

Alltec Integrated Manufacturing, Inc.  
Purchase Order Requirement Quality Clauses

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**ALLTEC GENERAL QUALITY CLAUSES DESCRIPTION:**

**QC100 QUALITY CLAUSES NOT REQUIRED**

Non shippable items, for Alltec internal use only.

**QC101 QUALITY SYSTEM SURVEILLANCE**

As an ALLTEC supplier, manufacturing a product requiring Alltec Customer and / or "Federal Aviation Administration" (FAA) approval, the Seller's "Quality Control System" shall be subject to surveillance by ALLTEC and the FAA.

**QC102 RIGHT OF ENTRY**

Allows ALLTEC, its customers and regulatory agencies the right of access, *through prior notification*, to determine and verify the quality of work, applicable quality records and materials at all facilities involved in the order.

**QC110 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO ALLTEC)**

FAI's shall be performed on all new or revised production manufactured items by seller at seller's facility. Results will be documented on a report identified as a "First Article Inspection Report" (FAIR). The identified first article unit and the FAIR will be sent to Alltec.

**QC111 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)**

FAI shall be performed on all new or revised production manufactured items by seller at seller's facility. Results shall be documented on a report identified as "First Article Inspection Report" (FAIR). The report will be maintained at the seller's facility, and be available for review by Alltec when requested.

**QC112 FIRST ARTICLE INSPECTION (FAI) BY ALLTEC AT SELLER'S FACILITY**

FAI and/or test shall be accomplished at the Seller's facility before the balance of order may be fabricated. ALLTEC will conduct or witness inspections and/or tests and the results will be on a report form identified as "First Article Inspection Report".

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**QC113 ALLTEC SOURCE INSPECTION**

Alltec inspection is required prior to shipment from your facility. Evidence of such inspection must be included in your packing documents accompanying each shipment. You must contact Alltec's purchasing and establish verification arrangements and the method of product release. Drawings, inspection/test documents, and specifications, as applicable, covering material on this order shall be available for inspection at your facility.

**QC114 DELEGATION - SUPPLIER VERIFICATION OF ALLTEC PRODUCT**

The supplier has met the requirements established by ALLTEC quality organization for the verification of Alltec product. Alltec's receiving inspection will perform quarterly inspections of product from delegated suppliers to ensure continued compliance to the conformance requirements.

**QC120 CRITICAL DIMENSION CONTROL**

The supplier must apply an hourly inspection plan on critical dimensions outlined by Alltec and supply a signed copy of the results with each shipment. The plan must be approved by Alltec Quality Assurance prior to the initial start of fabrication.

**QC121 STATISTICAL PROCESS CONTROL**

The supplier must apply Statistical Process Control (SPC) to this purchase order. A CPK of 1.33 or greater is required. Each shipment must be accompanied with a signed copy of the applicable SPC Control Plan(s). The Control Characteristic listed in SPC Control Plan shall be approved by Alltec Quality Assurance prior to commencing with production / processing.

**QC130 CERTIFICATE OF CONFORMANCE**

Each shipment shall be accompanied by one (1) legible and reproducible copy of a *Certification Document (Certificate of Conformance, Shipper, Packing List, etc.) that includes the identification (signature, electronic signature, stamp, etc. of the person authorizing release of product assuring the items ordered were produced in accordance with and conforming in all respects with the contractual requirements including, but not limited to, specifications, drawings, marking requirements, physical item identification and electrical characteristics when applicable. When the parts are serialized, serial numbers shall be included on the certification.*

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**QC131 PROCESS CERTIFICATIONS**

Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate that must include the signature and title of the person authorizing release of product certifying all processes used, such as heat treating, welding, NDT, surface preparation and treatment, etc. The certificate shall include the processing used, the specification to which they conform and the name of the agency that performed them if other than the seller (i.e. sub-vendor). When the parts are serialized, serial numbers shall be included on the certification.

**QC132 CHEMICAL AND PHYSICAL TEST REPORTS**

Each shipment must be accompanied by one (1) legible and reproducible copy of all chemical and physical test reports identifiable with materials ordered. The reports must contain the signature and title of the authorized representative of the agency performing the test and must assure conformance to specification requirements.

**QC133 DATED MATERIAL (SHELF LIFE CONTROLLED)**

Time sensitive material shall be furnished with a minimum of 80% of its shelf life remaining at date of shipment. Shelf life duration, date of manufacture and date of expiration shall be listed on material certification.

**QC134 NON-DESTRUCTIVE TEST/INSPECTION IDENTIFICATION**

All parts found to be acceptable by non-destructive testing methods are to be so identified by placing the proper acceptance test /inspection stamp or label on such acceptable parts. All parts found to be unacceptable are to be so identified by placing the proper withholding stamp or label on such defective parts. In those cases where NDT testing is being performed by a lower-tier supplier and his acceptance stamp is obliterated by further processing, a copy of the lower-tier's certification must accompany shipment to ALLTEC.

**QC135 ALLTEC APPROVED OSP**

Seller shall assure that any process and/or non-destructive test (NDT) requested on this purchase order shall be performed only by sources currently appearing on the ALLTEC's "List of Approved Vendors" for the specific type of work to be conducted.

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### **QC136 ALLTEC OSP MOLD FABRICATION**

The supplier must provide Alltec a manufacturing schedule showing Major Tasks and Milestones. The mold design will be owned and must be approved by Alltec prior to start of mold fabrication. Deliverables must include, but not limited to, Mold Design, in electronic data file, printed or both as required by Alltec, any and all electrode designs, and the mold as described in the Alltec Purchase Order. The supplier must perform and submit to Alltec the First Article Inspection Report (FAIR) on all parts produced by the fabricated mold. The mold will not be considered complete or accepted until Alltec approves, in writing, the FAIR for each molded component.

### **QC140 RAW MATERIAL IDENTIFICATION**

Each shipment shall be accompanied by one (1) legible and reproducible copy of a packing slip. The packaging will have Manufacturer or Distributor name, part number, revision letter, if applicable, manufacturing lot number and quantity contained within the package. Labeled with indelible ink or adhesive label on each package.

### **QC141 IDENTIFICATION OF "DANGEROUS GOODS"**

A "Dangerous Goods" decal must be applied to the outer container of the item being shipped and to the associated shipping document (shipper). Also, one copy of the applicable MSDS sheet must be provided with each shipment.

This is in addition to federal & state requirements noted in IATA & DOT CFR. It does not relieve the supplier of their responsibility to comply with any marking & labeling requirements set fourth in the IATA & DOT CFR or any other legal documentation that may apply to this shipment.

### **QC150 PUBLIC LAW 101-592 FASTENER QUALITY ACT**

**Supplier (Distributor) Certification:** A Certification shall accompany each shipment of fasteners/washers, containing the following, as a minimum:  
The manufacturer lot number(s) with associates part number(s);  
Manufacturers name; ALLTEC p.o. number; and a statement to the effect that the manufactures certification (required by the Section 7 of the "Law") is on file with the distributor.

**Supplier (Manufacturer) Certification:** A Certification in accordance with Section 7 of the "Law" shall accompany each shipment.

**Packaging:** Each lot shall be packaged in a manner that ensure there will be no co-mingling of like fasteners from different lots in the same container.

**Identification:** Each package shall be identified with the lot number, name of the parts, part identification number, P.O. number and name of

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fastener manufacturer.

**QC151 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS**

**1. When supplier is the fastener manufacturer** - Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate of conformance containing the signature and title of an authorized representative which stated that the fastener have been manufactured in accordance with requirements of the applicable NAS, AN, MS government approved Parts Standard and Procurement Specification; and the chemical / physical test reports required by the government approved Procurement Specification are on file with the manufacturer, and available for review by customer and /or government quality assurance representative upon request.

**2. When the supplier is a distributor** - Each shipment shall be accompanied by one (1) legible and reproducible copy of conformity to purchase order requirements. The statement of conformity, as a minimum, shall contain Alltec P.O. number, packing slip number; a copy of applicable test records (chemical, physical, processes and NDT) required by the government approved Parts Standard and Procurement Specification are available, or are obtainable upon customer request. The statement of conformity must contain the name of the fastener manufacturer, and shall be signed and dated by an authorized representative.

**QC160 PACKAGING, HANDLING AND LABELING**

The supplier shall provide packaging that maintains the quality of the fabricated item and prevents damage, deterioration, substitution or loss in transit. The supplier shall label the exterior of the package to ensure adequate identification of precautions needed to ensure the integrity of the product being shipped. The supplier must specify the handling and shipping methods that ensure proper and on-time delivery without damage to the product, unless otherwise specified on the Alltec Purchase Order. The supplier shall ensure that special labeling requirements shall also be listed in the appropriate shipping documents and on each package.

**QC170 RECORD RETENTION**

Supplier shall maintain verifiable objective evidence of all inspections and test performed, results obtained and dispositions of non-conforming articles. These records shall be identified to associated articles, including lot number of materials, unit of lot serialization and made available to Alltec, its customer and / or government representatives upon request and shall be retained in a safe, accessible location for a period of 7 years. Records held for the required retention period shall not be destroyed without Alltec's and / or its customers written approval. These requirements shall flow down to all levels of sub-suppliers. Suppliers that are in danger of / or in the process of

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bankruptcy or closure of business, are required to contact Alltec to arrange shipment of all retained records in their possession.

**ALL GOVERNMENT AND FEDERAL AGENCIES QUALITY CLAUSES:**

**QC900 FABRICATION INSPECTION SYSTEM (FIS) FAR21.303**

The supplier, shall maintain a FIS in compliance with the requirements of FAR 21.303 (h). The FIS shall be approved and subject to audit by Alltec, FAA, or its representative at any time.

**QC901 FAA-PMA /TSOA**

As an ALLTEC supplier, manufacturing an article or component for which ALLTEC holds an FAA Parts Manufactures Approval (PMA) or Technical Standard Order Authorization (TSOA), your inspection system shall be subject to inspection by ALLTEC and /or FAA at a level commensurate with criticalness of the article or component.

**QC902 GOVERNMENT SOURCE INSPECTION (GSI)**

Government inspection is required prior to shipment from your plant. Evidence of such inspection must be indicated on the packing sheet accompanying each shipment. On receipt of this Purchase Order, promptly contact the Government Representative who normally services your plant, or if not available, or the representative or office cannot be located, ALLTEC's purchasing should be notified. Drawing(s), test document(s) and specifications, as applicable, covering material on this order shall be available for inspection at your plant.

**QC903 REQUIREMENT FOR AIRWORTHINESS CERTIFICATION**

FAA/Foreign Civil Airworthiness Authority (FCAA) Conformity Certification is required for articles specified on this purchase document. Include with each shipment, a true copy of FAA Form 8130-3, Release Certificate Approval Tag, for Airworthiness. Foreign government equivalent to FAA Form 8130-3 is acceptable for imported articles.

**QC904 FLAMMABILITY TEST**

Test reports showing actual results of flammability test which meet the requirements of FAR 25.853(a) and signed by a responsible party shall accompany this shipment.

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**QC905 FLAMMABILITY TEST**

Flammability Test reports showing actual results of flammability test(s). Reports must show Fire Worthiness resistance shall be such that the requirements of FAR 25.853 (a), Amendment 25-116 (60-Second Vertical Bunsen Burner Test). Appendix F, Part I will be met, or the latest revision of the Aircraft Materials Fire Test Handbook (DOT/FAA/AR-00/12).

**QC906 FLAMMABILITY TEST**

Flammability Test reports verifying Smoke emission shall be such that the requirements of FAR 25.853 (d) Amendment 25-116. Appendix F, Part V will be met, or the latest revision of the Aircraft Materials Fire Test Handbook (DOT/FAA/AR-00/12). Reports must include a brief description of the sample and mounting.

**QC907 FLAMMABILITY TEST**

Flammability Test reports verifying Heat release capability shall be such that the requirements of FAR 25.853 (d), Amendment 25-116. Appendix F, Part IV will be met, or the latest revision of the Aircraft Materials Fire Test Handbook (DOT/FAA/AR-00/12). Reports must include a brief description of the sample and mounting.

**QC908 FLAMMABILITY TEST**

Flammability Test reports showing actual test results of flammability tests which meet the requirements of FAR 25.856 (a) and AC25.856-1 or the latest revision of the Aircraft Materials Fire Test Handbook (DOT/FAR/AR-00/12)

**BOEING SPECIFIC QUALITY CLAUSES:**

**QCB100 BOEING PROCESSING**

Seller shall assure that any process work to be performed on Boeing design and/or part numbers by the Seller or its suppliers, shall be performed only by sources noted in the latest published Boeing Document Number D1-4426.

**QCB101 BOEING MATERIAL CERTIFICATION**

Material must be received with certification documenting acceptance to all requirements of the applicable Type and Class of the BMS (Boeing Material Specification).

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**QCB102 BOEING DIGITAL PRODUCT DEFINITION**

Seller shall follow the requirements noted in the latest published Boeing Document Number D6-51991, "Quality Assurance Standard for Digital Product Definition at Boeing Suppliers".

**QCB103 BAE REQUIREMENTS**

Returning product certifications shall contain the following statement:  
"The products herein certified in accordance with the terms of BAE approval and work category. Further, right of access is granted to BAE, BAE customers and applicable aviation authorities." Letter of Authority No.LOA/PWK/160B

**QCB104 DFARS CLAUSE 252.225-7014**

DFARS Clause 252.225-7014, Preference for domestic specialty metals, prohibits the contractor (E. G. the Boeing Company) from incorporating into military aircraft "Specialty Metals" (Such as Titanium and Stainless Steel) which have been melted outside the United States, unless certain limited exceptions set forth in the clause apply. Even if one of the exceptions applied, the source for specialty metals melted outside the United States must also be listed in the qualified products list (QPL) of Douglas Material Specification (DMS) 2201, Procurement from Foreign Sources – Metallic Raw Material.

**(end)**