

Purchase Order Quality Attachments

All products and/or services delivered under this Purchase Order (PO) shall be in accordance with general industry standards for good workmanship, packaging shall protect the item from shipping damage, and applicable documents assigned per the below Quality Codes (QC) on the PO are required with each shipment.

Applicable QC attachments assigned to each part number on the PO under “Quality Attachments” and are applicable to all Seller’s sub-tier subcontractors used for products or service on this PO.

QC1 - Seller’s Quality Management System

Seller shall provide and maintain a Quality Management System for supplies and services covered by this purchase order in accordance with ISO9001, AS9100 certification or equivalent. Any equivalent system shall be approved by PDTP prior to acceptance of any hardware subject to said system. Sellers already in Palomar’s Approved Supplier List (ASL) are grandfathered in, subject to changes in location, ownership, or top management.

QC2 - Notice of Change

Manufacturers approved by PDTP to supply item in accordance with this PO, after having successfully completed qualification tests, shall not, without first obtaining written approval from PDTP; make changes of any kind in the design, material, process, finish, part number, or any detail of construction of the design qualified; or fabricate the item at any facility or location different from that used for the fabrication of the approved samples. Failure of a manufacturer to observe these restrictions may be considered sufficient reason to withdraw approval from that manufacturer. Restriction on manufacturing changes also apply to seller’s sub-tier subcontractors. Seller shall also notify PDTP of changes to ownership or Management.

QC3 - Counterfeit Parts Prevention

Seller shall certify that all parts and materials obtained to satisfy the requirements of this purchase order have been procured from original equipment manufacturers (OEM) original component manufacture (OCM), or an authorized franchise distributors. Seller shall obtain documentation to trace the distribution and sale of the goods delivered back to the OEM/OCM. Procurement through independent Distributors or Brokers is not authorized unless approved in writing by PDTP. Please contact PDTP Buyer immediately for approval. Seller shall comply with AS5553 and AS6174 standards.

Seller and seller’s sub-tier shall participate in monitoring [Government Industry Data Exchange Program](#) (GIDEP) and act on GIDEP reports that affect product delivered to PDTP. The seller shall immediately notify PDTP if aware or suspect that items delivered are or contain suspect or confirmed counterfeit items.

QC4 - Foreign Object Debris/Damage (FOD) Prevention

Seller shall ensure items supplied and their packaging will not be a source of FOD or other contaminants. Seller shall maintain an effective FOD prevention program per NAS412 and AS9146.

QC5 - Certificate of Conformance/Traceability

Subcontractor shall provide a C of C listing all special processes performed in house and as applicable any supporting documents to the product on this PO. Certificates of material, special processes, and test data called out on the drawing, inspection records or any other quality control data shall be provided with each shipment as supporting documents. Upon completion of all deliveries against this purchase order, data required by this purchase order shall be maintained for a minimum seven (7) years.

QC6 - Material Test Reports

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

QC7 - Inspection and Test Reports

Every line item delivered against this PO shall be inspected or tested to the extent required to provide objective, documented evidence of its conformance to all drawing, specification, standard, and/or PO requirements. Subcontractor shall submit evidence of part inspection and acceptance test data representing the actual data captured during the verification/validation process per the applicable drawing/specification for the items shipped under this order. All inspection or test required per drawing shall be recorded and provided with each shipment.

QC8 - Nonconforming Product Control

Goods or services not conforming to requirements of this PO, drawing, specification, test, etc. which could not be reworked to print shall not be shipped without written approval from PDTP Quality Manager. Material Review Board (MRB) activities under this PO are not authorized, subcontractor and sub-tiers have No MRB authority.

When nonconformance is determined to exist or suspected to exist on goods provided to PDTP, subcontractor shall provide post-delivery Notification of Escape (NOE) disclosure. NOE shall be provided within 3 business days of when nonconformance was discovered with all essential information (i.e. affected PO's, part numbers, quantities, associated serial numbers/lot numbers, nonconformance description, preliminary root cause and corrective action, etc.).

Seller shall disclose to PDTP if seller or sub-tier subcontractors receive a U.S Government Corrective Action Request (GCAR) related to goods, services, or systemic Quality Management System findings.

QC9 - Right of Entry

All items covered by this PO are subject to audit and/or site surveillance by PDTP, PDTP Customer, and/or government representative. Subcontractor shall allow the right to enter facility and sub-tier subcontractor facilities and perform inspections, audits, evaluations, reviews and/or witness the execution of the processes being performed at facilities in support of this PO.

QC10 - NADCAP Certification

ONLY WHEN SPECIFIED ON PO Special processes shall only be performed by sources that are accredited and approved by the National Aerospace and Defense Contractors Accreditation Program (NADCAP). This requirement applies whether the process is performed by seller or seller's sub-tier sources. Use of sources not accredited by NADCAP source will result in return of product at the subcontractor's expense. Applicable processes include: Welding/Brazing, Non-destructive testing (NDT), Heat Treating, Plating/Chemical Finishing, and Painting.

If clause is specified, here are the steps to follow: www.eauditnet.com registration required, access is restricted but registration is free. Once logged in, click on QML, then Nadcap. Unless generically searching for Nadcap accredited suppliers, you may refine the search by company name and ensure "Current Certificates" box is checked. It is very important to review the supplier's scope of approval to determine the exact specifications/processes they are approved for, one supplier may be approved for one specific process but does not mean supplier is approved for all other types of processes.

QC11 - AS9102 Requirements

The seller shall perform a First Article Inspection Report (FAIR) for first production lot and provide applicable documentation in accordance with AS9102 standards when one of the following applies: a.) First production run, b.) Change in design, c.) change in seller (and sub-tier) location, process, material, or tooling, and/or d.) Lapse in production over two years. The FAIR shall include objective evidence of compliance with all drawing requirements.

Word copies of AS9102 forms 1, 2, and 3 can be found at www.iaqg.org/standards/forms

QC12 - ESD and Harness Requirements

Assembly and workmanship requirements:

Printed Wiring Assembly (PWA)/Printed Circuit Board (PCB), Circuit Card Assembly, and Harness/Cable Assemblies.

Outside vendors and the PWAs/CCAs and Harnesses they supply shall conform to the following requirements:

1. Assembly and soldering shall be in accordance with IPC J-STD-001, Class 3, and Post Soldering Cleanliness Designator C22.
2. Harnesses requirements and acceptance per IPC/WHMA-A-620, Class 3.
3. Workmanship shall be in accordance with IPC A-610, Class 3.
4. Unless otherwise stated on the drawing, solder shall be type SN/PB and flux type optional.
5. The supplier shall certify with each shipment that the requirements of the Engineering drawing, purchase order and this attachment have been met.

Packaging and Handling Requirements:

Guidelines for implementing this attached are MIL-STD-129, MIL-STD-1686 and JESD625-A.

1. All electrostatic sensitive devices shall be contained in antistatic or conductive shipping containers (tubes, etc.)
2. Shipping containers shall be enclosed in an ESD protective material conforming to MIL-B-81705 Type 1 – protection from at least 4,000 volts. Both internal and external packaging containers shall be marked with an ESD/caution label or equivalent.

QC13 - Solder Requirements

Item must meet solderability requirements per MILSTD-202 Method 208, MIL-STD-750 Method 2026, MIL-STD-883 Method 2003, or J-STD-001

QC14 - Limited Shelf life Material

Manufacturer shall state in writing the manufactured date, shelf life, and expiration date for all limited shelf life items purchased under this order. All items shall have 80% or more of shelf life remaining at the time of shipment to PDTP. Items shall be packaged, labeled and transported per applicable regulatory requirements. Safety Data Sheets required with shipment.

QC15 - Calibration System Requirements

Subcontractor must maintain a calibration system in accordance with ANSI/NCSL, Z-540-1 and ISO/IEC17025.

QC16 - Source Inspection

When specified on the PO, all work performed under this order requires PDTP inspection and/or test verification at sellers facility. Please notify buyer at least 5 days in advance of item being ready for source inspection scheduling.