☐ Q1a Quality Management System Requirements

The Supplier shall implement and maintain a Quality Management System that complies with the current version of ISO 9001 or an equivalent system that provides adequate inspection to verify that the product supplied is in full compliance with the purchase order requirements and all applicable specifications. Compliance with these requirements is subject to audit by Kratos. The Supplier shall flow down the applicable requirements in the purchasing documents to sub-tier suppliers, including key characteristics, where required. A copy of the current certification may be requested by Kratos. The Supplier shall immediately notify Kratos of any subsequent changes to their third-party registration status including but not limited to if Supplier subsequently changes registration bodies, loses its registration status, or is put on notice of losing its registration status.

☐ Q1b Quality Management System Requirements

The Supplier shall implement and maintain a Quality Management System that is certified to the current version of SAE AS 9100 requirements for aviation, space, and defense organizations.

☐ Q2 Right of Entry

Kratos reserves the right to review control methods and inspect material included in this order at the Supplier's plant and at any sub-tier plant. Access rights shall be extended to our customer and Government or Regulatory Agency representatives.

☐ Q3 Material Review Board (MRB) Authority

The Supplier shall notify Kratos Quality Assurance of any "use as is" or "repair" non-conformances to the requirements of this order. “Use as is" and "repair" dispositions shall be submitted to Kratos prior to implementation. Suggested dispositions, identification of the cause of non-conformance, and the corrective actions taken shall be submitted in writing. Further work shall not be performed until directed by Kratos in writing.

☐ Q4 Certificate of Conformance (CofC)

Supplier shall provide a CofC with each shipment to attest that the parts, assemblies, subassemblies, or detail parts conform to the manufacturing quality requirements and to the terms of the contract/purchase order. Certifications must contain the following information: contract/order number; part number and revision (if applicable); name and address of manufacturing or processing facility; manufacturing line designation; material identification, e.g., manufacturer’s lot, serial number, part number, manufacture date, batch code (where applicable); quantity shipped; raw material certification test results (as required); signed and dated by an official of the company. Supplier shall notify the Buyer of nonconforming processes, products, or services and obtain approval for their disposition.

☐ Q5 Configuration Management

Supplier shall maintain a Configuration Management System that effectively controls the product and/or process baselines. Kratos may elect to review the effectiveness of the Supplier’s Configuration Management System.

Supplier shall notify the Buyer immediately of any changes to the characteristics or configuration of the product and/or processes used to manufacture the product. When required, the Supplier shall obtain written approval of changes from Kratos.

☐ Q6a Electrostatic Discharge (ESD) Program

The Supplier shall have procedures for protection of ESD-sensitive devices during all phases of handling, packaging, storage, and testing. The Supplier’s ESD Program shall be in accordance with MIL-STD-1686, MIL-HDBK-263, ANSI/ESD S.20.20, or a Kratos-approved equivalent.

☐ Q6b ESD Labeling

Labels shall be affixed to each package or container identified as “ESD Sensitive”.

☐ Q6c ESD Handling and Packaging

All electronic component parts shall be packaged such that they are kept from detrimental physical contact with any other component. Only ESD-approved protective material will be used. Pink poly is not to be used in packaging ESD sensitive material. Tape without an ESD symbol will not be used to seal ESD bags.

☐ Q9 Soldering

All soldering will be accomplished and inspected by operators certified to J-STD-001 and IPC-A-610 or other standards required by the drawing or Purchase Order. Evidence of training shall be provided to Kratos, upon request.

☐ Q10 Packaging/Handling

When specific packaging has not been referenced or defined in the Purchase Order and/or drawing, the Supplier shall package parts, components, materials, assemblies, etc. in a manner as to prevent damage during the course of shipment and subsequent storage at Kratos.

☐ Q11 Limited Shelf-Life Material

The vendor shall have an established and documented Shelf-Life Control Program that ensures time-sensitive material used in the production of parts identified in the Purchase Order are within their useful life span. All expired shelf-life material will be promptly removed from the production floor.

☐ Q12a First Article Inspection

A First Article Inspection Report shall be required when the first production units are manufactured. The report shall include all drawing characteristics and notes, required tolerance range, actual measurement results, and where physical testing is required, the results of the test(s).

☐ Q12b SAE AS 9102 First Article Inspection

The Supplier shall be required to perform First Article Inspection on all items under this contract, per the guidance of SAE AS 9102, First Article Inspection Requirements.

☐ Q13 Source Inspection

Kratos will inspect the material submitted on this Purchase Order at the Supplier's facility. Source inspection approval or acceptance by the Kratos Quality Representative shall not constitute final approval or acceptance by Kratos of the items covered by this Purchase Order, nor shall it relieve the seller of their responsibility to furnish acceptable product.

☐ Q14 Government Inspection

Government inspection is required prior to shipment from the Supplier’s plant. Upon receipt of this order, the Supplier must promptly notify the Government representative who normally serves the Supplier’s plant.

☐ Q15 Test Reports

In the event that Kratos requires testing to be complete, the Test Reports shall be made available upon request. Test Reports shall be legible and contain actual test results that are identifiable with the test parameters and product submitted. These reports must contain the Test/Inspection Stamp of the individual performing the task, or the signature and title of the authorized representative of the agency performing the test.

☐ Q16 Special Process Validation

A Special Process is defined as a process that cannot be completely verified through inspection or non-destructive testing; therefore, the process itself must be verified/validated prior to performance. Training is also an important consideration related to verifying Special Processes.

The Supplier shall provide process control and validation information related to any Special Processes used, when requested. Special Processes can include the following:

- Soldering
- Silk-screening
- Marking
- Chemical treatment of metals
- Painting
- Plating

☐ Q17a Quality Records (Applies to all Purchase Orders)

All Quality Records (including Test Reports) are to be legible, reproducible, and identifiable to the Purchase Order. Quality Records are to be stored and maintained in such a way that they are readily retrievable in facilities that provide a suitable environment to minimize deterioration or damage and to prevent loss. This applies to Suppliers and any lower-tier suppliers. The retention period for Quality Records is three (3) years unless otherwise specified. Kratos, our Customers, the Government, or Regulatory Agency Representative shall have access to review Quality Records as they pertain to this order.

☐ Q17b Control of Records

The Supplier shall maintain records in accordance with SAE AS 9100 for all product inspections and tests for a period of seven (7) years, except where noted. The Supplier shall make these records available or accessible to representatives of Kratos' organization, customers, or regulatory agencies upon request. Records shall include, but are not limited to the following:

- Receiving/Receiving Inspection Results
- First Article Inspection Results
- In-Process and Final Inspection Results
- Traceability and Serialization – ten (10) years
- Measuring Equipment Calibrations
- Manufacturing Plans
- Quality Plans
- Material Test Reports (for verification of critical items and raw materials, as specified in the Purchase Order)
- Process Validations (including special and critical certifications)
- Test Data of Qualifications
- Functional, Interchangeability, and Acceptance Tests performed
- Employee Training documentation
- Any other applicable Inspection Records

The Supplier shall notify the Buyer prior to destruction of any records relative to this Contract/Purchase Order.

☐ Q18 Calibration

All test equipment used for acceptance of deliverable products under this Purchase Order are in calibration and are so certified by a recognized laboratory prior to acceptance testing. The certifying laboratory shall comply with ANSI/ASQ Z540.1 or ISO 10012 (as well as standards traceable to NIST) is required. If a Z540.3 calibration is required by contract, the calibration vendor will be notified.

☐ Q19 Counterfeit Parts

1. The Supplier shall maintain a documented Material Authenticity program in accordance with AS5553, Counterfeit Electronic Parts, Avoidance, Detection, Mitigation, and Disposition (current version) as well as SAE AS 6174, Counterfeit Material; Assuring Acquisition of Authentic and Conforming Material (current version).
2. The Supplier shall not misrepresent used or reclaimed parts as new.
3. The Supplier shall comply with original manufacturer's handling, storage, and shipping procedures.
4. The Supplier shall provide to the Buyer all necessary Certificates of Conformance and Acquisition Traceability (CoC/T) to the OEM/OCM.
5. The Supplier shall be subject to liabilities and penalties associated with providing fraudulent/counterfeit product.
6. The Supplier shall maintain a documented system to ensure no delivered parts are counterfeit.
7. The Supplier shall be a member of the Government/Industry Data Exchange Program (GIDEP) to be used for monitoring potential counterfeit parts and reporting suspect counterfeit parts.

☐ Q20 Marking

Supplier shall clearly mark parts using vendor standard processes or Kratos-specified processes. Unique serial numbers will be assigned, as required.

☐ Q21 Receiving Inspection

Any and all material (i.e., materials [raw stock], parts, components, assemblies) shipped against this Purchase Order is subject to Receiving Inspection at Kratos.

☐ Q22 Returned Material Authorization (RMA)

Supplier shall establish and maintain a RMA System that ensures prompt repair and return of defective product returned to the Supplier. The Supplier shall provide repair data to Kratos with each repaired item.

☐ Q23 General Workmanship

Unless otherwise specified (i.e., drawing requirements, specifications, purchase order) material shipped against this Purchase Order shall be free of dents, gauges, burrs, scratches, sharp edges, foreign matter, or any other evidence of poor workmanship standards that shall create a condition that renders said part unsatisfactory for its intended use.

☐ Q24 Flow Down Requirements

The Supplier shall flow down any Quality Clauses on this PO, to sub-tier suppliers that are performing critical parts of the work.

☐ Q25 Specialty Metals

The Supplier shall certify that items being delivered conform to DFARS 252.225.7014 (Deviation 2008-00002) and its Alternate I (Deviation 2008-00002) requirements for compliance of Specialty Metals.

☐ Q26 Restriction of Hazardous Substances (RoHS)

When supplied documentation specifies, the Supplier shall certify that items being delivered conform to the current EU RoHS directive.

☐ Q27 Quality Inspections

All deliveries under this Purchase Order will be 100% inspected by an independent Quality Assurance Representative. Records of these inspections will be made available upon request.

☐ Q29 Compliance to and Control of Drawings

This Purchase Order or Subcontract requires adherence to the attached drawings or specifications. Verification of compliance to the required drawings or specifications must be shown.

☐ Q30 Compliance with a Statement of Work (SOW)

Requires adherence to a SOW.

☐ Q31 Control of Customer (Kratos)-Supplied Material or Government Property (GP)

The vendor shall have a documented process detailing how Contractor-Furnished Equipment (CFE) and/or Government-Furnished Equipment (GFE) are controlled.

☐ Q32 Pure Cadmium, Zinc, or Tin

All constructions and finishes containing pure cadmium, or pure zinc, are prohibited. In addition, constructions and finishes containing pure tin are prohibited unless they contain a minimum of 3% lead (Pb) by weight.

☐ Q33 Calibration Certificate Required

A current Calibration Certificate will accompany all shipments containing test equipment. Certificates will include the standard that the lab operates to (i.e., 17025, Z540.1, Z540.3), the producer used to perform the calibration, and the equipment used for the calibration.

☐ Q34 Foreign Object Damage

The vendor shall maintain a Foreign Object Damage Prevention Program. The program shall be complaint with AS9146 if Q1b is assigned, or NAS412 (or equivalent) if Q1a is assigned.

☐ Q35 Kratos Custom Material Cosmetic Surface Conditions

The vendor shall adhere to IN-001-WI05 Kratos Custom Material Cosmetic Surface Conditions. Vendors may access the work instruction at https://www.kratosspace.com/products/support/compliance-documents.