Goods. Unauthorized material substitution includes any deviation from the engineering definition of a raw material. Engineering definition includes Buyer design drawing and applicable specifications, product specification, form, size, shape, chemistry, melt method, origin, temper/condition, product testing or surface finish. Alternate materials specified in the engineering definition (and often described as approved material substitutions therein) do not constitute unauthorized material substitution. Terms and definitions for metallic materials and processing used herein are clarified in ARP1917. Contact Buyer's Authorized Procurement Representative for details regarding deviations to authorized materials</p> |
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| Applicable | Requirement | Provisions |
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