

**PURCHASE ORDER ATTACHMENT A****COX & COMPANY, INC. SUPPLIER PRODUCT ASSURANCE PROVISIONS SPAP-1**

The following product assurance provisions, with their terms and conditions, become an integral part of the contract to the extent specified in the purchase order. These provisions supplement, but do not supersede, the presently existing terms and conditions of the purchase order. The seller shall include in each shipment to Cox, in addition to the pack list, objective evidence of quality demonstrating compliance with the applicable specifications.

- 1) **CERTIFICATION OF COMPLIANCE:** With, or preceding each shipment to Cox against this purchase order, the seller shall assure in writing, with each lot to Cox, that the following requirements have been met:
  - A) Conformance to all contract (purchase order) product assurance system requirements.
  - B) Retention, by seller or manufacturer, of substantiating documentary evidence of inspections and/or tests of items shipped; said documentation shall be made available to Cox or the government upon request.
  - C) Conformance of raw material to requirements; specification requirements shall be listed as applicable. The certification shall contain the signature and title of an authorized representative of the seller.
  - D) The certificate must also include date, Cox work order or purchase order, seller's name and address, packing slip number, serial number, when applicable, or other traceability identification information.
- 2) **COPIES OF OBJECTIVE EVIDENCE:** Cox may periodically request and seller shall provide at no cost within 20 days of request, legible photocopies of substantiating objective evidence for any certification of compliance provided by seller.
- 3) **PHYSICAL/CHEMICAL TEST REPORT:** A signature validated and legible report must accompany each shipment made to Cox against each item of this purchase order. The report shall indicate the percentage of each element that makes up the chemical composition and/or quantitative physical properties of all raw materials. The report shall specifically identify the material by reference to the number of the melt, the cast heat lot, or other similar designation, and must indicate the applicable specification, specification revision, and traceability to the Cox purchase order number.
- 4) **CERTIFIED TEST DATA:** Certified test data must be provided to Cox with each shipment. The test report shall be printed on stationary of the organization performing said testing. The test report shall demonstrate conformance to all requirements defined on the drawing and/or purchase order. Serialized items shall have quantitative test data versus quantitative requirements and the permissible tolerances defined for each item within that purchase order. Lot-controlled items (non-serialized such as electronic components, etc.) shall have qualitative (attribute) test results versus quantitative requirements and the permissible tolerance for all values measured.
- 5) **DELETED**
- 6) **IDENTIFICATION LIMITED SHELF LIFE:** Materials with limited shelf life, organic material, epoxy, paint, adhesives, etc., shall reflect the date of manufacture, lot number, manufacturer's shelf life, or manufacturer's shelf life expiration date, and applicable specification on the container. Each container must be identified. Not more than one quarter ( $\frac{1}{4}$ ) of the shelf life shall have expired upon receipt, without prior authorization, for each shipment to Cox.
- 7) **ELECTROSTATIC DISCHARGE PROTECTION:** Electronic parts or assemblies that are Electrostatic Discharge Sensitive (ESDS) shall be suitably protected from static fields and discharges. ESDS parts or assemblies not suitably protected shall be subject to rejection and replacement.
- 8) **SELLER INSPECTION SYSTEM:**
  - A) The seller shall, in the performance of this purchase order, provide and maintain an inspection system, which complies with Military Specification MIL-I-45208 (issue in effect as of date of contract, or as specified in the purchase order). This includes Military Standard-45662 (or equivalent).
  - B) The seller shall implement the requirements of the current revision of MIL-I-45208 or equivalent, applicable to those steps in the overall design, manufacture, and delivery process over which they exercise control. For example, purchasing from government-approved Qualified Parts Lists (QPL) sources

- (where applicable), retaining the sub-tier's C of C and data, handling, storing, and delivering. In addition, the manufacturer or distributor shall flow down to the sub-tier suppliers, those quality assurance requirements appropriate to the product or service delivered. The buyer reserves the right to assure, by audit, that effective procedures exist and are implemented for the product acquired by the purchase order.
- C) The supplier shall maintain a configuration control system for software/firmware used to manufacture the listed purchase order item(s). The system shall assure:
1. Suitable unique identification of the software (including revision letter, date of generation and its relationship to the configuration of the purchased item;
  2. Cox directed hardware changes result in an impact analysis and change, as necessary, of the current software configuration;
  3. Supplier-initiated changes following Cox acceptance of the initial lot shall have no impact on the item's form, fit or function, unless specifically authorized by Cox in writing.
- D) The supplier shall develop and employ quality assurance/inspection system requirements applicable to those products, materials, or processes they elect to sub-contract. Such requirements shall be included in each supplier purchase order.
- E) Supplier shall notify buyer of any nonconforming product detected by the supplier prior to shipment or after delivery to the buyer, and obtain buyer approval for nonconforming product disposition.
- F) In accordance with any applicable national security regulations, the buyer, and their representatives, reserves the right of unimpeded access to any area of the seller's, and their supply chain's sub-tier, premises in which any part of the work for the purchase order is being performed. The seller shall provide, without imposing additional costs on the buyer, reasonable on-site accommodations, facilities, and assistance to ensure the safety and convenience of the buyer, and their representatives, throughout the performance of their duties.
- G) Seller shall maintain records of this transaction and all associated records for a minimum of 10 years from date of shipment, unless otherwise specified in the purchase order.
- H) Seller shall flow this requirement down to its sub tier supply chain suppliers as a condition of this contract.
- I) Prior to transmitting Cox technical data to other parties, seller shall request export control requirements from buyer and comply with those requirements.
- J) Supplier shall promptly notify Cox of any changes in the management representative with assigned responsibility and authority for the quality system.
- K) When specifically requested by Cox, supplier shall make specified data available in the English language.
- L) Supplier shall immediately notify Cox of any change to the manufacturing location of the contracted part or assembly.
- M) Supplier shall notify Cox of any work transfer as defined in the current revision of AS9100 section 8.1.
- N) Unless otherwise specified, allowances for visual imperfections is per Cox WI-21-003-01 "Visual Inspection Standard for Procured Materials" which may be obtained from Cox's website at [https://www.coxandco.com/business\\_with\\_cox.html](https://www.coxandco.com/business_with_cox.html).
- O) Supplier shall ensure that its employees are aware of their contribution to product or service conformity, their contribution to product safety and the importance of ethical behavior.
- P) The supplier shall perform 100% inspection on all critical, safety critical parts and assemblies, unless documented authorization is obtained from Cox. Sampling inspection is permitted for the seller per AQL C=0 for parts not defined above.
- Q) The seller shall utilize the specification revision indicated on the drawing or later approved revision unless otherwise specified by the contract.
- 9) DELETED**
- 10) DELETED**
- 11) DELETED**
- 12) COX SOURCE SURVEILLANCE AND INSPECTION:** Surveillance by Cox is mandatory at seller's facility during and upon completion of manufacture. The seller shall provide all necessary inspection data, facilities and equipment. Seller shall notify Cox at least 48 hours in advance of performing acceptance test or intent to ship; and

shall withhold shipment pending necessary action by the procurement quality assurance representative. Final acceptance of material will be at Cox. Evidence of source acceptance must accompany each shipment. A waiver of source inspection can only be authorized by procurement or quality assurance management. Authorization to ship parts without source inspection shall be stated on the packaging slip. Date and name of person authorizing shipment shall also be stated. The seller's quality manager shall notify the buyer that they are ready for source inspection only after completion and acceptance of units to be submitted by the seller's quality organization.

supplied with each shipment. The certification must contain all of the test parameters necessary to demonstrate conformance to manufacturer's specifications, must be traceable to the National Institute of Standards and Technology (NIST), and shall meet the requirements of the current revision of ISO 17025.

**13) GOVERNMENT SOURCE INSPECTION:** GSI is required prior to shipment from your plant. Upon receipt of this order, promptly furnish a duplicate copy to the government representative who normally services your plant so that appropriate planning for government inspection can be accomplished. GSI does not replace prime contractor inspection or responsibilities.

**19) DELETED**

**20) IDENTIFICATION-DETAIL PARTS:** Detail parts and/or sub-assemblies manufactured to Cox drawings shall be identified with the Cox part number, drawing revision letter, date of manufacture, and serial number when applicable. Vendor hardware manufactured to a Cox design shall be identified with the vendor logo per MIL-STD-130 and requirements. Miscellaneous hardware, such as off-the-shelf items, MIL. Spec. Parts, and other vendor-controlled items, shall be identified per applicable drawing, specification, or purchase order requirement.

**14) DELETED**

**21) DELETED**

**15) APPROVED PROCESS VENDORS:** All processing such as welding, heat treating, brazing, electroplating, cleaning, anodizing, soldering, chemical filming, etc., shall be accomplished by Cox approved process vendors, or Cox customer approved process sources. Cox will provide a list of approved vendors upon request, and each shipment must be inspected and approved by Cox quality assurance.

**22) DELETED**

**16) SOURCE SURVEILLANCE:** The seller shall provide the buyer, the customer, and government personnel access to any and all areas, including those of lower tier suppliers, where work is being done or scheduled to be performed under this purchase order.

**23) ACCEPTANCE TESTING, PROCEDURE, AND REPORT:**

**17) NON-DESTRUCTIVE INSPECTION REQUIREMENTS:** The appropriate, non-destructive inspection specification contained in this purchase order and/or drawing is required for all articles covered by this purchase order. The inspection shall be performed by Cox approved sources and objective evidence of inspection results shall be supplied to Cox with each shipment.

Acceptance testing of each deliverable unit using a test procedure approved by Cox is required. The procedure to be used shall be submitted to Cox for approval at least thirty days (unless otherwise stated) prior to scheduled start of testing of the initial lot. At a minimum, the test procedure shall give by narrative and sketch, the methods and the order in which the tests will be performed, measurements to be made, and acceptance criteria. A copy of the data sheet(s) to be used shall be listed. When instrument accuracy is specified as a percentage, it shall be stated whether the percentage pertains to the nominal value to be measured or is a percentage of instrument full scale. The test procedure shall contain caution and safety notations if appropriate. Data Item Description (DID) No. \_\_\_\_\_ is hereby incorporated into the purchase order. Existing acceptance test procedures and data sheets, which satisfy these requirements, may be submitted for approval. A signed copy of the completed data sheet(s) giving the actual (quantitative) test results shall accompany each unit.

**18) CERTIFICATION OF CALIBRATION:** A certification of calibration attesting to accuracy of the items procured on this purchase order must be

**24) LOT/HEAT TREAT NUMBER TRACEABILITY:**

The manufacturer shall identify each lot and/or heat treat number used in addition to specification

marking requirements. Material shall be segregated and identifiable to lot/heat treat number when mixed lot fabrication occurs.

**25) CRITICAL PARTS:** All items fabricated under this purchase order shall be traceable to raw material used.

**26) DELETED**

**27) PRINTED CIRCUIT BOARD ACCEPTANCE MARKING:** All acceptable printed circuit boards shall be identified by the testing and/or manufacturing facility with a unique acceptance stamp in any suitable place which will not be covered by a component. Printed circuit boards whose available area is physically too small to mark with a stamp, shall have the test certification indicating acceptance of the subject part number and date code accompanying each lot. Lot results for all printed circuit boards shall be maintained by the manufacturer and shall be made available upon request.

**28) WIRE:** Each spool of wire on this order must be legibly and permanently identified with purchase order number, gauge or conductor diameter, cure date (where applicable), military specification number (where applicable), Cox part number (where applicable), material, resistance, insulation (where applicable), color, and spool number (where applicable).

**29) LEAD WIRE:** Each spool of wire on this order must be legibly and permanently identified with purchase order number, gauge, or conductor diameter, cure date (where applicable), military specification number (where applicable), and Cox part number (where applicable).

**30) PRODUCT DATA:** Vendor shall supply a product data or catalog sheet, providing as applicable, a product description, application, features, specifications, typical properties, instructions for use, instructions for storage and handling, quality assurance instructions, and dimensions.

**31) PRINTED CIRCUIT BOARD ELECTRICAL TEST:** Printed Circuit Boards (PCBs) shall be 100% electrically tested per IPC 9252, current revision as of the date of the PO or later. Test to section 4.1.1 Resistive Continuity Testing - Test Level C and Section 4.2.1- Resistive Isolation Testing - Test Level C.

**32) NOTICE OF DISCONTINUANCE:** The supplier has the obligation to perform and provide a formal notice of discontinuance to Cox at least six (6) months in advance of discontinuance of production of Cox ordered devices. This applies for at least three (3) years from completion of order. The supplier has the obligation to provide Cox with the opportunity to make a lifetime buy.

**33) DELETED**

**34) FIRST ARTICLE INSPECTION:** Supplier shall perform and document First Article Inspections (FAI) per AS9102, current revision. FAI Reports (FAIR) shall be provided on or before receipt of the first affected shipment to Cox. Electronic transmittal of the FAIR is acceptable.

**35) AS-9100:** The seller shall, in the performance of this purchase order, provide and maintain a quality system which is in conformance with SAE Aerospace Standard AS-9100 (issue in effect as of date of contract, or as specified in the purchase order).

**36) DELETED**

**37) DELETED**

**38) TOOLING:** All tooling supplied/manufactured for Cox or used to manufacture Cox products shall be identified to show: program/file name, part number, revision number, tool ownership and inspection acceptance. The following documentation shall be supplied by the tool manufacturer. All material certifications to manufacture the tool/s, including all raw materials used, top level certificate of compliance for the tool, also all drawing/files, travelers, inspection/test/verification data are required.

**39) REVISION IDENTIFICATION:** The latest revision of the manufacturer's drawings, specifications, and/or documentation in effect for all parts specified on this purchase order shall be used unless otherwise specified by Cox. The supplier's certificate of compliance shall call out the revision used.

**40) PRE-PREG PACKAGING:** All pre-pregs must have a temperature-monitoring device included in the packaging and be packaged with dry ice for air shipments. Shipments by freezer truck do not require the use of dry ice but must include a temperature-monitoring device in the packaging.

**41) COUNTERFEIT PARTS:**

Suppliers of Electrical, Electronic, and Electro-mechanical (EEE) parts shall maintain a counterfeit prevention program per the current revision of SAE AS5553, Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition. EEE parts shall be from the Original Component/Equipment Manufacturer (OCM/OEM) or their authorized distributor.

Suppliers of mechanical or non-electrical standard parts shall maintain a counterfeit prevention program per the current revision of SAE AS6174, Counterfeit Materiel; Assuring Acquisition of Authentic and Conforming Materiel. These types of parts shall be from the OCM/OEM or their authorized distributor.

Parts shall not be misrepresented as new when they are used, reclaimed, or refurbished. Suppliers shall flow the requirements of this clause to their sub-tier suppliers at all levels.

Suppliers, that are not the manufacturer, shall provide certification or proof of purchase from an authorized source that includes, somewhere in the certification package, date/lot code traceability with each shipment. Suppliers, that are the manufacturer, need not provide date/lot code traceability on the provided certification documents.

**42) COUNTRY OF ORIGIN:** Supplier shall contact Cox prior to use of a foreign sub-tier supplier from a country that does not have a Bilateral Airworthiness Agreement (BAA) that covers materials and parts in effect with the United States Federal Aviation Administration (FAA). Information on current BAAs may be found on the FAA website <https://www.faa.gov> (search for Bilateral Agreement).

These requirements do not apply to standard parts (such as rivets, electrical connectors, grommets, etc.) produced to a United States industry standard (such as MIL, NAS, etc.).

Prior to sourcing raw metallic or raw composite material from countries with no BAA for that material, supplier shall contact Cox procurement for additional material testing requirements.

**43) DELETED**

**44) SOLDER PROCESS CONTROL:** Soldering shall be in accordance with ANSI/J-STD-001 Class 3. Personnel performing soldering shall be certified to ANSI/J-STD-001 class 3. Workmanship and

inspection shall be in accordance with IPC-A-610 class 3. Personnel performing inspection shall be certified to IPC-A-610 class 3. Unless otherwise specified, the current revisions of both documents in effect on the date of the purchase order shall apply. Suppliers may work to later revisions provided that it does not inconvenience Cox or increase price.

**45) 14 CFR 145 REPAIR STATION:** Work performed under this purchase order shall be by an FAA certified repair station under 14 CFR 145. Supplier shall be covered by an FAA approved drug & alcohol testing program. Supplier shall flow these requirements to all sub-tier suppliers and all levels. Supplier shall provide FAA form 8130-3 with the shipment.

**46) AESTHETICAL ACCEPTANCE:** Parts shall meet the aesthetical acceptance requirements of Airbus M2831, Acceptance Parameters of Aesthetical Variations. Supplier shall contact Cox buyer for part sketch and copy of M2831. Supplier shall apply suitable protection for Zone (Class) A surfaces and shall individually unit pack parts.

**47) MACHINE READABLE INFORMATION (MRI):** Supplier shall verify MRI quality per MIL-STD-130 and provide inspection results including actual quality scores for each marking as defined in MIL-STD-130. Quality score cards shall meet all of the following requirements:

- A) Provided with each shipment
- B) On MS Windows compatible CD-ROM or similar portable media
- C) In HTML or PDF format, one file per score card
- D) File name with the concatenated UID (e.g. derived UII). For example: *D980856535-02000132.pdf*

**48) DELETED**

**49) BOEING DIGITAL PRODUCT DEFINITION (DPD):**

DPD: The information contained herein is digitally defined in whole or in part as defined in Boeing D6-51991 "Quality Assurance Standard for Digital Product Definition at Boeing Suppliers". Prior to receipt of this data, supplier shall either:

- A) Be approved by Boeing for DPD, and the scope of such approval shall encompass the data and processes used to fulfill purchase order requirements
- B) Utilize and process this data in accordance with a plan explicitly approved by Cox quality assurance.

Supplier shall flow the requirements of this clause to all sub-tier contractors receiving this data.

**50) MATERIAL FOR GROUND SUPPORT EQUIPMENT**

**(GSE):** With each shipment, the supplier shall provide documentation that includes, at a minimum the seller's name and address, Cox's purchase order number or equivalent trace data, and the part number(s) and description of the material provided.

**51) DEFENSE FEDERAL ACQUISITION REGULATION**

**SUPPLEMENT:** DFARS 252.225-7014, ALT I and/or DFARS 252.225-7009 required, as applicable.

**52) DEFENSE PRIORITIES & ALLOCATIONS SYSTEM**

**(DPAS) RATING:** This purchase order may be subject to the Defense Production Act of 1950 DPAS rating. In the event the requested delivery date may not be achieved, contact Cox procurement for specific priority rating and contract number.

**53) ITAR:**

The information contained herein contains technical data within the definition of the International Traffic in Arms Regulations, and is subject to the export control laws of the United States. Transfer of this data by any means to unauthorized persons, as defined by these laws, whether in the United States or abroad, without an export license or other approval from the U.S. Department of State is expressly prohibited. Supplier shall flow the requirements of this clause to all sub-tier contractors receiving this data.

**End of Document**

Document Revision Index

Rev	Date	Description	By
M	7/9/2013	Added Revision Index. Added Drug & Alcohol requirement to #45	PJR
N	7/30/2014	Added clause #46 – Aesthetical Acceptance per AirbusM2813.	PJR
P	12/18/2014	Added clause #47 – Machine Readable Information (MRI) for purchase of part identification labels. Added sections J thru M in clause 8 per Boeing X31764.	PJR
Q	01/09/2015	Revised #46 to require protection of Zone A surfaces and unit containers.	PJR
R	01/09/2015	Editorial changes to #42.	PJR
T	08/19/2015	Revised #47 to define file format and delivery media for UID scorecards. Corrected Revision Index at Rev R.	PJR
U	01/18/2016	Added SPAP #48	PJR
V	11/02/2016	Added subpart N to clause 8.	PJR
W	03/01/2017	Added SPAP #49 DPD w/ ITAR	PJR
Y	04/29/2019	Added SPAP #50 for GSE. Corrected revision date for "W" – was 03/01/2016.	PJR
AA	02/11/2020	Revised language in SPAP #3 Revised SPAP #40	CGK
AB	02/26/2020	Added SPAP #51 – DFARS Added SPAP #52 – Sikorsky Product, SSQR-01 applies	CGK LLS
AC	05/15/2020	Added clause 8 part "O" to flow down AS9100 requirement as noted in sec 8.4.3	JB/TP
AD	10/26/2020	Removed SPAP #52	CGK
AE	11/05/2021	Add SPAP #52 DPAS clause	LS
AF	05/06/2022	In response to the 2022 TUV audit: Added 8P to flow down Cox sampling process;;added 8Q to define specification revision control; revised clause #31 to reflect current requirements	LS/JB
AG	07/17/2023	Deleted unused clauses 9, 10, 11, 19, 21, 22, 26, 33, 37, 36, 43, and 48. Rewrite 1, 3, 8, 40, and 41 for clarity. Split 49 and move ITAR portion to new clause 53.	LS/AN