

WILLIAMS-PYRO, INC.
PURCHASE ORDER QUALITY REQUIREMENTS

001 QUALITY SYSTEM

The Supplier shall maintain a quality and/or inspection system that complies to:

- A. MIL-I-45208A or ISO 9000 series.
- B. MIL-Q-9858A or ISO 9000 series.
- C. FAR 52.246-2 inspection requirements.

002 ORDER OF PRECEDENCE

In the event of conflict between specifications, drawings, and PO, the following order shall take precedence:

- 1. Purchase order
- 2. Directed attachments
- 3. Drawings
- 4. Specifications
- 5. Referenced documents

003 SUBSTITUTIONS

Substitutions and changes are not permitted unless authorized in advance by a WPI PO Change Order.

004 SUPPLIERS

- A. Supplier shall use only Sub-Tier Suppliers who have been previously approved by WPI and/or WPI Customers.
 - a. Supplier shall control Sub-Tier Supplier procurements to ensure that any and all requirements specified are fulfilled.
- B. WPI has the right to conduct surveys, audits and inspection of Supplier's and/or Sub-Tier Supplier's facilities to determine competence and to verify continuing compliance with the requirements of the WPI PO.
 - a. During performance on this PO, the Suppliers and/or Sub-Tier Suppliers quality and/or inspection system and manufacturing processes are subject to review and verification by WPI and WPI Customers.

005 SOURCE CONTROL

- A. Only those Suppliers listed on the drawing are approved suppliers of this product.
- B. QPL - Items ordered are to be supplied from a qualified manufacturer appearing in the applicable Qualified Products List.

006 FIRST ARTICLE

A representative sample of material furnished from the first production run and shall be accompanied by variable measurement data showing full compliance of each dimension shown in the drawing. Attributing data shall be furnished for each dimension accepted with functional gauging. Testing to specifications shall also be provided is required.

007 IN-PROCESS INSPECTION

Supplier performance of in-process operations to stated requirements shall be verified by WPI Quality Personnel during manufacture at one or more of the following, as specified by the WPI PO:

- A. Prior to encapsulation or conformal coating process;
- B. Prior to cleaning;
- C. Prior to plating;
- D. Prior to assembly;
- E. As specified: _____

008 SOURCE INSPECTION

- A. Government inspection is required prior to shipment from the Supplier's facility.
 - a. Upon receipt of the WPI PO, the Supplier will notify the applicable Government representative so that appropriate planning for Government inspection may be accomplished.
- B. On receipt of the WPI PO, the Supplier shall promptly furnish a copy to the Government representative, or to the nearest Army, Navy, Air Force, or Defense Supply Agency inspection office. In the event the representative or office cannot be located, the WPI Buyer should be notified immediately.

009 CONFORMANCE RESPONSIBILITY

- A. Neither inspection and/or tests made by WPI or by Government representatives shall relieve the Supplier of the responsibility to furnish a product that conforms to the requirements stated on the WPI PO.
- B. The Supplier shall notify the WPI Buyer in writing when discrepancies in the Supplier's process or product are discovered and/or suspected which may affect parts or assemblies that the Supplier has delivered and/or will deliver under the WPI PO.

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010 CALIBRATION

Product acceptance inspections and tests, conducted in fulfillment of this order, shall be performed with calibrated equipment traceable to NIST.

011 TEST DATA

- A. Test Data - Functional assemblies furnished here under shall be accompanied by lot acceptance test data showing full conformance with the acceptance test or other functional requirements of the drawing.
- B. Test Reports - A test report shall be furnished giving the military, federal, or industrial specifications by which the described item on the PO is tested and the actual test data measured. The test report shall be signed by an authorized agent of the supplier or laboratory and the title of the person stated.
- C. Inspection Results - A list of all characteristics checked and the results are provided to WPI.
- D. Results are retained on file by the supplier for a period of five (5) years upon PO completion and are available for WPI and/or WPI Customer review and/or inspection upon request.

012 CERTIFICATION

- A. Certificate of Compliance: One shall be completed and returned with each shipment and shall identify as a minimum the following:
 - 1. Part number;
 - 2. WPI PO number and line number;
 - 3. Serial number and revision (if applicable);
 - 4. Statement certifying that all material delivered under the referenced PO complies with part numbers, specifications and/or drawings noted and was inspected as stated and is available for review by WPI, WPI Customer(s) and/or Regulatory Authorities upon request. Welder Certification: Shall be in accordance with MIL-STD-1595.
- B. Certification of domestic metal origin: Supplier and all sub-tiers are prohibited from incorporating into military parts, components,

and/or "end-item deliverables", specialty metals which have been melted outside of the United States, its possessions, or Puerto Rico, unless certain limited exceptions as set forth in the clause or DFARS subpart 225.7002-2 apply.

- C. Prohibited Material - All constructions and finishes containing pure cadmium or pure zinc are prohibited. In addition, constructions and finishes containing pure tin are prohibited unless they contain a minimum of 3-weight percent alloying element(s) (i.e. lead, silver, etc.). Seller shall submit a certificate with each shipment stating that no prohibited materials are present in their deliverable product.
- D. Chemical/Physical Certification - Data showing conformance with the applicable raw material specification (i.e. material test reports) shall be furnished with product delivered. Data shall be signed and certified to be accurate by an official of an applicable testing agency.
- E. Critical and Limited-life Certification or Compliance -
 - 1. Materials or items having characteristics susceptible to degradation must be marked accordingly indicating the date at which the critical life was initiated or the useful life will be exhausted.
 - 2. Material such as paint, rubber, adhesives, lubricants, etc., shall not be used after the expiration date unless the Supplier can provide evidence of re-validation.
 - 3. Rubber goods must have the package/container stamped with its cure date or date of assembly.
- F. Material Shelf Life Certification - Material, chemical or item received shall have a minimum of 75% of its original shelf life upon receipt in our facility and MSDS sheet shall be included with item.
- G. Record Retention - Documentation required, as stated on the WPI PO,

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shall be retained by the supplier for a period of five (5) years upon PO completion and made available for WPI, WPI Customer(s) and/or Regulatory Authorities upon request.

013 OBJECTIVE EVIDENCE

Evidence consisting of data and/or certifications showing complete product and raw material specification conformance for all items used in product manufacturing and/or traceability to such data/certifications at the Supplier's and Sub-Tier Supplier facilities shall be:

- A. Retained on file and available for review to WPI for a period of five (5) years upon completion of WPI's PO.
- B. Delivered with each shipment hereunder.

014 PACKAGING

Material delivered here under shall be packaged in accordance with:

- A. Standard Commercial Practice - All material shall be protected against corrosion, contamination, deterioration, or other spoilage during transit. All material shall be packed with suitable protection as to prevent damage through handling, transit, and during storage prior to use. Packaging will be in accordance to "Best Commercial Practice" unless otherwise stated.
- B. Military Specified - The stated item shall be packaged in accordance with the given military specification as stated on the WPI PO.
- C. ESD Protection - Electrostatic discharge protection per MIL-STD-1686 and MIL-HDBK-263 is required.

015 CORRECTIVE ACTION

- A. When a quality problem exists or arises with a Supplier item, WPI reserves the right to forward a Corrective Action Request to the Supplier, requiring a timely response that shall include the following information:
 - 1. A root-cause analysis;
 - 2. Statement of the action taken to prevent recurrence;
 - 3. The affectivity date of the action.
- B. When corrective action is required for Government source-inspected items, the Supplier shall coordinate with the WPI and the applicable Government quality representative.