

001. **Quality System:** The supplier shall maintain a Quality System that is in compliance with ISO 9001, AS9100, or NADCAP AC7004 Inspection & test Quality System. Evidence of a recent Quality Manual must be produced if required.
002. **Supplier Control:** Suppliers shall conform to drawings and specification requirements. Suppliers system shall assure flow-down of all applicable quality and technical requirements, capabilities to produce hardware and adequate methods of assuring compliance. Suppliers shall ensure all flow-down of quality and technical requirements to sub-tier suppliers.
003. **Sub-Tier Supplier Approval:** The supplier CANNOT subcontract to a lower-tier facility without prior written approval from EG3 unless the sub-tier is approved by our customer. (This is for the customer for whom work/process is being performed).
004. **System to Control Processes:** Seller is responsible for maintaining a system to control processes under this order at their facilities and processes performed at lower tier sub contractors. Seller shall perform systematic, periodic evaluations of equipment, methods and material required in performance of processes to assure positive control. Seller shall perform on-site surveys of subcontractor processes prior to initial performances of process activity and no later than every two years there after unless otherwise specified in this order.
005. **Calibration System:** The supplier shall have a calibration system which meets the requirements of MIL-STD-45662 or ISO 17025.
006. **Acceptance Test Procedure:** The supplier shall develop a separate detailed test procedure which encompasses the final acceptance/verification requirements of the specification(s) listed in the purchase order. This acceptance Test Procedure, and subsequent changes, shall be approved by EG3 Product Assurance prior to use.
007. **Special Process Certification:** Suppliers engaged in the performance of special processes activity include but not limited to, Radiography, Ultrasonic, Magnetic Particle, Liquid Penetrant, Eddy Current, Heat Treat, Welding, Soldering, Chemical Conversions, Plasma Spraying, Plating, Physical Destructive Testing, Potting and Molding, Conformal Coating, Environmental Testing, Priming and Painting etc. Must submit an applicable procedure to EG3 for approval prior to the initiation of production efforts.
008. **Special Process Re-Certification:** The supplier shall be responsible for any and all certification expirations. The Supplier shall notify EG3 6 months prior to certification expiration due dates so a survey can be initiated from EG3 customers.
009. **Government Inspection:** Government Inspection is required prior to shipment from your plant. Upon receipt of this order, promptly notify the Government Representative who normally services your plant so that appropriate planning for Government Inspection can be accomplished. The QAR shall be notified 48 hours in advance of the time hardware and materials are ready for Inspection or Test. The supplier shall furnish copies of purchasing documents to the QAR upon his request. In the event the QAR cannot be located, our purchasing agent should be notified immediately.

- 010. 100% Inspection:** The supplier shall perform and record 100% inspection of all measurable characteristics (attribute data) for each part I.A.W drawing & specifications. This data shall be submitted to EG3 and include allowable tolerance limits, actual measurements' and instrument used including an identifying number for the instrument.
- 011. First Article Inspection-AS9102:** The supplier shall maintain internal processes for the accomplishment of each First Article Inspection (FAI) in accordance with AS9102, latest revision. FAI's are to ensure delivered hardware is in compliance with requirements of the purchase order. If the supplier has delivered acceptable first article of the same configuration to EG3 within 12 months the requirement is waived. The First Article Inspection Report must accompany the shipment.
- 012. Documentation Maintenance:** The supplier shall retain objective evidence of the hardware of the (manufacturing, assembly, inspection and special process records) for 10 years after the contract / PO is complete. These records shall be made available to EG3 upon request.
- 013. Life limited/Age Control:** All items with limited shelf life shall be clearly marked with the manufacture's name, type of material, shelf life date of manufacture and usability limiting date. A minimum of 50% of shelf life must be remaining on all items on this order. If items have no shelf life limitations, supplier shall so state in shipping documents.
- 014. Material Control:** Submit with each shipment one reproducible record of Actual chemical and or physical analysis and a certification of conformance to the applicable material specifications. The certification shall contain a list of the specification (s) including a revision letter(s) and identification by Heat, lot, or Melt number. If material is supplied by EG3, a copy of EG3 shipping document must accompany your return shipment to EG3 along with a certification that all hardware was procured from the material supplied by EG3. In either case all certifications must be dated and signed by an official of your organization. ALL unused material (including any drop) supplied by EG3 must be returned to EG3 identified with Purchase Order number and material type unless otherwise directed by EG3 buyer. In all cases, drops, open bundles etc. shall have markings on actual material. If banded then a single label shall suffice.
- 015. Packaging:** The supplier's Quality Control organization shall be responsible for ensuring that hardware/items of this procurement are packaged in such a manner the dimensional integrity is preserved, contamination and corrosion are prevented, and no physical damage occurs or, when specified, that packaging is in accordance with the applicable Packaging, Handling, Storage, and Transportation (PHS&T) and requirement documentation cited in and attached to the order.
- 016. Solder-ability:** Acceptance of materials procured by this purchase order will be predicated upon compliance with criteria for solder-ability testing as set forth in MIL-STD-202, Method 208; MIL-STD-750, Method 2026; MIL-STD-883, Method 2003 as applicable or IPC-A-610 electrical assemblies, IPC-A-620 wire harness, J- STD-001 soldered electrical and electronic assemblies.
- 017. Mercury Contamination:** Materials furnished by the supplier shall not contain mercury compounds and shall be free of mercury contamination. Materials furnished should not have come in contact with any mercury or mercury compounds or with mercury containing devices/equipment. Supplier shall issue a Mercury Free statement on Suppliers C of C.

018. Electrostatic Discharge Control: The supplier shall be responsible for assuring that all hardware produced, handled and packaged is I.A.W DOD-STD-1686, DOD-HDBK-263 Class 2 or AFLCR 65-8 ESD program.

019. Foreign Object Debris/Damage (FOD) Prevention: The supplier shall maintain a FOD Program. Supplier's FOD prevention program shall include the review of design and manufacturing processes to identify and eliminate foreign object entrapment areas and paths through which foreign objects can migrate. Supplier shall ensure work is accomplished in a manner preventing foreign objects or material in deliverable hardware. Supplier shall maintain work areas and control tools, parts and material in a manner sufficient to produce the risk of FOD incidents. Supplier shall document and investigate each FOD incident and ensure elimination of the cause of each such incident.

Supplier FOD prevention program shall contain the following:

- A. Identify a FOD control person responsible for implementing FOD prevention, awareness and training.
- B. Shall include periodic self assessment of its internal FOD prevention practices and measure effectiveness of program compliance to requirements.
- C. Shall provide annual FOD training to its employees.
- D. Shall have guidelines for closing inaccessible or obscured areas and compartments during assembly for the prevention of FOD entrapment.
- E. Shall have a method to flow down these requirements to sub-tier suppliers.
- F. Delivery of product shall be deemed as delivered FOD free.

020. COTS Requirement:

This requirement applies to Non-Commercial Off The Shelf (COTS) items only. Seller agrees that the work produced internally and/or the work procured from sub-tier suppliers under this contract shall comply with the following requirements unless a documented request for change is approved by the EG3 Procurement Representative.

1. Work shall not be moved from the original location of manufacture to another location of manufacture within a production facility or to any other production facility.
2. Where first article inspection is required, work shall not be moved from the original location where the Work was produced at the time of first article inspection acceptance.
3. No changes shall be made to the design, manufacturing processes, materials or activities that affect fit, form or function.
4. A fit, form or function analysis shall be performed documented, and included with any request for change.
5. A documented process shall be in place to review, identify and submit a request for changes to the EG3 Procurement Representative.

A documented request for change shall be submitted to the EG3 Procurement

Representative 30 days prior to planned implementation. The change will not be implemented unless approved by the EG3 Procurement Representative.

021. **The Government has the right:** to perform Government Quality Assurance at the Supplier's plant as may be necessary to determine contract requirements on all supplies or services included in this contract.
022. **Customer Right of Inspection:** EG3 customer has the right to inspect any or all work included in this contract at the supplier's facility.
023. **Certificate of Compliance:** The Supplier shall specifically sign and certify that all parts, materials, processes, and finished items supplied under this contract were inspected, tested, and found to comply with the requirements of this order. ***A separate C of C per Purchase Order line item is required.** Inspection and test data shall be maintained and are subject to EG3 examination. All applicable drawing and/or specifications and their revision level shall be referenced. Lot codes, serial numbers, name of business and address will be included. The supplier shall hold record of such for a minimum of seven (10) years if not otherwise specified.
024. **Customer Mandatory Source Inspection:** Source inspection by EG3's customer is required on this contract.
025. **EG3's In-Process Source Inspection:** All work performed under this contract requires in-process EG3 source inspection. Notify the EG3 buyer as work planning is identified and seventy-two (72) hours prior to product work initiation and seventy-two (72) hours prior to final inspection being performed for possible in-process and final source inspection requirements. Evaluation of personnel, equipment, methods, and items may be concluded to determine compliance to the contract requirements.
026. **EG3 Final Source Inspection:** All work performed under this contract requires EG3 inspection and test verification at the Supplier's facility. Notify the EG3 buyer at least seventy-two (72) hours in advance of the item being ready for final source inspection.
027. **Qualified Products Requirements:** Parts shall be procured only from manufacturers (or their authorized distributors) that are listed on the Qualified Products Lists (QPL's).
028. **Inspection and Test Plan:** An inspection and test plan for control of articles furnished in accordance with the Purchase Order shall be prepared and specifically written to outline the product flow from receipt of materials through fabrication, assembly, and test operations. The plan shall define the inspection points throughout the manufacturing sequence and describe the inspections. A general description of procedures and records used will be adequate. Two (2) copies of the plan shall be forwarded to the buyer before work described begins unless otherwise specified.
029. **Particle Impact Noise Detection (PIND) Testing:** All microcircuit and semiconductor cavity devices shall be PIND tested in accordance with Method 2020 of Mil-Std-833 (microcircuits) or Method 2076 of Mil-Std-750 (semiconductors). All acceptable parts shall be marked with a blue dot of ink conforming to Mil-I-43553.

030. Hazardous Material Data: A Safety Data Sheet shall be provided with hazardous material when delivered to EG3.

The hazardous material shall be labeled with:

- a. Chemical name, common name, or trade name
- b. Appropriate hazard warnings including exposure health hazards and first aid and emergency procedures.
- c. Name, address, and phone number of the manufacturer or other responsible party.

031. Certificate of Transportability: The subject hazardous material shall be certified to be air transportable as delivered to EG3 or shall state what additional actions are required to make it air transportable. The Department of Transportation classification number (UN xxx, NA xxx, etc.) shall be provided on the item's container or in supplied date that accompanies the item.

032. Nadcap Approved Sources: EG3 requires special processing by a Nadcap Approved Source, the supplier must ensure they are within the scope of the work and their certificate is within date during work performed on EG3 hardware.

033. Counterfeit item risk process: Seller shall maintain a Counterfeit Item risk mitigation process internally and with its suppliers using SAE AS5553 and AS6174 as guidelines.

Seller shall flow down to, and ensure compliance with the requirements of this Q-Note by, lower tier suppliers providing items for delivery to EG3 Technologies under this order.

Seller shall provide evidence of the Seller's risk mitigation process to the EG3 Technologies Purchasing / Buyer upon request.

Seller and Seller's sub-tier suppliers that are allowed access to the US Government Industry Data Exchange Program (GIDEP) shall participate in monitoring GIDEP reports and the Seller shall act on GIDEP reports that affect product delivered to EG3 Technologies

The Seller shall issue a GIDEP report when suspect or confirmed counterfeit item(s) associated with this Purchase Order are discovered and ensure suspect counterfeit items are not delivered to EG3 Technologies.

Seller shall immediately notify EG3 Technologies with the pertinent facts if the Seller becomes aware or suspects that items delivered in accordance with the EG3 Technologies Purchase Order are or contain suspect or confirmed counterfeit items.