



## ANTCOM CORPORATION

# Antcom QA Notes Required to All Vendors

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- 1) First Article Inspection (FAI) shall be done per AS9102 Standard
  - 1.1) First article inspection is required under any of the following conditions
  - 1.2) When a part is manufactured for the first time
  - 1.3) Any material or process change. Includes changes to raw material supplier, material specification, or special processes
  - 1.4) Change in manufacturing location. Moving to a different facility, building, or production line
  - 1.5) Change in manufacturing method. Any changes to CNC programs, tooling, fixtures, or forming methods
- 2) Screws and Stainless Steel Material shall meet the requirements specified in DFARS 252-225-7009/DFARS 225.872-1.
- 3) Connectors/Adapters/Cables shall meet Mil-PRF-39012/55339, Cables and wire harnesses assemblies shall be compliant with a minimum of IPC/WMHA-A-620 Class 2 unless otherwise stated on PO.
- 4) Pick/Place shall meet JESD-625, ANSI/ESD-S20.20, IPC JSTD-001 Minimum of Class 2, IPC-A-610 Class 2. No usage of Flux.
- 5) Printed Circuit Board (PCB) shall meet IPC-A-600.
- 6) Aluminum Material shall be Al6061-T6 per ASTM-B-221.
- 7) Parts shall be compliant with 2011/65/EU (RoHS) unless otherwise stated on PO
- 8) All nickel plating (EN) shall be plated per MIL-AMS2404/AMS2404 Class 4
- 9) Parts shall be manufactured per part number, Rev # on PO and attached Drawing.
- 10) Certificate of Compliance (C of C) shall specify all Materials/Processes/Specs/Standards/Certs used to make the parts.
- 11) All parts shall meet FOD requirements, and must be cleaned, free of dirt, oil, or any lubricant compound before shipping.
- 12) Part #, PO #, Revision and Date are required on the label outside shipping boxes.
- 13) Packaging: Scratch-Dent-Damaged Proof at 1ft Box-Drop.
  - 13.1) All LNA's shipped to Antcom must be in resealable ESD bags with desiccant Moisture Absorbers/Indicators inside. ESD warning sticker must be visible on the outer box.
  - 13.2) Antenna Element Vendors/PCB Fab Houses: shipped to Antcom must be in resealable ESD bags with desiccant Moisture Absorbers/Indicators inside.
  - 13.3) Nickel Plated housings must be handled at all times using gloves and be shipped to Antcom in resealable ESD bags with desiccant Moisture Absorbers/Indicators inside.
  - 13.4) Painting Vendors: a) All antenna assemblies prior to painting must be cleaned with 90+% IPA on all surfaces and be handled using gloves at all times. b) Must comply with the requirements of correct color code, paint/primer type, thickness, and reference specification on
  - 13.5) Antenna painted parts shipped to Antcom must be in individual anti-static bubble bags.
- 14) If any build notes are found not matching the released Antcom data package, supplier shall notify Antcom of the discrepancy and await approval before proceeding with fabrication. This includes any verbal and/or email direction previously given by Antcom personnel.
- 15) All RG-XXX series cables shall comply with MIL-DTL-17 Rev J (di-electric must be PTFE)
- 16) Quality records shall be maintained in the archive for a period of no less than 7 years.
- 17) All changes in facility/Processing Equipment, Procedures, Locations, Source in Processing, Tooling, Product Configuration or Material shall be submitted to Antcom in advance for review and approval. No delivery or manufacturing is permitted until Antcom approval is granted.
- 18) Lead Free (RoHS) solder shall always be used unless specified on PO that lead solder is permitted

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- 19) Antcom, its Customers (as necessary) and Regulatory agencies have the right to access Supplier's Facility & Document System to support the validity of the quality notes.
- 20) Equipment/Tools Calibration must comply with ISO17025 & ANSI/NCSLZ540-1;
- 21) Adhesives, Solder wire RTV, Epoxies, Glues, Thread Locker, Sealant and Adhesives on Gaskets must have a minimum of 9 months of remaining shelf life upon receipt
- 22) Suspect/Counterfeit Parts avoidance, detection, mitigation and disposition must comply with requirement of AS5553 standard.
  - 22.1) Only new and authentic materials are to be used in all parts/products delivered to Antcom.
  - 22.2) No counterfeit or suspect counterfeit parts are used in goods delivered to Antcom.
  - 22.3) Documentation shall be made available that validates traceability to applicable authorized sources.
  - 22.4) Contractor shall ensure that these requirements are flowed down to their subcontractors and suppliers.
  - 22.5) Contractor shall maintain records identifying the original manufacturer and authorized source of all materials and shall disclose this information to Antcom upon request or in the event of a suspected counterfeit, legal inquiry, or quality investigation. Procurement from sources other than the original manufacturer or authorized distributors is not permitted without prior notification to and approval from Antcom.
- 23) Ultem machined/molded parts shall be shipped with C of A.
- 24) Conflict Minerals (3TG: Tin, Tantalum, Tungsten, & Gold) shall not originate from Democratic Republic of Congo & adjoining countries and should be DRC conflict-free.
- 25) All suppliers shall comply with the ITAR – U.S. Export Control requirements.
- 26) All suppliers shall comply with the requirements of FAR Clause 52.222-50, Combating Trafficking in Persons.
- 27) All suppliers shall notify Antcom immediately if there's a potential part(s) for obsolescence.
- 28) General Supplier Requirements as per SQR Q9000 section 3.0.

**PO Confirmation/Ship Date Must be E-mailed Back within the Same Business Day to [purchasing@antcom.com](mailto:purchasing@antcom.com)**

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