



ANTCOM CORPORATION

Antcom QA Notes Required to All Vendors



367 Van Ness Way, Suite 602. Torrance, CA 90501. Tel: (310) 782-1076. Fax: (310) 782-1086. E-mail: antennas@antcom.com

- 1) Stainless Steel Material shall meet the requirements specified in DFARS 252-225-7009/DFARS 225.872-1.
- 2) Screws shall meet MS Spec or DFARS 252-225-7009/DFARS 225.872-1 requirements.
- 3) Connectors/Adapters/Cables shall meet Mil-PRF-39012/55339, IPC JSTD-001, Guideline, note 1 above, and with Antcom's approved Solder Types. No usage of Flux.
- 4) Pick/Place and Soldering need to meet JESD-625, ANSI/ESD-S20.20, IPC JSTD-001, IPC-A-610 Class 3 and with Antcom's approved solder Types. No usage of Flux.
- 5) Printed Circuit Board (PCB) need to meet IPC-A-600.
- 6) Aluminum Material has to be Al6061-T6 per ASTM-B-221.
- 7) Chem Film needs to meet Mil-C-5541 Type I Class 3 for Yellow (except for item#156G w/ Type I Class 1A), Type II Class 3 for Clear (ROHS). Black Anodize to meet MIL-A-8625F Type II & III (Hard).
- 7a) All nickel plating (EN) must be plated per MIL-AMS2404/AMS2404 Class 4 ("NickelPlatingPainting.pdf" Procedure)
- 8) Parts must be manufactured per part number, Rev # on PO and attached Drawing.
- 9) Certificate of Compliance (C of C) must specify Materials/Processes/Specs/Standards/Certs used to make the parts.
- 10) All parts should meet FOD requirements, must be cleaned, free of dirt, oil, or any lubricant compound before shipping.
- 11) Part #, Item #, PO #, and Date are required on Big Vertical Label outside shipping boxes.
- 12) Packaging: Scratch-Dent-Damaged Proof at 1ft Box-Drop.
 - 12.1) 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.
 - 12.2) Antenna Element Vendors/PCB Fab Houses: shipped to Antcom must be in resealable ESD bags with desiccant Moisture Absorbers/Indicators inside.
 - 12.3) 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.
 - 12.4) Painting Vendors: a) All antenna assemblies prior to painting must be cleaned with acetone 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 http://www.antcom.com/documents/QA/Pages_4_from_Paint_Spec.pdf.
 - 12.5) Antenna painted parts shipped to Antcom must be in individual anti-static bubble bags.
- 13) On Site Source Inspection for Paint and Logo (as required).
- 14) Quality records shall be maintained in the archive for a period of no less than 7 years.
- 15) The Supplier shall maintain a quality management system that ensures adequate control of quality throughout the performance of this purchase order and demonstrate adequate process controls ensuring PO requirements can be met. Supplier compliance and/or certification to ISO 9001 or AS9100 or equivalent is preferred, but not mandatory.
- 16) Changes in facility/Processing Equipment, Procedures, Locations, Source in Processing, Tooling, Product Configuration or Material must need to submit Request for Deviation/Waiver to Antcom in advance for review and approval. No delivery is allowed during this process.
- 17) No Pure Tin (<3% Pb) solder unless otherwise specified in the PO.
- 18) 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.
- 19) Equipment/Tools Calibration must comply with ISO17025 & ANSI/NCSLZ540-1;
- 20) First Article Inspection (FAI) has to be done per AS9102 Standard if it is required on PO.
- 21) Adhesives, Solder wire RTV, Epoxies, Glues, Thread Locker, Sealant and Adhesives on Gaskets must meet at least 75% 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 Contractor shall only purchase materials or goods from authorized sources.
 - 22.4 Documentation shall be made available that validates traceability to applicable authorized sources.
 - 22.5 Contractor shall ensure that these requirements are flowed down to their subcontractors and suppliers.
- 23) Ultem machined/molded parts must be shipped with C of A.
- 24) Conflict Minerals (3TG: Tin, Tantalum, Tungsten, & Gold) must not be coming from Democratic Republic of Congo & adjoining countries and should be DRC conflict-free.
- 25) Must comply with the ITAR – U.S. Export Control requirements.
- 26) Must comply with the requirements of FAR Clause 52.222-50, Combating Trafficking in Persons.
- 27) Must 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

APPROVED BY:

LARRY DISONGLO
QA MANAGER

ROGER ROA
OPS/MATERIALS MANAGER