



10235 Indiana CT Rancho Cucamonga, CA 91737
Phone: 909.980.8224 / Fax 909.944.5911

LIST OF QUALITY CODES

Each of the following codes that appear on the purchase order or request for quote is required. If the supplier cannot meet any of the requirements they must immediately notify ACI.

- Q1 QUALITY SYSTEM:** Supplier shall maintain a Quality Control System IAW MIL-I-45208 or equivalent and calibration of inspection equipment per ANSI Z-540-1 / ISO 10012.
- Q2 TRACEABILITY:** Traceability records must indicate that material supplied is of a single batch or manufacturing run and so identified by a lot / control number. If more than one lot is supplied, each must be separately packaged and identified.
- Q3 CERTIFICATE OF COMPLIANCE (C of C):** Supplier shall submit with each shipment a copy of a Certificate of Compliance "unique" to all procurement requirements of this Purchase Order. The detailed C of C shall, as a minimum, reference the A.C.I. Purchase Order and item numbers, quantity of each item, and the drawing and/or specification number including revision level for each.
- Q3a Supplier must flow** down to all sub-tier suppliers the applicable requirements from ACI purchasing documents, including key characteristics where required. Q3 also applies.**
- Q4 MATERIAL CERTIFICATION:** The Supplier shall submit a Certificate of Conformance for the material(s) specified on the P.O., drawing or specification. Supplier cert shall indicate that evidence of conformance is on file at their facility or at the place of manufacture and such evidence is available for review by ACI and its customers upon request.
- Q5 MATERIAL TEST REPORTS:** Each shipment must be accompanied by one (1) legible copy of reports of the original mill test report, identifiable to the material specification and material lots shipped. Material Test Reports must reflect conformance to the specified chemical values and mechanical (physicals) of the material specification noted by the ACI Purchase Order, specification or drawing. MTR's shall be verified/validated against all requirements of the material specification noted on the applicable drawing or standard, including quality code Q11.
- Q6 HANDLING/PACKAGING/ PRESERVATION:** The Vendor is required to assure that goods/materials supplied to ACI under this Purchase Order are packaged to provide protection against physical damage and/or contamination due to handling and/or transit activity. Materials that typically require the manufacture's protective coating or corrosion preventive bagging shall be supplied as such to ACI.
- Q7 MANUFACTURER'S C of C:** Each shipment shall include a legible copy of the true Manufacturers' Certificate of Conformance indicating traceability to the chemical and physical test data, lot number and applicable part number.
- Q8 HAMILTON SUNDSTRAND OR CUSTOMER APPROVED PROCESS SOURCES & CERTIFICATES:** All Hamilton Sundstrand or Customer part numbers requiring outside processing* shall be processed at a SUNDSTRAND or CUSTOMER APPROVED SOURCE, latest revision. [*i.e. Heat Treat, Anneal, Plating, Coatings, Passivation and NDT]. Actual process certs shall be submitted with shipment.
- Q8a SPECIAL PROCESS SOURCE CERTIFICATES:** All parts requiring outside processing [e.g., Heat Treat, Anneal, Anodize, Chem Film, Passivation, Plating, Surface Coatings, or NDT] shall be delivered with a copy of the actual process certs applicable to each shipment. NDT certs shall be signed by a minimum of a Level II inspector.
- Q9 FIRST ARTICLE INSPECTION REPORT PER AS9102:** Each shipment of parts shall be accompanied by one (1) legible copy of the actual measurements taken for each dimensional attribute (including the applicable tolerance range for each dimension) shown on the drawing(s), standards or specifications for parts ordered by A.C.I.. As a minimum, this report shall also indicate that all applicable drawing NOTES have been satisfied, and include a direct reference to the lot traceability number of the material, our part number and include the applicable A.C.I. P.O. number(s). All supporting product certs must also be attached.
- Q10 COMPOUND TEST CERTIFICATE :** Supplier shall submit with each shipment a copy of the test results (e.g. specific gravity, shore hardness, chemistry notation, etc.) required by each specification for each different (plastic/elastomeric) compound and lot number supplied on this Purchase Order. This certificate shall also reference the A.C.I. Purchase Order number and full material description.



10235 Indiana CT Rancho Cucamonga, CA 91737
Phone: 909.980.8224 / Fax 909.944.5911

LIST OF QUALITY CODES

Each of the following codes that appear on the purchase order or request for quote is required. If the supplier cannot meet any of the requirements they must immediately notify ACI.

- Q11 MATERIAL VARIATION:** No alternate materials or specification shall be accepted in lieu of those that are specified unless written permission to use alternate specification or technically equivalent materials is received from the A.C.I. buyer
- Q11a Supplier will notify ACI** of any nonconforming product and or changes in product or process definition. Q11 also applies **
- Q12 MSDS:** A current Material Safety Data Sheet (MSDS) is required for each P.O. item. The MSDS must accompany each shipment.
- Q13 LIMITED LIFE MATERIALS:** Supplier shall identify each item, package or container of limited-calendar-life-material with the cure or manufacture date in addition to typical identification (i.e. name, part or code number, specification, type or size, quantity, etc.). All limited-calendar-life-material shall be supplied with a minimum of 85% remaining shelf life upon receipt of the material at A.C.I.
- Q14 QUALITY SYSTEM AS/ISO-9000:** Supplier shall provide a copy of the current AS/ISO-9000 series "Quality Systems Certificate" to be utilized for the supply of all products under this order.
- Q14a QUALITY SYSTEM FLOWDOWN:** Supplier shall be responsible for implementation and flowdown of the applicable content of the Collins Aerospace document ASQR-01 "AEROSPACE SUPPLIER QUALITY REQUIREMENTS", including the ASQR-01 Table of Contents page.
- Q14b SCOP01-01:** Pratt Whitney Canada General Requirements Apply to this purchase order.
- Q15 CALIBRATION TEST REPORTS:** Supplier shall submit one (1) copy of the calibration report representing results of the test(s) conducted for each individual item on this Purchase Order. The report shall indicate "actual" values for the test(s) conducted, and must identify the specific serial number of the unit / item tested. The report shall include the as-found condition of equipment prior to any necessary adjustments. REF: ANSI Z-540-1.
- Q16 SUPPLIER'S CATALOG/ PRODUCT SPECIFICATION:** Supplier shall provide written notification of all known changes in the product definition (product Data sheet(s), catalog page(s) and/or specification) for each item sold to Air Components Inc.. This notice may be submitted along with the item(s) on the Purchase Order at the time of shipment for the applicable purchased item(s).
- Q17 IDENTIFICATION OF GOODS & MATERIALS:** The Supplier is required to assure that goods/materials supplied to ACI under this Purchase Order are identified with the part number (s) & description(s) indicated on the P.O.
- Q18 ACI INSPECTION (RECEIVING):** Goods/ materials to be received by ACI shall Be subject to VISUAL receiving inspection. Inspection shall confirm that all part numbers and quantities are correct and recorded. Inspection shall also note the acceptability of the documentation received versus that which is required by ACI Q-codes. All received Q- code documentation shall be forwarded to the QA Manager for review prior to filing in the relevant part number acceptance file.
- Q19 ACI INSPECTION (RECEIVING):** The items received shall be subject to DIMENSIONAL inspection. Inspection shall confirm that key characteristics are measured and recorded. Inspection shall note the nature and number of observations made & the P.O. number on the ACI Inspection Record form.
- Q20 PRODUCT RECORDS:** The supplier shall maintain all supporting quality records for a minimum of ten (10) years from the date of shipment. At the end of this time, Air Components reserves the right to request such records under the terms used by the supplier for the supply of the records for newly purchased items.
- Q21 HARDNESS TEST RESULTS:** Items shall have hardness testing performed as specified by the supporting drawing or specification noted in the A.C.I. P.O. and/or the applicable Scope of Work (SOW). Hardness test values shall be lot traceable, reported in the scale shown in the drawing/specification and documented in writing on a test report or equivalent form that identifies the actual results & company who performed the testing.



10235 Indiana CT Rancho Cucamonga, CA 91737
Phone: 909.980.8224 / Fax 909.944.5911

LIST OF QUALITY CODES

Each of the following codes that appear on the purchase order or request for quote is required. If the supplier cannot meet any of the requirements they must immediately notify ACI.

- Q22 PERFORMANCE TEST RESULTS:** Items shall have the product performance testing performed as specified by the supporting drawing or specification noted in the A.C.I. P.O. and/or the applicable Scope of Work (SOW). Test values (e.g. spring rates, load tests, etc.) shall be reported in the scale shown in the drawing/specification and reported in writing on the test report or other form which identifies the company who performed the testing.
- Q23 PERISHABLE ITEMS:** Perishable items shall be accompanied by a product data sheet or similar document that fully describes the conditions necessary to maintain product integrity or the maximum available shelf life.
- Q24 MERCURY FREE PRODUCTS:** The supplier shall certify that the degree to which the parts to be purchased, may have been exposed to mercury or mercury compounds while manufactured or handle within their facilities.
- Q25 RIGHT OF ACCESS:** The supplier shall grant designated Air Components personnel and its customers right of access to all supplier facilities, involved in the order, including the right to review all applicable records.
- Q26 AIRWORTHINESS CERTIFICATE:** Supplier shall submit with each shipment a copy of the applicable airworthiness approval certs from the approved manufacturer or approved repair station. (e.g. FAA 8130-3)
- Q27 DFAR :** DFAR Clause 252.2257014 and alternate 1 thereto, entitled "preference for domestic specialty metals." This clause requires objective evidence that specialty metals incorporated into articles for delivery are in fact melted in the US, its possessions, Puerto Rico or melted in a qualifying country or incorporated into an article manufactured in a qualifying country listed in DFAR subsection 225.8721.
- Q28 Supplier will notify ACI** of any changes in product and/or process, changes of suppliers, change of manufacturing facility location and where required, obtain ACI approval.
- Q29 SUPPLIER** will flow down to the supply chain the applicable requirements including customer requirements.
- Q30 COUNTERFEIT PARTS** Supplier is required to maintain a counterfeit parts prevention parts program. Conforming to one of the following, AS9100 / AS5553 / AS6174
- Q31 SUPPLIER** is responsible for ensuring product conformity, safety and the ethical behavior in the business environment