



Boeing Kit Quality Requirements  
Date 03/05/2012

## PREFACE

This document defines the quality requirements that apply to Aerospace Products SE Inc. (APSE) Purchase Orders for the 345 Kit. All applicable drawings, specifications, test procedures, and certifications listed in these requirements, and our Purchase Order must be complied with in order to provide an acceptable quality product. Unless specified otherwise on our Purchase Order.

The latest revision of specifications and drawings apply to this order. Any deviations or waivers from the requirements specified in this document or on the Purchase Order must have written or email approval from APSE Purchasing prior to shipping the item.

### 1. CHANGE IN QUALITY MANAGEMENT REPRESENTATIVE

Seller shall promptly notify Buyer's Authorized Procurement Representative and Supplier Quality Representative of intended or actual changes in the management representative with assigned responsibility and authority for its quality management system.

### 2. QUALITY MANAGEMENT SYSTEM

Suppliers' Quality System must meet the requirements of AS9100, AS9120, AS9110, ISO-9001, ASA-100, CASE or be approved by APSE. Additionally, the calibration system shall meet the requirements of MIL-STD45662, ISO-10012, ANSI-Z 540.1 or ISO/IEC 17025.

Seller shall promptly notify APSE's Procurement Representative and Supplier Quality Representative in writing of intended or actual major change to its quality management system that may affect the conformity of its goods or services. Each change to Seller's quality management system is subject to review by APSE.

Seller shall include, as part of the written notification of change to its quality management system, a list of changed procedures identified by revision level, a description of the intent of the changes and a signed statement that compliance with Buyer's quality system approval has not been diminished.

### 3. CHANGE IN MANUFACTURING LINE, FACILITY LOCATION OR PROCESS

Seller shall promptly notify APSE's Procurement Representative in writing of intended or actual change to the manufacturing processes that may affect the quality of delivered goods and services. This includes changes to Seller's and Seller's subcontractors manufacturing facility location for the contracted goods or services, equipment, or processes for which the product was qualified.



Seller shall promptly notify APSE's Procurement Representative in writing of change to its quality control process that may affect the inspection verification of conformity or airworthiness. Notification shall document effect of change to inspection with respect to fit, form, reliability, function, conformity, airworthiness of the Seller's goods or services. Each change to Seller's quality control system is subject to review by Buyer.

#### 4. NATURAL DISASTER OCCURRENCE

Seller shall promptly notify APSE's Procurement Representative of any occurrence of natural disaster that diminishes Seller's ability to deliver conforming goods or services.

#### 5. ENGLISH LANGUAGE

Seller shall make specified quality data and/or approved design data available in the English language.

Seller shall maintain an English language translation of (1) its quality manual, (2) the operating instructions that implement the quality manual requirements, and (3) an index of Seller's procedures that contain quality requirements. Buyer may require additional documentation to be translated, including but not limited to: shop orders, technical specifications, certificates, reports, and nonconformance documents.

#### 6. SELLER'S SUBCONTRACTORS

Seller shall impose all the aforementioned requirements on Seller's Subcontractors.

#### 7. SELLER'S CHANGE NOTIFICATION PROCESS

Seller shall document a process for notifying APSE of intended or actual changes described in the aforementioned requirements.

#### 8. APPROVED PROCESS SOURCE

Seller and / or Seller's subcontract process sources shall be an approved processor or shall use approved processors as required by D1-4426, "Approved Process Sources". A list of the approved processors and associated processes are available from Buyer's Procurement Agent or at <http://www.boeing.com/companyoffices/doingbiz/d14426/index.html>

This clause shall be included in Seller's subcontracts for work performed under this purchase contract that involves D1-4426 processes.

A Certificate of Conformance and / or equivalent Process Certificate, signed by an authorized agent of the Processor / Seller shall be maintained by Seller. The certificate shall include



purchase contract number, part number(s), Trace Number (as applicable), Process Specification number w/revision, processing date(s) and name and address of the Processor(s) performing each of the D1-4426 Process(es).

Buyer approval of any processor shall not relieve Seller of Seller's requirement to comply with the terms of this purchase contract.

#### 9. AS9102 AEROSPACE FIRST ARTICLE INSPECTION REQUIREMENT (BUILD TO PRINT ITEMS ONLY)

First Article Inspection (FAI) shall be performed by the Seller in accordance with the requirements of AS9102 for all build-to-print items.

When documenting the FAI, the Seller may use the forms contained within AS9102 or their equivalent, so long as the forms contain all the information required by AS9102.

#### 10. CERTIFICATE OF CONFORMANCE – DELIVERABLE

Seller shall include a Certificate of Conformance with the packing sheet for each shipment. Seller's original Certificate of Conformance shall be maintained by Seller and upon APSE's request shall be made available.

Seller's Certificate of Conformance shall include the following;

- Seller's Name
- Statement attesting that goods and services conform to the contract requirements and applicable Government and Buyer' specifications. If material is Buyer furnished, so indicate.
- Signature or stamp with title of Seller's authorized personnel signing the certificate.
- Buyer's contract number
- Note: - Distributors shall, in addition to the above, include the manufacturer's name for each item shipped.

Additionally Seller's Certificate of Conformance shall include or be traceable to the following;

- Part number and dash number (when applicable)
- Drawing revision level to which the goods were manufactured (when applicable)

#### 11. RECORD RETENTION

Seller shall maintain records of inspections, tests, and process controls called for by this contract. Unless extended record retention requirements are specified elsewhere in this contract or attachments, (e.g. drawings, management reports, etc.) these documents shall be on file and available to Buyer for four (4) years following the end of the calendar year in which the final entry was made or three (3) years after the final payment under this contract, whichever expires first. At any time during the retention period, at Buyer's request, Seller will deliver said records, or any part thereof, to Buyer, at no additional cost to Buyer.



## 12. ORIGINAL MANUFACTURER'S SIGNED CERTIFICATE OF COMPLIANCE (C OF C)

The supplier must provide a signed or stamped document from the original manufacturer including Lot

Number, stating compliance with all specifications, drawings, and purchase order requirements, including special process sources with all deliveries.

## 13. REPORTS (FULL PEDIGREE FROM MELT TO FINAL PRODUCT)

For the part types listed below; a material Certificate of Analysis (material test report), meeting the requirements of applicable material specifications is required on this PO. The signature of authorizing personnel, and date are required on the test report.

Part Types – Bolts, Collars, Nuts, Nutplates, Rivets, Studs, Washers, Pins, and Screws

Test reports shall include as a minimum:

- Raw material certifications shall show clear traceability to the manufacturer(s) of the raw material including ingot source, all thermo-mechanical processing (i.e. forging, rolling, drawing, etc), heat treatment, chemical processing and inspections as required by applicable raw material specification requirements.
- A statement that all materials, processes, inspections and tests meet the requirements of all specifications listed on the Purchase Order.
- Manufacturer's name and material lot number.
- Chemical and Physical properties including actual values, material specifications, and specification revisions.
- Identification of all special processes performed on the part including process specification, revision, type, grade, class, or other specifics of the process.

NOTE: special processes may only be performed by sources qualified by the referenced specification.

## 14. IN ACCORDANCE WITH THE OFFSET CREDITS ARTICLE OF BOEING'S GENERAL PROVISIONS

Seller shall submit "Advance Notification / Supplier Foreign Content Report" (AN/SFCR) form X33647 on a Supplier Data Requirements List (SDRL) and follow the instructions below:

### 1. Description

1.1. The Advance Notification / Supplier Foreign Content Report form is used to document foreign procurements.



1.2. For purposes of establishing “offset causality” under a contract, the supplier shall provide ADVANCE NOTIFICATION to Buyer for any FOREIGN BIDDER under consideration for any subcontract.

## 15. RETURN AUTHORIZATION

If items provided by the supplier are found to be discrepant upon receipt at APSE, for any reason, the supplier will have 5 working days from our written notification of the discrepancy to correct the discrepancy. If the discrepancy is not corrected within 5 working days of notification, return authorization is automatically authorized by the supplier of the part.

## 16. CONFIGURATION MANAGEMENT

It is the responsibility of the supplier to verify that they are working to, and providing parts to the latest specification or drawing revision unless otherwise specified on our PO. For “Government, Military, or OEM Specifications” and “Standards” canceled or superseded, the supplier must use the current revision of the replacement document as stated on the superseded or cancelled specification, (unless a specific revision is required by our PO).

## 17. RIGHT OF ACCESS

Suppliers and subcontractors shall allow right of access to facilities and applicable records to APSE personnel, our customers, Government or other regulatory authorities for the item(s) offered on this purchase order.

## 18. AGE CONTROL

Any age controlled materials, supplier shall provide documented evidence of the expiration date. There shall be a minimum of 75% shelf life remaining on any limited life product provided on this order

## 19. REQUIREMENT FLOWDOWN

It is the responsibility of the supplier to ensure flow down of all appropriate APSE requirements through all sub-tier suppliers.

## 20. PACKAGING



The supplier shall package and protect items in a secure manner, as called for in the applicable drawings, specifications, or if not specified using best commercial practices to prevent damage during shipment.

## 21. GOVERNMENT CONTRACT REQUIREMENTS

The following government contract clauses are incorporated into this contract. In all of the following clauses the words “contractor” and “offeror” means the seller.

FAR 52.219-8 Utilization of Small Business Concerns

FAR 52.222-26 Equal Opportunity

FAR 52.222-35 Affirmative Action for special disabled and Vietnam era veterans

FAR 52.222-36 Affirmative Action for handicapped workers

FAR 52.244-6 Subcontractor for commercial items and commercial components

DFAR 252.247-7023 Transportation of supplies by sea

DFAR 252.247-7024 Notification of transportation of supplies by sea

DFAR 252.225-7014 Preference for domestic specialty metals, Alternate 1

## 22. PO REQUIREMENTS

None of the terms and conditions contained in this document, the purchase order, or this document may be added to, modified, superseded or otherwise altered in any way except by a written instrument signed by an authorized representative of APSE, or by email. By acknowledging receipt of APSE’s purchase order or by shipping the items ordered, seller agrees to the terms and conditions contained in APSE’s purchase order and this document.

## 23. NONCONFORMING MATERIAL

The supplier shall notify APSE of any nonconforming material prior to shipment and obtain APSE’s approval in writing prior to shipping any known nonconforming material.

## 24. DPAS RATING

If this is a DPAS rated order certified for national defense use, the seller is required to follow all provisions of the Defense Priorities and Allocations System regulation (15 CFR part 700) in obtaining materials, products, and services needed to fill this order. If this is a rated order, the seller must accept or reject this order within 10 working days. If this is a rated order the seller must provide written reasons for rejection of this order if it is rejected. Seller’s commitment of



performance or acceptance of this order in any manner shall conclusively evidence acceptance of this Purchase Contract as written. The DPAS rating is specified for each line item contained in this Purchase Contract if it is a rated order.