

# Premier Precision Group - Arrow Facility

## Arrow Supplier Quality Requirements (ASQR)

### **AQR-1 QUALITY SYSTEM**

Supplier must maintain a quality system that meets, as a minimum, the requirements of ISO9001-2000, unless otherwise directed by PPG-Arrow Facility QA organization. Immediate notification is required in case of non-compliance to quality system requirements, e.g. loss of third party certification.

### **AQR-2 GOVERNMENT SOURCE INSPECTION**

Government Inspection is required prior to shipment from your facility. Upon receipt of this order, promptly notify the government representative normally servicing your facility so that the appropriate planning can be accomplished. If a government representative does not service the suppliers' facility, notify the nearest Defense Contract Administrative Office for direction, or PPG-Arrow Facility.

### **AQR-3 CERTIFICATE OF CONFORMANCE**

A certificate of conformance shall accompany each shipment of material defined in the purchase order. The certificate of conformance shall be legible and include the PPG-Arrow Facility purchase order number, part number, and revision letter (unless otherwise specified on the purchase order, the revision letter must be the latest revision in effect at the time of shipment), quantity, the PPG-Arrow Facility work order number or when specified the PPG-Arrow Facility material lot number (when purchaser supplied material) and the mill heat number when supplier supplied material, at a minimum. When multiple lots of material are used in completing a shipment, parts shall not be mixed and all material lot numbers or mill heat numbers shall be reported. When processing is performed against a PPG-Arrow Facility work order, parts shall not be mixed and traceability shall be maintained to the work order.

### **AQR-4 SAMPLING INSPECTION**

Sampling inspection plans shall not allow defects within the sample. If defects are found within the sample, 100% inspection shall apply. All sampling plans must be submitted to PPG-Arrow Facility for approval.

### **AQR-5 CHEMICAL AND PHYSICAL TEST REPORTS**

For raw material shipments, or where material was supplied by the supplier, physical and chemical test report certifications shall be supplied with each shipment. Test reports shall be

legible and include the material designation, specification and revision letter (material must be certified to the latest revision in effect at the time of shipment), results of all specified testing requirements, the mill heat number, and any other requirements specified on the purchase order and must be traceable to the material.

### **AQR-6 RECORD RETENTION – NON-AEROSPACE**

Supplier shall retain all records pertaining to material, manufacturing processes, special processes, testing, and inspection for a minimum of three (3) years as applicable. Supplier shall notify PPG-Arrow Facility prior to destruction.

### **AQR-6A RECORD RETENTION - AEROSPACE**

Supplier shall retain all records pertaining to material, manufacturing processes, special processes, testing, and inspection for a minimum of ten (10) years as applicable. Supplier shall notify PPG-Arrow Facility prior to destruction.

### **AQR-7 FIRST ARTICLE INSPECTION**

First Article Inspection is required on a part representative of the production process to be used in the manufacture of these parts. A copy of the First Article document must accompany the first shipment of parts. If two years have elapsed since the last shipment of this part number, a new First Article Inspection is required. An AS9102-compliant first article inspection report (FAIR) must be completed when required by PPG-Arrow Facility. If an AS9102-compliant FAIR is not required, a PPG-Arrow Facility First Article Inspection Form or equivalent supplier form may be used and shall include the following:

PPG-Arrow Facility part number and drawing revision level;  
every characteristic including:

- Tolerance (even if it is a block tolerance)
- Actual measured value
- Method of Gauging
- Accept/Reject indication

Where physical testing is required, the results of the test must be recorded. Where special processes are required, verification of each special process must be recorded, applicable certifications retained, and available for review (or submitted with the FAIR if requested by PPG-Arrow Facility). The signature and title of the person performing the inspection and date of inspection must also be included.

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### **AQR-8 SURVEY/AUDIT RIGHTS**

PPG-Arrow Facility customers and/or regulatory agencies shall have the right to conduct surveys and perform surveillance of supplier facilities to evaluate their capability to comply with contractual requirements.

### **AQR-9 SPECIAL PROCESS APPROVAL**

Heat treating, welding, electroplating, laser cutting, EDM, ECM, non-destructive testing, etc. are considered special process and require approval by PPG-Arrow Facility or NADCAP prior to use. The Certificate of Conformance shall include the specification number and revision of all special processing performed. Special processes, once approved, may not be changed without PPG-Arrow Facility or NADCAP approval of the changes.

### **AQR-10 APPROVED INSPECTION PLAN**

When requested; suppliers shall submit a detailed inspection plan to PPG-Arrow Facility for approval before manufacturing begins. Supplier inspection shall be in accordance with the PPG-Arrow Facility approved inspection plan for the part number ordered.

### **AQR-11 APPROVED SOURCE OF MATERIALS**

All material used in fulfilling this order must be supplied by a supplier approved by PPG-Arrow Facility unless specifically authorized in writing to the contrary.

### **AQR-12 TEST AND INSPECTION REPORTS**

Test and inspection reports, with measured data as required by the applicable procurement specification, must accompany each shipment.

### **AQR-13 STATISTICAL PROCESS CONTROL**

Statistical Process Control is required during the manufacture of the item(s) for which this requirement is called out. SPC shall be in accordance with a plan approved by PPG-Arrow Facility Quality Assurance.

### **AQR-14 CORRECTIVE AND PREVENTATIVE ACTION REQUESTS**

Timely response to PPG-Arrow Facility requests for corrective and preventative action is required as circumstances dictate. The use of techniques to arrive at true root causes is expected.

### **AQR-15 SUPPLIER SOFTWARE CONTROL PROGRAM**

If software is used to control the manufacture, test, or acceptance of this purchase, the

supplier shall maintain a program for positive control over revision status and program integrity. Software control plans are subject to approval by PPG-Arrow Facility.

### **AQR-16 EXPORT/IMPORT CONTROLS**

Supplier shall control the disclosure of, and access to, technical data, information, and other items including hardware received under this purchase order in accordance with U.S. export control laws and regulations, including but not limited to the International Traffic in Arms (ITAR) and the U.S. Department of Commerce, Bureau of Industry and Security (BIS), and Export Administration Regulations. Contact Premier Precision Group's Arrow Facility purchasing for clarification or applicability if necessary.

### **AQR-17 SPECIALTY METALS**

DFARS 252.225-7014 Preference for Domestic Specialty Metals (Apr 2003) applies to this order if specialty metals are being furnished. Contact PPG-Arrow Facility's purchasing for clarification or applicability if necessary.

### **AQR-18 PACKAGING AND PRESERVATION**

The supplier shall maintain controls to assure accomplishment of preservation, packaging, and shipping requirements of the contract. The use of commercial practices shall not relieve the supplier of responsibility for packaging in a manner that will insure receipt of supplies at PPG-Arrow Facility in acceptable condition.

### **AQR-19 APPROVED SUPPLIERS**

All PPG-Arrow Facility approved suppliers are responsible for maintaining a list of their approved suppliers, and shall have it available upon request for review by PPG-Arrow Facility Quality Assurance. Information shall include name, address, nomenclature of parts or services provided, part numbers and other pertinent information requested by PPG-Arrow Facility Quality Assurance. Suppliers shall only purchase aircraft related parts from suppliers which are controlled by PPG-Arrow Facility Quality Assurance by approval or inspection.

### **AQR-20 KEY CHARACTERISTICS**

When key characteristics are present on the drawing or other technical documentation, they shall be monitored and controlled. The method of control shall be subject to review and disapproval by PPG-Arrow Facility, if requested.

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#### AQR-21 LOCKHEED MARTIN QUALITY REQUIREMENTS

Seller shall ensure all Seller sub-tier purchase orders and/or associated purchase order documents for buyer-controlled processes include the following data elements, statements, or the statement in the note after f).

- a) Seller's unique LM Aero identification number ("Vendor Code") and all LM Aero unique "process codes" for each buyer-controlled process to be performed,
- b) A statement with words, "Processing to be accomplished in performance of this purchase order is directly related to a Lockheed Martin Aeronautics Company purchase order and must be accomplished in accordance with process specification(s) on this purchase order and Lockheed Martin Aeronautics Company Appendix QJ",
- c) A statement that seller's supplier must file and maintain a copy of all purchase orders containing the above statement and make these available for review by Buyer, upon request,
- d) A statement that seller's supplier must submit a Certificate of Conformance ("CoC") with a unique certification number containing the following information:
  1. Title and specification number (including revision letter) of the process,
  2. Name and address of the process or non-destructive testing("NDT") facility,
  3. Seller's supplier's unique LM Aero identification number ("vendor or processor code"),
    - i. If processor is utilized based on a Nadcap approval, a statement to the effect "Source utilized based on current Nadcap accreditation" shall be included,
  4. Date the CoC was issued,
  5. Purchase order part number,

6. Quantity of parts (to included quantity accepted/ rejected)
7. Signature and title of authorized quality agent of Seller, and
8. Fracture durability classification or serialization, when required.

- e) A statement to ensure Seller's sub-tiers suitably wraps, boxes or racks to guard against shipping damage and to apply rust or corrosion protection, and
- f) A statement requiring Seller's sub-tier to identify specification(s) title, specific revision level(s) and drawing(s) requirement(s) to be performed by a QCS-001 source.

Note: Seller can also use the following statement in lieu of the above statements a. – f. to meet the requirements of this paragraph:

Include Seller's unique LM Aero identification number (vendor code) and a statement with the words, "Processing to be accomplished in performance of this purchase order is directly related to a Lockheed martin Aeronautics Company purchase order and must be accomplished in accordance with process specification(s) on this purchase order and the revision in effect as of the date of this PO of Lockheed martin Aeronautics Company Appendix QJ. All requirements of such Appendix QJ paragraph 12. a.-f. shall be accomplished. Appendix QJ is located at <http://www.lockheedmartin.com/material-management/>."

#### AQR-22 CALIBRATION SYSTEM COMPLIANCE OF INSPECTION, MEASURING AND TEST EQUIPMENT

A system for the maintenance and calibration of inspection, measuring, and test equipment shall be maintained. ANSI/NCCL Z540-1 applicable to calibration activities. Acceptable alternative: MIL-STD-45662A "Calibration System Requirements" All calibration standards must be traceable back to NIST (National Institute of Standards and Technology) and the NIST test number shall be included on the certificate of conformance. If any measuring equipment is found to be out of tolerance, "As Found, As Left" data shall be included.

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#### **AQR-23 NONCONFORMING MATERIAL**

The supplier must promptly notify (within 24 hours), in writing, PPG-Arrow Facility Purchasing and Quality Assurance departments when a nonconformity is suspected or discovered in the supplier's processes or components for product already delivered. Notification shall be on company letterhead and signed by a senior official. It shall include

1. A clear description of the nonconformity
2. Part numbers affected
3. Date(s) of processing
4. PPG-Arrow Facility purchase order number(s)
5. Traceability information where known, such as PPG-Arrow Facility work order number(s), lot or serial number(s).
6. Short term corrective action (containment plan) and contingency plan to meet delivery requirements.

The document to be used for this correspondence is the Supplier Concern Resolution Request – SCRR (F-206-001-06) which can be found along with the instructions on how to use the form on the PPG-Arrow website; <http://www.arrowindustrialtd.com> in it's current revision.

#### **AQR-24 BUYER FURNISHED MATERIAL**

When PPG-Arrow Facility furnishes material, the Seller's System shall provide for the following:

1. Examination upon receipt for transit damage
2. Verification of quantity
3. Storage against damage, improper use or disposition

The seller must furnish certification that the parts used were those furnished by the Buyer and no un-authorized substitution was made.

#### **AQR-25 ENGINEERING SPECIFICATION REQUIREMENTS**

Unless a particular revision of an engineering specification document is listed, use only the latest revision of the specification in effect on the date of the contract. The requirements of these documents are hereby incorporated into this PO by this reference as applicable to respective contracts.