

Meggitt Defense Systems Inc. - Quality Terms for Purchase Orders

Applicable to All Purchase Orders

All items delivered shall be fabricated in accordance with general industry standards for good workmanship. Packaging shall protect the item from shipping damage. Electrostatic sensitive items shall be packaged to prevent static damage and conspicuously marked as static sensitive.

The supplier shall use the following guidelines to determine the quality code and documentation submittal requirements for each shipment. Applicable requirements must be flow-down to sub-tier suppliers. In the event any item cannot be met, notify the Meggitt Defense Systems, Inc. (MDSI) Buyer immediately.

Commercial Off The Shelf Parts: 6, 7 (add 17 when furnishing electronic component parts)

Machined/Sheet Metal Fabricated Parts: 6, 7, 8, 9, 10, 13 (add 15 when part marking is specified on the drawing or by the purchase order and add 16 when Key Characteristics are identified on the drawing)

Printed Circuit Card, Bare or Populated: 6, 7, 13 (add 12 if component soldering required and, 16 when Key Characteristics are identified on the drawing and 17 when furnishing electronic component parts for printed circuit card population)

Cable Harness: 6, 7, 10, 13 (add 12 if soldering is required, add 15 when part marking is specified on the drawing or by the purchase order, 16 when Key Characteristics are identified on the drawing and 17 when furnishing electronic component parts as part of the cable harness assembly)

Raw Material: 6, 7, 9, 13

Outside Processing: 6, 7, 13 (add 16 when Key Characteristics are identified on the drawing)

Specification or Source Controlled Drawing Item: 6, 7, 13

Limited Shelf Life Material (chemicals, Adhesives, etc.) 6, 7, 11, 13

Code No's 1 through 5 and 14 apply only when indicated on the face of the Purchase Order. In the event any item cannot be met, notify the Meggitt Defense Systems, Inc. (MDSI) Buyer immediately.

Department of Defense Government Source Inspection

Code 1

Government inspection is required prior to shipment from your plant. Upon receipt of this order, promptly notify and furnish a copy of the Purchase Order to the Government Representative who normally services your plant so that appropriate planning for Government inspection can be accomplished. In addition, the supplier shall notify the Government Representative at least forty-eight (48) hours prior to testing or inspection of items and/or processes.

Meggitt Defense System Inc Source Inspection

Code 2

All work performed under this order requires Meggitt Defense Systems Inc. inspection and/or test verification at the supplier's facility. Notify the MDSI Buyer at least seventy-two (72) hours in advance of the item being ready for source inspection.

First Article Part Inspection

Code 3

The supplier must provide a sample first article (including inspection report) for dimensional and functional approval prior to making production item(s). The supplier is to notify MDSI seventy-two (72) hours in advance for approval examination. Such examinations may be conducted at the supplier's facilities or at the Meggitt Defense Systems Inc. receiving inspection area at MDSI discretion.

Critical Product Control Plan

Code 4

Due to the critical application of the article/material under this purchase order, the supplier shall deploy a Product Control Plan for Manufacturing. The plan shall provide documentation of the controls in place to ensure manufacturability, quality and compliance. The plan shall delineate the sequence of production operations to be performed, the points where quality controls will be performed, and the types of inspections or verifications performed. The plan shall include reference to the control methods, procedures and inspection instructions used in manufacturing of procured article(s). The plan shall be submitted to MDSI's Buyer for approval by Quality Assurance prior to production of the article. Supplier shall not change, add, or delete any process, material or procedure used in manufacturing of articles under this purchase order without prior approval by MDSI Quality Assurance.

Electrical Test Screening

Code 5

All Electrical items delivered will undergo additional electrical screening at MDSI. Parts shall conform to applicable requirements as define in the purchase order and any other applicable requirement(s).

Product Nonconformance

Code 6

Items, products or materials not conforming to requirements of this Purchase Order/subcontract, drawing, specification, test, etc. shall not be shipped to MDSI without prior written approval of MDSI Quality Assurance by submitting a Supplier Request for Material Review (SRMR). The SRMR shall describe the nonconformance in detail, the quantity, and the cause and corrective action to preclude a recurrence. Failure to comply will result in return of the shipment at the supplier's expense and will affect supplier rating.

Certificate of Conformance/Record Retention/Traceability

Code 7

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Supplier shall provide a C of C and as applicable, supporting documentation with each shipment. Supplier shall maintain on file all quality data/records such as; certificates of material and/or processes, acceptance test reports, inspection records, and other applicable quality control data, for a minimum of seven (7) years from completion of Purchase Order. These records shall provide objective evidence of the quality assurance operations performed to permit traceability from the delivered item back through its manufacture and inspection to the procurement records and its constituent parts and materials and must be readily retrievable and made available to MDSI and/or its customer upon request.

The Special Process Certification

Code 8

Special process suppliers (welding, brazing, heat treating, NDT, plating, chemical filming, etc.) are responsible for compliance to the applicable specifications, whether the operation is performed within their facility or by subcontractors. Supplier's Process Certification must identify vendor performing special process, show actual data from verification of process, reference the applicable specification and be signed by authorized Quality Assurance personnel.

Material Test Reports

Code 9

The supplier shall submit a chemical and/or physical test report per the applicable specification for the materials shipped under this order with actual test results from samples of this specific lot of material.

Article Inspection & Acceptance Test Reports

Code 10

The supplier shall submit evidence of Article Inspection and acceptance test data representing the actual data captured during the verification/validation process per the applicable specification for the items shipped under this order. CMM report must accompany shipment when CMM is used for verification/validation.

Shelf Life Materials

Code 11

The supplier shall state, in writing, the manufacturing date, shelf life, and expiration date for all limited shelf life items supplied under this order. All items shall have 75% or more of their shelf life remaining at the time of shipment to MDSI. All items shall be packaged, labeled and transported per applicable regulatory requirements.

Soldering Requirements

Code 12

All soldering operations, including inspection, shall be performed in accordance with IPC J-STD-001 current revision.

Supplier notice of Change

Code 13

Supplier shall provide written notification to MDSI's Buyer prior to implementation of changes to the supplier's management (ownership), manner of manufacturing operations (plant location), or supplier part configuration.

Higher Level Quality management System

Code 14

- a. Supplier shall maintain an ISO 9001-2000 certification or equivalent Quality Management System (QMS). The QMS/certification shall be employed by the supplier throughout all purchase order/contract phases. The QMS and QA Program may be subject to review and approval by MDSI.
- b. Supplier shall maintain an AS 9100 certification or equivalent Quality Management System (QMS). The QMS/certification shall be employed by the supplier throughout all purchase order/contract phases. The QMS and QA Program may be subject to review and approval by MDSI.

Marking Requirements

Code 15

Marking on product will be in accordance with drawing requirements. When requirement is for ink stamping, apply clear lacquer over marking per table I of MIL-STD-130. "Bag & Tag" articles shall have the marking applied to the packaging as applicable. Laser Engraving may be performed in lieu of Electro-chemical etch. If supplier selects to ship parts from their residual inventory (parts made under different P.O. number), parts can be accepted by lasering a line thru the previous P.O. number only and engraving the new P.O. number.

Note: MDSI cage code 62228 is replacing the following legacy cage codes:

Western Design	59027
Pneu Devices Inc/Howden Fluid System	33654
Fluid Control Division (FCD)	80293
Carthright Electronics	51462
PDA	55794
Hayes Target	34761

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1. Marking requirements when MDSI is the design activity.

example

62228-025180-1	(MDSI's FSCM #, P/N)
MFR-XXXXX	(Vendor's FSCM / CAGE #)
PO030817-03.97	(P/O #, Mfr. date)

2. Marking requirements when MDSI is not the design activity.

example

30003-029713-1	(MDSI's customer FSCM #, P/N)
MFR-62228	(MDSI's FSCM #)
PO030817-03.97	(P/O #, Mfr. date)

Key Characteristics

Code 16

When Key Characteristics is part of the drawing requirements, supplier must obtain a plan from MDSI for monitoring and control of those features.

Counterfeit Parts Prevention

Code 17

Supplier (electronic component distributor or custom electronic assembler) is hereby notified that the delivery of counterfeit parts is of special concern to MDSI. If counterfeit parts are furnished under this order or found in any of the custom assembled goods delivered hereunder, such items will be impounded by MDSI. The supplier shall promptly replace such counterfeit parts with parts acceptable to MDSI. To further mitigate the possibility of the inadvertent use of counterfeit parts, the supplier shall only purchase electronic component parts directly from the Original Component Manufacturer (OCM) / Original Equipment Manufacturer (OEM) or through authorized distributors. Procurement through Independent Distributors or Brokers is NOT authorized, unless approved in writing by MDSI.