



QUALITY ASSURANCE REQUIREMENTS FOR SELLERS

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The following items, when specifically referenced in the purchase order by number, form a part of the purchase order in addition to all other clauses, terms and conditions, and drawings and specifications which are made a part of the purchase order. Unless otherwise specified, specifications referenced herein shall be of the issue in effect on the date of request for quotation.

1. **QUALITY SYSTEM** - The Seller shall provide and maintain a quality program acceptable to the Buyer for all supplies and services covered by this purchase order. If the seller does not have a quality program certified by an Industry Controlled Other Party (ICOP) then their quality program shall be compliant to applicable requirements as stated in ISO 9001 and/or AS 9100 standards or other controls established to ensure conformance to purchase order requirements.
2. **INSPECTION SYSTEM** - The Seller shall provide and maintain an inspection system acceptable to the Buyer for all supplies and services covered by this purchase order. The inspection system shall be in accordance with Military Specification MIL-I-45208A. The Seller, in addition, shall establish and maintain a system which complies with applicable requirements of MIL-C-45662, ANSI/NCSL Z5401, ISO 10012, or ISO 9001, for the calibration of all measuring and test equipment used in fulfillment of the purchase order requirements. The application of this requirement to the purchase order does not imply authorization for independent MRB action. Requests for use of non-conforming material must be made at each specific occurrence, and approval obtained from the Buyer's Quality Assurance Department.
3. **NOTIFICATION OF SIGNIFICANT CHANGES** - The seller shall notify the buyer of changes in product and/or process definition and obtain buyer approval.
4. **GOVERNMENT SOURCE INSPECTION** - Government Inspection is required prior to shipment from Seller's plant. Upon receipt of this order, Seller shall promptly notify and furnish a copy to the Government Representative normally servicing Seller's plant so that Government Inspection can be appropriately planned. If a Government Representative does not service Seller's plant, Seller shall contact the cognizant Defense Contract Administration Services District (DCASD) for direction. If Seller cannot locate the Government Office, Seller shall notify Buyer's Purchasing Agent immediately.
5. **BUYER SOURCE INSPECTION** - Source inspection by Buyer is required for all material covered by this purchase order, prior to shipment from the Seller's plant. The Seller shall notify the Buyer's Quality Assurance Department at least seven (7) days prior to the date material will be ready for inspection. Buyer may reject the material if non-conforming and require that full corrective action be completed prior to shipment.
6. **STANDARDS OF WORKMANSHIP** - The Seller shall provide and maintain a written and thoroughly descriptive standard of workmanship directly applicable to the nature and level of work to be performed under this purchase order. A copy shall be furnished to the Buyer upon request. The Buyer may disapprove standards of workmanship considered inconsistent with the work to be performed, and request correction of deficiencies. Standards of workmanship must satisfy as a minimum the requirements of MIL-STD-454 and any other specifications applicable to the purchase order. The Buyer may impose his own standards of workmanship if the Seller is unable to comply with this requirement.
7. **GOVERNMENT/CUSTOMER ACCESS** - During performance of this order, Seller's Quality Control or Inspection System and Manufacturing processes are subject to review, verification, and analysis by Lourdes Industries, Inc., their customers and Regulatory Agency/Government Representatives. Government inspection or release of product prior to shipment is not required unless Seller is otherwise notified. A copy of this order will be furnished to Seller's Government Representative upon request.
8. **SPECIAL PROCESS CONTROL** - Buyer approval of Seller's special processes, operating personnel, equipment and process procedures is required. Seller shall provide copies of procedures, control plans/travelers and personnel certifications upon request. If the Seller uses a facility other than his own, that facility is subject to the same conditions of Buyer approval. All certifications supplied as objective evidence must indicate the name and location of the facility performing each special process.
9. **CASTING REQUIREMENTS** - Castings shall meet all applicable drawing requirements. An inspection report listing actual measurements of all cast dimensions must be supplied with the first article of the initial order. Test bars and material certifications representing each melt and heat shall be supplied with each shipment. All castings supplied shall not exceed applicable limitations of porosity, 'distortion, shifts, corrosion and shall meet dimensional requirements. Repairs shall not be made to defective items without prior approval from the Buyer's Quality Assurance Department.
10. **CERTIFIED WELDERS** - All fusion welding must be performed by welders certified in accordance with AMS-STD-1595. Welders who may be certified to another welding specification may be used upon specific approval from the Buyer. Any alternate specification used must meet the minimum requirements of AMS-STD-1595.
11. **MAGNETIC PARTICLE /PENETRANT INSPECTION** - Magnetic particle/penetrant inspection shall be performed in accordance with applicable drawing requirements. Where specific requirements are not otherwise identified, the following specifications apply:
 - a. Penetrant inspection per ASTM E-1417
 - b. Magnetic particle inspection per ASTM E-1444-91Personnel performing inspections shall be qualified in accordance with NAS-410. A report of the results of inspection shall accompany each lot shipped.
12. **RADIOGRAPHIC INSPECTION** - Radiographic inspection shall be performed in accordance with applicable drawing requirements. Where specific requirements are not otherwise identified, ASTM E-1742 shall apply. The Seller shall furnish X-ray film identifiable to each part, and two copies of the X-ray laboratory report with each shipment.
13. **TEST BARS** - Two (2) test bars and material certification must be submitted with each shipment of castings, for each melt and heat.
14. **SHEAR SPECIMENS** - The seller shall furnish three (3) shear specimens in accordance with AMS-W-6858, for each lot of material on which resistance welding (Spot or Seam) is performed. Samples shall be prepared for each lot concurrently with the performance of welding. Welding machines shall be qualified to AMS-W-6858.
15. **PRINTED CIRCUIT REQUIREMENTS** - For each lot of printed circuit cards with plated through holes delivered against this purchase order, the seller shall furnish a micro sectioned sample of the plated through holes taken from a sample board or strip from the same lot, and a lab report indicating that the sample meets the requirements of IPC-D-275 and IPC-2221. All printed circuit boards delivered against this purchase order shall be



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- capable of passing the qualification test specified in MIL-PRF-31032.
16. **CURE/MOLD/MFG DATE** - The seller shall furnish with each shipment made against this purchase order complete information in accordance with applicable military specifications, relative to the limited life of the material supplied. Each unit package or container shall be marked. Rubber products, whether individually supplied or in assemblies, shall be identified as to cure or mold date. Containers of life limited materials shall be marked with the date of manufacture and/or the expiration date. In no case shall material be supplied with more than 25% of its useful life expired, unless authorized by the buyer.
 17. **IDENTIFICATION/SERIALIZATION** - Each item delivered against this purchase order shall be identified by a unique part or type number. Control of individual items or lots shall be maintained by use of one or more of the following methods: date codes, lot number, serialization. Where individual items are furnished with inspection/test acceptance reports, each item shall be serialized and traceable to the data.
 18. **CHEMICAL/ PHYSICAL CERTIFICATION** - The seller shall furnish certificates of physical tests and/or chemical analysis for material delivered against the purchase order. The heat, batch, melt numbers, etc., applicable to the material shall be included in the certificates.
 19. **INSPECTION/TEST ACCEPTANCE REPORTS** - The seller shall furnish inspection/test acceptance data for each individual item delivered against this purchase order, indicating full conformance to all purchase order requirements and approved by Seller's Quality Assurance. Reports shall identify Buyer's purchase order number, Seller's name and location, item delivered, date codes or lot numbers or serial numbers, applicable drawings/specifications, date of inspection, parameters measured/tested with applicable limits and conditions, quantitative data recorded against each parameter, and a summary of results.
 20. **CERTIFICATE OF TEST AND CONFORMANCE** - The seller shall furnish with each shipment against this purchase order, a certificate indicating full conformance to all purchase order requirements and approved by Seller's Quality Assurance. The certificate shall identify Buyer's purchase order number, Seller's name and location, item delivered, date codes or lot numbers or serial numbers, applicable drawings/specifications, date of inspection, tests performed/parameters measured with applicable limits and conditions, total quantity submitted for tests, and the quantities accepted for shipment and rejected. The certificate shall further state that test reports and certifications for all material, parts and processes used in manufacture are on file and available for examination.
 21. **CERTIFICATE OF COMPLIANCE** - The seller shall furnish with each shipment against this purchase order a certificate indicating full conformance to all purchase order requirements and approved by Seller's Quality Assurance. All Certificates of Compliance and/or Chemical/Physical Certifications, for material covered by this purchase order, must contain the following information:
 1. Signature and title of an authorized representative of your company.
 2. Date the Certificate is issued and signed.
 3. Lourdes Purchase Order Number.
 4. Specific item and part number, cover by the Certification, when more than one item appears on the order.
 5. Applicable quantity/lot size when partial shipments are made against an item.
 6. Applicable specifications (Latest revision unless otherwise specified).
 7. The Certificates shall further state that all Quality records associated with the product, such as test reports and certifications for all material, parts and processes used in manufacture are on file and available for examination for a period of 10 years.Failure to comply with the above will be cause for rejection, which will delay processing of your invoice. Repeated occurrence could result in the removal of your firm from our Approved Vendor List.
 22. **QUALIFICATION DATA** - For each item on the purchase order, the seller shall furnish with the first shipment against this purchase order, a copy of the latest completed lot evaluation performed on any device within the same family of devices. The buyer may disapprove data considered not relevant to current production, or to the device supplied.
 23. **FOREIGN OBJECT DAMAGE (FOD)** -The supplier shall make provision for the prevention, detection, and removal of foreign objects including identifying, handling and storing articles to ensure against contamination, corrosion, damage, deterioration and invasion of foreign objects or substances.
 24. **DOCUMENTATION** - All required documentation (drawings, specifications, forms, purchase orders, etc.) shall be at the latest date and or revision level, unless otherwise specified by the customer.
 25. **ELECTROSTATIC CONTROL PLAN (ESD)** - The Supplier must take necessary precautions to ensure static sensitive items or repair services to static sensitive items are protected from electrostatic discharge events. Additionally, the supplier is required to have an ESD Control Program Plan and artifacts for MIL-HDBK-263, titled "ESD Control Handbook for Protection of Parts, Assemblies, and Equipments".
 26. **FLOW DOWN** As required by the terms of purchase orders from the buyer, the seller will comply with specific customer requirements as listed on our purchase order to the seller.
 27. **AUTHENTIC & CONFORMING MATERIAL** - The seller shall provide and maintain a Materiel authenticity assurance plan which is compliant to applicable requirements of AS5553 & AS6174 so that the risk of counterfeit material and parts is minimized.
 28. **OTHER** - As specified in purchase order.