

## AC Incorporated Quality Clauses

001. **Quality System:** The supplier shall maintain a Quality System that is in compliance with ISO 9001:2000, AS9100, MIL-Q-9858A or NADCAP AC7004 Inspection & test Quality System. Evidence of a recent Quality Manual must be produced if required. (Recent is within the last 5 years from the revision date of this Clause) 7-01-2009
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 AC Incorporated 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. **Lockheed Martin's QCS-001:** Processes being performed on this order are directly related to a Lockheed Martin Purchase Order. Therefore the supplier must be listed in Lockheed Martins QCS-001 supplier data base as an Approved Supplier for each process listed. **(PMS purchasing system business list)**
006. **D6-82479 Boeing Quality System:** Seller is required to maintain a Quality System in compliance with Boeing document D6-82479, BQMS Requirements for Suppliers and Appendix B to such document as each may be amended from time to time. AC Incorporated/Boeing reserves the right to conduct surveillance at seller's facility to determine that Seller's Quality System meets the requirements as set forth herein. A copy of Boeing Document D6-82479, BQMS Requirements for Suppliers, including all appendices and addenda can be obtained at the following website;  
<http://www.boeing.com/companyoffices.doingbiz.supplier/>
007. **Calibration System:** The supplier shall have a calibration system which meets the requirements of MIL-STD-45662 or ISO 17025.
008. **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 AC Incorporated Product Assurance prior to use.
009. **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 AC Incorporated for approval prior to the initiation of production efforts.

0010. **Special Process Re-Certification:** The supplier shall be responsible for any and all certification expirations. The Supplier shall notify AC Incorporated 6 months prior to certification expiration due dates so a survey can be initiated from AC Incorporated customers.
0011. **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.
0012. **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 AC Incorporated and include allowable tolerance limits, actual measurements' and instrument used including an identifying number for the instrument.
0013. **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 AC Incorporated within 12 months the requirement is waived. The First Article Inspection Report must accompany the shipment.
0014. **Documentation Maintenance:** The supplier shall retain objective evidence of the hardware of the (manufacturing, assembly, inspection and special process records) for 7 years after the contract is complete. These records shall be made available to AC Incorporated upon request.
0015. **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.
0016. **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 AC Incorporated, a copy AC shipping document must accompany your return shipment to AC along with a certification that all hardware was procured from the material supplied by AC. In either case all certifications must be dated and signed by an official of your organization. ALL unused material (including any drop) supplied by AC must be returned to AC identified with Purchase Order number and material type unless otherwise directed by AC buyer.
0017. **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.

0018. **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.
0019. **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.
0020. **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.
0021. **Electrostatic Discharge Control:** The supplier shall be responsible for assuring that parts are procured, handled and packaged I.A.W ESD DOD-STD-1686, and DOD-HDBK-263 Class 3 or AFLCR 65-8 ESD program.
0022. **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.
0023. **Lockheed Martin's Special Process Approvals:** Processes being performed on this order are directly related to a Lockheed Martin Purchase Order. Therefore the supplier must be listed in Lockheed Martins supplier data base as an Approved Supplier for each process listed. **(CPS, purchasing system business list)**

**0024. Lockheed Martin's COTS Requirement:**

TCR821 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 Lockheed Martin 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 Lockheed Martin Procurement Representative.

A documented request for change shall be submitted to the Lockheed Martin Procurement Representative 30 days prior to planned implementation. The change will not be implemented unless approved by the Lockheed Martin Procurement Representative.