



**Quality Assurance Requirements
(QAR)
Document Number P-P-0006**

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GENERAL INFORMATION

Ace Aeronautics purchase order quality requirements (QAR's) are specific directions to suppliers that must be complied with for shipments to be accepted and processed for payment. **Applicable QAR's are shown on the purchase order.**

QUALITY ASSURANCE REQUIREMENTS (QAR)

QC1. Manufacturers Certificate of Conformance –

A Manufacturers Certificate of Conformance will be provided for each lot of material on this Purchase Order, which states that the product supplied meets all drawing, specification and purchase order requirements. The C of C shall reflect the part number(s) listed on the Ace Aeronautics purchase order, the production lot numbers, and shall be signed by an authorized representative of the manufacturer.

QC2. Test Reports – In addition to the manufacturer's certification, the supplier shall provide raw material certifications, special processing certifications (heat treat, plating, NDT etc.) and test reports for all the tests required by the drawing and procurement specification. Chemical and physical test reports are required and must provide lot, purchase order or other evidence of traceability to the material.

QC3 Raw Material Certification – Each lot of material must be accompanied by a legible and reproducible copy of the Raw Material Certification. The certification shall be from the Mill Source and lists the actual test values.

QC4 Raw Material Traceability – All items provided under this purchase order shall be traceable to raw materials used. Traceability and inspection records shall be made available upon request by Ace Aeronautics or customer representatives. Identification of raw materials used, shall include, as applicable, but not limited to, the following information – lot number, material type, specification, heat number, etc. In any case, supplier shall record sufficient identification information to adequately identify all material in such a manner that full traceability to raw materials is included.

QC5 DFAR Specialty Metals Clause – Parts must comply with DFARS 252.225-7003, DFARS 252.225-7008 and DFARS 252.225-7009

QC6 Mercury and Mercury Compounds – The supplier is responsible to ensure that the products supplied did not come into contact with mercury or mercury compounds during manufacturing subsequent processing.

QC7. Safety Data Sheet – Chemical manufacturers and Distributors must provide the SDS at the time of shipment for all hazardous material. One copy of the

SDS, for each product purchased, shall accompany the shipment.

QC8. First Article Inspection – A 1st article or first piece inspection report is required with shipment to Ace Aeronautics. The report shall reflect all drawing dimensions, test results, raw material chemical & physical test reports and special process certifications. AS9102 can be used for guidance and 1st article preparation.

QC9 Directed Source – This purchase order requires products to be produced by a specific manufacturer. Supplying parts that are manufactured by another manufacturer shall be cause for rejection.

QC10. Source Inspection – this purchase is subject to Ace Aeronautics or third-party customer inspection and acceptance prior to shipment from your facility. The supplier shall notify Ace Aeronautics to coordinate the appropriate parties and schedule the inspection 48 hours prior to the material being ready for inspection.

QC11. Government Source 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.

QC12. Shelf Life Limited Materials – Items or material with limited shelf life shall be identified with manufacture date, expiration date, and special storage and handling requirements and a minimum of 80% usable shelf life shall remain.

**ADDITIONAL QUALITY ASSURANCE
REQUIREMENTS (QAR) FOR FAA REPAIR
STATION**

FAA145-1. Commercial Grade Lot Traceability – Lot traceability is required. Supplier must identify item by part number, description, production lot number, manufacturers' heat number or batch number and the manufacturer's name. A unique lot/control number assigned by the manufacturer to the production lot provided that is traceable to all raw materials, processing and testing is mandatory. Mixed lots will be rejected.

FAA145-2. Single Lot – this item must be provided from a single manufacturer’s lot. Exceptions must be approved by the buyer prior to shipment. Receipt of multiple lots may be cause for rejection.

FAA145-3. Domestic Manufacture – unless otherwise specified in this purchase order, the products supplied must have been manufactured in the United States of America.

FAA145-4. Airworthiness Certification (FAA)

FAA145-5. Airworthiness Certification (MILITARY)

FAA145-6. Airworthiness Certification (Special)

FAA145-7. X-RAY Inspection – X-Ray Inspection report and film shall be included with each lot of material purchased

FAA 145-8 Calibration

Each article of measurement or test equipment on this purchase order requires a calibration certificate produced by the manufacturer/supplier or other ISO 17025 certificated calibration laboratory. Each calibration certificate shall list the calibrated equipment by part number, model number and serial number. Each certificate shall show or refer to calibration standards with NIST traceability. For articles with a 12-month calibration interval, ten calendar months of the interval will remain upon arrival at Ace Aeronautics. Articles with calibration intervals longer or shorter than 12 months shall have 80% of its interval remaining. Failure to meet these requirements is cause for rejection.

FAA 145-9 SHELF LIFE LIMITED MATERIALS

Items or material with limited shelf life shall be identified with manufacture date, expiration date, and special storage and handling requirements and a minimum of 80% usable shelf life shall remain.

FAA 145-10 Aircraft Wiring Products

Aircraft wiring on purchase orders not found in FAA Advisory Circular 43.13.18 Section 7 “Table of Acceptable Wires” must be accompanied by burn test data certified by the FAA or their representative to meet the requirements of 14 CFR Part 25 Appendix F Part I(a)(3). Failure to include this certification is cause for rejection.