

**BAE**

**SOP 1041**

**Specific Procurement Quality Requirements**

## SPECIFIC PROCUREMENT QUALITY REQUIREMENTS

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## 1. OBJECTIVE

This Standard Operating Procedure (SOP) describes the process for communicating company and customer product quality requirements and expectations to approved external suppliers to ensure purchased product conforms to specified purchase requirements. This is accomplished by flowing specific procurement quality requirements through quality text codes and/or notes on purchasing documentation including, but not limited to, Supplier Quality Manual, terms and conditions, purchase requisitions/purchase orders, engineering drawings, or other specified documents. Suppliers shall comply with applicable export compliance, customer/government property, material review board, configuration control, calibration/tooling, and quality records requirements. Suppliers shall flow these requirements to subtier suppliers whenever transferring work outside of their facilities.

## 2. SCOPE

This SOP applies to all external suppliers and subtier suppliers which furnish products, processes, or services incorporated into contractually deliverable end items produced by BAE Systems, Aerospace & Defense Group, Inc., Phoenix, AZ.

This SOP applies to:

- Customer designated source, sole source, and subtier suppliers
- Suppliers which perform calibration, manufacturing, inspection, and/or testing services
- Suppliers which perform special processes (ANSI, ASTM, MIL, NADCAP, SAE, etc.)
- Distributors of standard catalog hardware (AN, MS, NAS)
- Suppliers of Qualified Parts List (QPL) items

This SOP does not apply to:

- Distributors of office equipment and supplies
- Facilities, janitorial, landscape, or maintenance services or supplies
- Freight or transportation carriers and packaging suppliers
- Sales or representative type suppliers
- Training or consulting services

## 3. RELATED DOCUMENTS

BAE Systems Forms (For Internal Use)

SIM 48, Purchase Requisition or MRP/ERP Purchase Order

SIM 1643, AS9102 FAI Requirement (or supplier equivalent)

SIM 1699, Supplier Information Packet

BAE Systems COPs & SOPs (For Internal Use)

SOP 17, Engineering Change Order Procedure

SOP 204, Gage Calibration Procedures

SOP 205, Receiving Inspection Procedures

SOP 206, Nonconforming Material  
SOP 207, Supplier Quality  
SOP 214, First Article Inspection  
SOP 220, Customer Property Control  
SOP 222, Tool Management System  
SOP 228, Quality Assurance Manual  
SOP 236, Corrective and Preventive Action  
SOP 240, Manufacturing Planning Procedures  
SOP 604, Records Management Program  
SOP 1024, Planning & Purchasing Procedures  
COP 1036, Export and Import Compliance Manual

#### **4. DEFINITIONS / LIST OF ABBREVIATIONS**

ANSI	American National Standards Institute
ASQ	American Society for Quality
AWS	American Welding Society
CARC	Chemical Agent Resistant Coating
COC	Certificate of Conformance or Compliance (or equivalent)
DCMA	Defense Contract Management Agency
ERP	Enterprise Resource Planning
ESDS	Electrostatic-Discharge-Sensitive
FAI	First Article Inspection
FAR	Federal Acquisition Regulation
FAIR	First Article Inspection Report
FMVSS	Federal Motor Vehicle Safety Standards
NIST	National Institute of Standards and Technology
MRP	Material Requirements Planning
PC	Printed Circuit
PO	Purchase Order
PQR	Procurement Quality Requirement
QAR	Quality Assurance Representative
QPL	Qualified Product List
SCAR	Supplier Corrective Action Report
SNMR	Supplier Nonconforming Material Report
SOP	Standard Operating Procedure
WPS	Welding Procedure Specification

## 5. RESPONSIBILITIES

### 5.1 BUYER / PLANNER

The Buyer/Planner is the designated point-of-contact for communicating requirements and authorizing work to suppliers through the generation and issuance of purchase orders or other documentation. Buyer/Planners are responsible for communicating changes to the supplier in writing by modifying and/or amending the purchase order. Changes should be evaluated for their impacts on affected hardware (in-stock, in-process, in assembly, in service) and/or tooling prior to implementation. The Buyer/Planner is responsible for updating the build documentation accordingly to reflect changes and communicate supplier related issues to the appropriate BAE Systems personnel.

#### 5.1.1 PROGRAM QUALITY ENGINEER/MANAGER

The Program Quality Engineer or Manager evaluates, interprets, and determines product quality requirements, interfaces with customer representatives and internal stakeholders concerning quality issues, dispositions nonconforming material, determines necessary containment, corrective and/or preventive actions, reviews and approves Supplier Nonconforming Material Reports (SNMRs), as well as documents Quality Engineering issues.

#### 5.1.2 SUPPLIER QUALITY ENGINEER

The Supplier Quality Engineer communicates quality issues detected during inspection activities to internal stakeholders and to the suppliers, reviews SNMRs, qualifies and evaluates supplier performance, issues Supplier Corrective Action Requests (SCARs) and tracks until completion, and maintains internal quality records on suppliers.

## 6. QUALITY TEXT CODES

Quality personnel shall flow down the following quality text codes on purchase orders when applicable.

### 6.1 CERTIFICATIONS (Q1)

**Each shipment must contain the following when specified:**

- a. **Material Certifications:** Each shipment shall include material certifications that indicate conformance with the latest specification revision or as defined by drawing or Purchase Order (PO). Reports must be complete, legible, reproducible, and authentic. The name and title of the authorized representative shall appear on the certification in print or type and shall bear that person's signature and the date.
- b. **Mechanical Certifications:** Each shipment shall include mechanical certifications in conformance with the latest specification revision or as defined by the drawing or PO. Reports must be complete, legible, reproducible, and authentic. Certifications shall include the mill name and heat number (Reference Procurement Quality Requirement (PQR) Clause 15). The name and title of the authorized representative shall appear in print or type on the certification and shall bear that person's signature and the date.
- c. **Chemical Test Reports:** Chemical Test Reports shall be in conformance with the latest specification or as defined by drawing or PO. Reports must be complete, legible, reproducible, and authentic. The name and title of the authorized representative shall appear in print or type on the report and shall bear that person's signature and the date.



## 6.2 FIRST ARTICLE INSPECTION (FAI) (Q2)

- a. **Supplier-Furnished First Article Inspection Report:** The supplier is to furnish a complete FAI Report on the first production part, showing actual findings and attesting conformance to the applicable documents. The First Article part(s) shall be identified as First Article(s) with a tag attached to the part or the bag in which the part is contained. All changes to manufacturing process, tools, methods or material that may affect specification requirements shall require a new FAI Report. First Article acceptance by BAE Systems shall not constitute final acceptance of articles required, nor does it relieve the supplier of the obligation to furnish all parts / items that meet the applicable drawings, specifications, and contract requirements.
- b. **BAE Systems FAI Required Prior to Production:** BAE Systems quality personnel shall perform an FAI upon receipt in accordance with **SOP 214 First Article Inspection**. BAE Systems Purchasing Department shall provide documented acceptance of the first article to the supplier prior to the production of parts or material.
- c. **Approval of Supplier-Furnished FAI Report:** BAE Systems approval of the Supplier-Furnished FAI is required prior to complete delivery of initial shipment. The supplier shall ship the FAI piece with accompanying data showing measurements of each characteristic and confirmation of compliance to all drawing notes. If the identical configuration has been previously produced and documented without changes to fabrication process, the supplier may re-submit a copy of the previously submitted / approved FAI report reflecting previous PO number.
- d. **AS9102 First Article Inspection Report (FAIR):** The supplier shall complete an AS9102 FAI and submit an AS9102 FAIR to BAE Systems with the first shipment, if any of the following are true:
  - 1- The supplier has never manufactured this part for BAE Systems
  - 2- The supplier has not manufactured this part in the last 24 months
  - 3- There has been a change of any part of the NC programming
  - 4- There has been a design change.
  - 5- A change in Suppliers process, inspection method, tooling or location of manufacture.
  - 6- A natural or man made event which may adversely affect the manufacturing process.

Reference **SAE Aerospace Standard (AS) 9102 (R) Aerospace First Article Inspection Requirement** or **BAE Systems SOP 214 First Article Inspection** and **BAE Systems form SIM 1643 AS9102 FAI Requirement**.

## 6.3 SPECIAL PROCESS CERTIFICATIONS (Q3)

Each shipment is to include process certifications reflecting the applicable specification number with the latest revision as required by the PO, process sheet, and/or drawing. Certifications must be complete, legible, reproducible, and authentic. The name and title of the authorized representative shall appear in print or type on the certification and shall bear that person's signature and date.

- a. **Certifications Required Before Shipment:** Prior to first shipment and prior to fabrication / processing of deliverable items, the supplier shall submit process control procedures and the physical samples to BAE Systems for approval. Fabrication is not authorized until the supplier has obtained written approval of said procedures / samples from BAE Systems.

- b. **Welding Procedure / Weld Schedule:** Prior to delivery of parts to BAE Systems, the supplier shall obtain BAE Systems approval of applicable procedures. These procedures, which contain all details necessary to evaluate compliance with applicable specifications for welding operations, including procedures for repair operations, shall accompany this submittal. The supplier must receive written approval from BAE Systems prior to continuing welding operations.
- c. **Heat Treatment:** Prior to delivery of parts to BAE Systems, the supplier shall obtain BAE Systems approval of applicable procedures. These procedures, which contain all details necessary to evaluate compliance with applicable specifications for pre-heat and post-heat treat operations, shall accompany this submittal. The supplier must receive written approval from BAE Systems prior to delivery of parts.
- d. **Metal Finishing Procedure:** Prior to delivery of parts to BAE Systems, the supplier shall obtain BAE Systems approval of applicable procedures. These procedures, which contain all details necessary to evaluate compliance with the applicable specifications, shall accompany the request for approval. For items of RC40 or higher hardness, the supplier shall include pre- and post-bakeout of parts unless otherwise specified on the PO and/or technical document. The supplier must receive written approval from BAE Systems prior to delivery of parts.
- e. **CARC Painting:** This item requires CARC coating per MIL-DTL-53072 & TT-C-490. Suppliers are required to submit and have approved by BAE Systems a CARC Process Plan / Procedure prior to delivery of first item. At a minimum, this Plan / Procedure shall delineate the cleaning, painting, and test requirements of the applicable specifications and how the supplier will implement them. Corrosion resistance testing must comply with ASTM B117 & D1654. Once approved, supplier will not deviate from the CARC Plan without BAE Systems Approval.

#### 6.4 CALIBRATION SERVICES (Q4)

Suppliers performing calibration services for BAE Systems shall use equipment that has been calibrated and maintained in compliance with **ANSI/NCSL Z540-1- (latest revision)**, Calibration Systems Requirements, using standards traceable to the National Institute of Standards and Technology (NIST). Calibration certifications for applicable equipment shall contain information as specified in ANSI/NCSL Z540-1 - (latest revision). Measuring and test equipment shall be packed adequately to prevent damage in shipment or storage. All measuring and test equipment that is found to be out of manufacturer's specified tolerances shall be immediately reported to BAE Systems' Quality Assurance organization.

#### 6.5 MATERIAL/PROCESS SAMPLES (Q5)

A representative material test sample (the same as the material lot) is required. The test sample shall be processed simultaneously with the material it represents, through all special processing. The sample shall be of sufficient size and configuration to permit BAE Systems to determine heat treatment, plating, painting, etc., results in lieu of destroying a completed part. The supplier shall submit the processed test sample with completed material / parts to BAE Systems.

#### 6.6 RUBBER CURE DATE (Q6)

If applicable, the supplier shall submit with each shipment a certification or statement specifying the rubber cure date. Parts and or packaging must be marked with a rubber cure date (e.g. "I Q92") per **SAE/AS 1933** and referenced Military Specifications therein as applicable. A minimum of 75 pct of the applicable material / article shelf life shall remain upon receipt of the material by BAE Systems.

## 6.7 FLAMMABILITY (Q7)

A flammability certification to either **FMVSS 302** or **FAR 25.853**, as noted on the drawing, from the original material manufacturer or a flammability test report from a BAE Systems approved facility is required.

## 6.8 INSPECTION BY BUYER (Q8)

All work performed, the quality system, and the associated quality records shall be subject to inspection, surveillance, and testing by BAE Systems and/or Customer / Government representatives at any time. This includes the period of performance, and at all places including the plant or plants of the supplier or subtier suppliers engaged in the performance of work to fulfill this BAE Systems PO.

## 6.9 GOVERNMENT SOURCE INSPECTION (Q9)

Government inspection is required prior to shipment from the supplier's plant. Upon receipt of an order, the supplier shall promptly notify and furnish a copy of the order to the Government representative, usually the Defense Contract Management Agency Quality Assurance Representative (DCMA QAR), servicing the plant so that Government inspection can be appropriately planned. If a Government representative does not service the supplier's plant, the supplier shall notify BAE Systems' Buyer/Planner immediately. Notice to the Government shall be given 7 days prior to shipment, and BAE Systems shall be advised immediately following the supplier's notification to the Government. The Government reserves the right to inspect any or all of the materials included in all orders at the supplier's plant, including the Quality System and associated quality records.

## 6.10 QUALITY PROGRAM REQUIREMENTS (Q10)

The supplier's quality management system design must provide adequate confidence that the intended quality will be achieved. The range and detail of the procedures that form part of the supplier's quality system should depend on the complexity of the work, the methods used and the skills and training needed by personnel involved in carrying out the activity. The designated standards below are to be applied by the supplier when planning, documenting, and implementing their quality systems. Supplier must keep their publications of quality requirements current with their operations and quality systems requirements, and these shall be made available for BAE Systems review upon request.

- a. MIL-I-45208, Inspection Systems Requirements and/or ANSI/ASQ Q9002, Quality Program Requirements.
- b. MIL-Q-9858, Quality Program Requirements and/or ANSI/ASQ Q9001, Quality Program Requirement.
- c. NHB5300.4 (IC), Inspection system provisions for aeronautical and space system materials, parts, components and services.
- d. AS 9100, TS 16949, ISO 9001, or equivalent Quality Management Systems Certification.
- e. Quality Program Plan Requirements:
  1. The supplier shall establish and maintain a BAE Systems-approved Quality Program Plan applicable to the item specified within the PO.
  2. The supplier shall implement and maintain a BAE Systems Quality Program Plan applicable to the item specified within the PO.

### 6.11 CERTIFICATION OF CONFORMANCE (Q11)

The supplier is to provide a Certificate of Conformance (COC) document that shall include the following information, at a minimum:

- The supplier's name
- The supplier's address
- BAE Systems' name
- The BAE Systems PO number
- The PO line item number
- The part numbers as listed on the PO
- Serial number / lot number, as applicable
- Process specifications as applicable
- Quantity of parts certified on this shipment
- Statement attesting to the conformance of the product or service being delivered.

The name and title of the authorized representative shall appear in type and shall bear the signature of that person and the date that the document was signed.

a. Substitute for COC

If COC cannot be provided it may be replaced by a document that must include the following:

For each shipment:

Supplier Name and Address

For each item:

BAE Systems PO number and PO line number

Part Number and quantity

### 6.12 SPECIAL PROCESSES (Q12)

Thermal processing, metal finishing, metal joining, non-destructive testing, etc., shall be performed by qualified personnel / sources and are subject to BAE Systems approval.

- a. The supplier is to use BAE Systems-approved sources. A current Approved Processor Listing may be obtained from the cognizant BAE Systems Buyer.
- b. The supplier is to use BAE Systems' customer-approved sources. The names of these sources may be obtained from the cognizant BAE Systems Buyer.

### 6.13 CERTIFIED WELDING (Q13)

Certifications bearing authorized signatures for the following items are required with each receipt:

- a. Procedure. Certification that the welding is accomplished in accordance with applicable engineering specifications is required.
- b. Personnel. Certification and identification of welding personnel, procedure qualification records and welding procedure specifications conform to RYY 02-055 and MIL-TD-1595 is required.
- c. Filler Material. Conformance and traceability of weld filler material is required.
- d. All welding to comply with applicable American Welding Society (AWS) specifications. WPS's, Welder Qualifications, and written procedures regarding weld inspection and rework shall be submitted to and approved by BAE Systems prior to processing welded items.
- e. All welds shall be inspected by a Certified Welding Inspector (CWI) and all certifications of conformance shall bear the inspectors AWS CWI stamp.

- f. All welding to be done to US Army Tank-Automotive and Armaments Command Ground Combat Vehicle Welding Code – Steel 12479550. Welder Qualifications, and written procedures regarding weld inspection and rework, shall be submitted to and approved by BAE Systems prior to processing welded items. Once approved, supplier will not deviate from the welding procedures or materials without BAE Systems approval.

#### 6.14 SHELF LIFE (Q14)

Certifications for age-sensitive materials, e.g., epoxies, paint, adhesives, etc., must reflect the date of manufacture, shelf life, and applicable lot or batch number. Container label(s) must reflect applicable lot or batch number(s). The supplier shall identify all materials and articles that have definite characteristics of quality degradation with age and/or environment. The supplier shall affix this information directly on the material container and include it on the certification document. This information shall indicate the date the material's useful life was initiated and the date and/or cycle at which that material's life will be expended, in accordance with the manufacturer's instructions.

When environment is a factor in determining useful life, the identification shall include storage conditions, e.g., temperature, humidity, etc. A minimum of 75 pct of the applicable material / article shelf life shall remain upon receipt of the material by BAE Systems; otherwise, the material is subject to rejection and returned to the supplier.

#### 6.15 TRACEABILITY (Q15)

Traceability applies to this order when specified by applicable specification number or PQR clause code. Traceability of materials shall be established and maintained from raw material to delivery of the item. The traceability shall be documented and provided with each shipment.

- a. **Serialization:** The supplier shall identify items using marking methods as required by drawings, specifications, and/or the PO. Serialization logs shall be maintained to prevent duplication of serial numbers. The supplier's quality system shall ensure traceability of all serialized items and materials to the original materials. When two or more serialized parts are joined in an assembly, the supplier shall include a list for each assembly serial number with the part numbers, change letters, and component serial numbers making up the assembly serial number. This information shall be supplied with each shipment.
- b. **Traceability / Lot Control:** Items and material used must be identifiable by lot number (a "lot" shall be defined as the units of product of a single type, grade, class, size, or composition manufactured under essentially the same conditions, at the same time, and submitted for inspection as a group). Material type, specification, and applicable change letter or number, heat number, etc., must be traceable to the records of acceptance. Part(s) fabricated by the supplier shall be identifiable to the lot of material used.
- c. **Vendor Identification:** All deliverable items/parts shall have the vendor identified by a permanent ink stamp of the BAE issued vendor code enclosed in a half inch diameter circle placed on the part such that it is visible and legible from a distance of three feet. This requirement is similarly applicable to any special process subcontracted and must be flowed down by the vendor. Refer to your purchase order or contact your buyer for vendor code information.

The supplier must maintain traceability for material that has been supplied by BAE Systems. The supplier's quality system shall ensure traceability of BAE Systems' lot numbering, and/or assembly serial numbering, change letters, and component serial numbering system.

Traceability applies as defined/specified by PO special note code.

#### **6.16 SOURCE INSPECTION IS REQUIRED (Q16)**

The supplier shall notify BAE Systems buyer "24 hours" in advance of the required source inspection need date, or as required by the PO. Parts and/or material covered by this PO are subject to inspection at the supplier's facility by the BAE Systems Quality Representative after the supplier's acceptance, but prior to shipment.

Detail parts of assemblies are subject to inspection by the BAE Systems Quality Representative prior to assembly.

Inspection of detail parts and assemblies does not negate inspection of the finished article by BAE Systems prior to shipment. The supplier shall make available, at the time of presentation of parts and/or material, all inspection records and inspection equipment necessary to inspect the item(s).

In-process inspection by the BAE Systems Quality Representative does not constitute final acceptance of parts and/or material.

#### **6.17 ELECTROSTATIC PACKAGING REQUIRED (Q17)**

Electrostatic-Discharge-Sensitive (ESDS) parts are to be packaged in electrostatic protective materials in accordance with the latest revision of MIL-STD-1686, MIL-HDBK-263, Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies, and Equipment (Excluding Electrically Initiated Explosive Devices) (Metric), and meet the decay rate of MIL-B-91705.

#### **6.18 ACCEPTANCE TEST DATA (Q18)**

Acceptance test data shall accompany parts / material (to be identified as such) upon delivery to BAE Systems. Test data shall include actual readings taken, including the actual characteristics / parameters tested. An authorized contractor representative shall validate the test data sheets by signature or stamp.

#### **6.19 MANUFACTURING PROCEDURES (Q19)**

The supplier shall submit manufacturing procedures to BAE Systems for approval prior to manufacturing / processing. Procedures shall contain the detail necessary to evaluate drawing / specification compliance. BAE Systems shall, upon approval of procedures, issue written authorization to the supplier, which, in turn, shall constitute the supplier's right to continue manufacturing of and ultimate shipment of parts to BAE Systems; however, this does not constitute the acceptance of parts / material.

#### **6.20 RADIOGRAPHIC INSPECTION (Q20)**

Radiographs shall be made using a technique that has been approved by BAE Systems prior to start of inspection. A report that reflects the supplier's interpretation of the acceptance of the articles to the standards shall be submitted with each shipment.

- a. The supplier shall submit acceptable radiographs that are identifiable to the articles shipped.
- b. The supplier shall submit radiographs that are identifiable to the first article samples (if first article is required) only. For all remaining shipments, the radiographs shall remain on file at the supplier's facility.

#### **6.21 NONDESTRUCTIVE TEST PERSONNEL CERTIFICATION (Q21)**

The supplier personnel performing nondestructive acceptance testing operations shall be certified to Level II or III. All personnel certifications shall be in accordance with (a) or (b):

- a. MIL-STD-410,
- b. ASNT SNT-TC-1A.

#### **6.22 NONDESTRUCTIVE TESTING (Q22)**

Items requiring nondestructive testing shall be submitted to a laboratory acceptable to BAE Systems. Test results shall be reported in writing to BAE Systems, identifying the laboratory that performed the tests and signed by a responsible laboratory representative. An adequate method of identifying and cross-referencing each X-ray film exposure, shooting sketch, report, and item must be provided.

When parts are serialized, serial numbers must appear on the reports and on the film with the control number. When ultrasonic testing is performed on non-standard geometric configurations, the scan depicting the method used shall be submitted with each shipment. Unless otherwise specified, the acceptance / rejection criteria for liquid penetrant and magnetic particle shall be in accordance with MIL-STD-1907.

#### **6.23 NO CHANGE POLICY (Q23)**

Process and manufacturing procedures and supplier documents submitted for BAE Systems approval shall remain at the level of configuration in effect at the time of written approval by BAE Systems. The supplier shall not change process and/or manufacturing procedures / practices during contract / PO activity unless written approval is received from BAE Systems.

#### **6.24 STATISTICAL PROCESS CONTROL (Q24)**

Statistical methods and procedures used by the supplier to implement and maintain a documented continuous improvement program may be subject to review by BAE Systems Quality Assurance. Using statistical process control methods, tools, and documentation, the supplier must monitor key characteristics noted directly on the PO or engineering documents. Copies of the control charts, (including notes and corrective action for assignable causes) must be delivered with each shipment. Processes that are out of control or yielding a Cpk of less than 1.33 require 100 pct inspection for key characteristics prior to certification and delivery of the production lot. Documented inspection reports shall accompany each shipment. The supplier is responsible for the flowdown of this PQR to their subcontractors.

#### **6.25 MERCURY CONTAMINATION (Q25)**

The supplier shall certify that all parts, pieces, items, etc., supplied to BAE Systems on this PO do not contain functional mercury or its compounds in any form, and that no mercury-bearing instruments and/or equipment which might have caused mercury contamination have been used in the manufacture, fabrication, assembly, and/or testing of the delivered products.

#### **6.26 DIMENSIONAL INSPECTION DATA (Q26)**

The supplier shall provide documented measurement data with each shipment submitted to BAE Systems. The actual measurements obtained shall be as specified in the detail specification / drawing and reflect the proper revision level.

### **6.27 QUALIFIED PRODUCT LIST (QPL) (Q27)**

Items furnished on this PO which are applicable to a Government, customer, and/or BAE Systems Qualified Product List (QPL) must be produced by the manufacturers listed on the current QPL.

### **6.28 MICROCIRCUITS AND SEMICONDUCTORS (Q28)**

Traceability to Government Source Inspection of military-qualified semiconductors and microcircuit devices shall be certified to MIL-S-1950OG or MIL-M-38510F. This certification shall be provided whether the supplier is the manufacturer or a distributor. When the supplier is a distributor, this certification shall be in addition to and include any certifications provided by the manufacturer and by any previous distributor to the supplier. The certification shall include:

#### **a. Manufacturer's Certification**

Manufacturer's name, address, and FSCM number

Device type and product assurance level (e.g., JAN, JANTX, JANTXV, JANS, MIL-M-38510 CLASS B)

Lot date code

Inspection date or latest re-inspection date

Quantity of devices in shipment from manufacturer

Certifying signature and date.

#### **b. Distributor's Certification**

Copy of the manufacturer's certification

Distributor's name and address

Quantity of devices in shipment

Certification that this shipment is part of the shipment covered by the manufacturer's certificate

Certifying signature and date.

### **6.29 PRINTED WIRING BOARDS, FLEXIBLE AND RIGID-FLEX PRINTED WIRING (Q29)**

All Printed Circuit (PC) boards shall comply with MIL-P-55110. The supplier shall provide a lab report certifying that the sample meets the requirements of MIL-STD-275. Flexible and rigid-flex-printed wiring shall comply with MIL-P-50884 and shall be capable of passing the qualification tests of MIL-P-50884. The supplier shall provide a lab report certifying that the sample meets the requirements of MIL-STD-2118.

### **6.30 SERIALIZATION REQUIRED (Q30)**

For all Life-Saving Devices, serialization by the supplier is required. Serial numbers for the device(s) will be provided in the body of the PO. In the event that serial numbers are not in the body of the PO, the supplier shall contact the Buyer for serial number issuance.