



**Precision Air & Land Systems**

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Precision Air & Land Systems

*(Specific to Raytheon)*

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## **AMENDMENT RECORD**

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## **1.0 INTRODUCTION**

### **1.1 Scope**

This document defines the methodology, policies, objectives, quality assurance (QA) requirements and approval process employed at Ultra for the selection and control of suppliers for Raytheon Programmes.

This document should be read in conjunction with PUR-SOPS 003 – Requirements for Suppliers. Where conflict arises between this document and PUR-SOPS 003, this document will take precedence. Where conflict arises between this document and the Purchase Order; the Purchase Order will take precedence.

### **1.2 Compliance Matrix**

The supplier shall complete Compliance Matrix PUR-FORM-009 then return to UEPALS purchasing Department.

UEPALS Purchasing will then use the supplier response to populate the supplier compliance log.

### **1.3 Purpose**

The purpose of this document is to specify the Raytheon specific requirements for Suppliers of products or services against an Ultra purchase order furnished for and used on any Raytheon Programme.

### **1.4 Definitions**

All definitions used within this document are as referenced within BS EN ISO 9000:“Quality management systems – “Fundamentals and Vocabulary” latest revision, with the exception of the following:

#### **Purchase Order**

The documentation used by the purchaser to procure products, goods or services.

#### **Item**

The subject matter on the purchase order

#### **Proprietary Equipment**

Any item where Ultra does not hold or have claim to the intellectual property rights.

#### **First Article Inspection**

A complete, independent and documented physical and functional inspection process to verify that prescribed production methods have produced an acceptable item, as specified by engineering drawings, planning, purchase order, engineering specifications, and/or other applicable documents.

Concession / Waiver / Variance

Is permission granted after manufacture or in service, to use or release a product that does not conform to specified requirements?

It also covers written authorisation obtained prior to manufacture, or provision of a service, or a specific departure from requirements, for a specified quantity of items or period in time.

**2.0 APPLICABLE DOCUMENTS**

The following documents should be read in conjunction with PUR-SOPS-021:

- PUR-SOPS-003
- Ultra Purchase Order
- Raytheon Supplier Flowdown Terms

**3.0 GOVERNMENT DATA EXCHANGE PROGRAM**

The Supplier, where eligible shall participate in the Government Industry Data Exchange Program (GIDEP) monitoring and acting on GIDEP reports which affect product delivered to the Buyer. When suspect or confirmed counterfeit item(s) associated with this purchase order are discovered the Seller shall issue a GIDEP report and shall ensure suspect counterfeit items are not delivered to Ultra. Seller shall immediately notify the Ultra Buyer with the pertinent facts if Seller becomes aware or suspects that items delivered in accordance with the Ultra purchase order are or contain suspect or confirmed counterfeit items. When requested by Ultra Buyer, the Seller shall provide OCM/OEM documentation that authenticates traceability of the affected items to the applicable OCM/OEM.

Any organization that meets one of the following criteria may become a GIDEP member:

- U.S. or Canadian industrial organization who supplies items or services (directly or indirectly) to the U.S. Government or to the Canadian Department of Defence
- U.S. or Canadian government department, agency, or activity
- Licensed U.S. Public Utilities Company

**4.0 NO CHANGES WITHOUT APPROVAL**

No changes in materials, processes, procedures, design interfaces or software which affects the form, fit, function, safety, weight, maintainability, service life, reliability, replaceability, or interchangeability of the items to be delivered to Ultra shall be made without prior written approval/acknowledgement from the Ultra Buyer. Prior to implementing such a change the supplier shall submit a change request to Ultra Buyer and await written confirmation that the change is accepted. Any actions detailed in the acceptance must be completed prior to shipment.

### 3.1 Change Risk Analysis

Listed below are examples (not all inclusive) of events which the supplier shall evaluate for product impacts as defined above.

- Plant Relocation
- Material Change
- Equipment Change
- Design Change
- Sub Tier Supplier Change
- New Equipment
- Name/Cage Code Change
- Process Change
- Drawing Conflict

### 5.0 REQUIREMENTS FOR SOLDERED COMPONENTS

Electronic, electrical, electromechanical, and mechanical piece parts and assemblies, including the internal fabrication of hardware, delivered to Ultra shall not have pure tin finishes. Additionally, any tin-lead (SnPb) plating or solder process/processing shall result in a finish of no less than 3% lead composition.

Note: This applies to component leads and terminations, carriers, bodies, cages, brackets, housings, mechanical items, hardware (nuts, screws, and bolts), etc. This does not apply to MIL-SPEC Parts or Ultra Drawings that allow the use of Tin (Sn) with less than 3% Lead (Pb).

Seller shall provide a Certificate of Conformance (C of C) with each shipment. The C of C shall mean that the Seller or Seller's agent has verified that delivered product meets the above listed composition requirements, or the material meets at least one of the following provisions:

- A. Seller or Seller's agent has contacted the Original Equipment Manufacturer (OEM) and verified that the specific Mfr / Lot Date Code of delivered product meets the specified minimum lead (Pb) requirement if Tin (Sn) is present in the product.
- B. Seller or Seller's Subcontractor has verified by actual sample testing (X-ray Fluorescence testing is preferred) or other industry acceptable method that a minimum of 3% lead (Pb) is present in any process that uses tin (Sn).

Seller shall be responsible for managing the compliance with this requirement with subcontractors or sub-tier suppliers, and provide evidence of the appropriate flow-down and management of this requirement to the satisfaction of the Buyer or designate.

Unless otherwise specified in this quality attachment, all exceptions must be authorized in writing by the Ultra Buyer.

## **6.0 CUSTOMER SURVEILLANCE**

Supplies and services supplied are subject to surveillance/inspection/test, at the Buyer's discretion, by the Buyer's Quality Representative at Seller's plant. Specific surveillance/inspection/test activities selected by the Buyer's Quality Representative may include review of all aspects of the production system, witnessing of processes, points of test, and in-process inspection/test as required to verify conformance.

Review of Quality Inspection System documentation may be performed that covers any item affecting conformance such as calibration of equipment, inspection reports, inspection instructions, procedures and configuration control, skills certification, and packaging methods. Buyer's Quality Representative may conduct final inspection/test as necessary to determine conformance to this purchase order. Seller shall not ship items without surveillance/inspection/test by Buyer's Quality Representative unless one of the following has occurred:

- Previously authorized in writing by the Buyer.
- Purchase order clearly states Surveillance is not required

Seller shall not ship items suspended by the Buyer's Quality Representative, unless authorised in writing by the Buyer.

## **7.0 SUPPLIER FLOWDOWN**

Suppliers will flow down all applicable requirements of the purchase order and applicable documents to their suppliers to insure conformance with all specifications, drawings, quality systems requirements (ie ISO9001, AS9100, or other), regulations, public laws and other requirements as may be specified in the purchase order.