

Supplier Quality Assurance Requirements

When any of the following SQAR codes appear on a Purchase Order, the supplier must comply with the requirement. If the supplier has questions or concerns about the requirement, they are to contact the Buyer prior to performing any work.

001 Right of Access

Nemad Manufacturing, including I customers ad regulatory authorities, has right of access to Supplier and sub-tier facilities and all applicable records. As specified in the Contract/Purchase Order, Nemad Manufacturing's representatives shall be granted the right to verify at the subcontractor's premises that subcontracted product and/or processes conform to specified requirements. Such verification will not be used by the supplier as evidence of effective control of quality. Verification by the customer does not absolve the supplier's responsibility to provide acceptable product nor will it preclude subsequent rejection by the customer. Contact Nemad Manufacturing (minimum of 10 days prior to scheduled completion, for scheduling purposes). Release of product prior to source inspection is not allowed unless you are otherwise notified by Nemad.

002 Supplier Quality System

Compliance with Nemad Manufacturing Quality System for Suppliers is required for this Purchase Order.

003 Certificate of Compliance

The supplier shall submit with each shipment, a Certificate of Compliance, stating that products shipped against this Purchase Order are in compliance with all requirements and referenced specifications. The Certification shall include Purchase Order number, part number (including revision level) and must be signed by an authorized Quality Representative (including title). When the supplier is not the Manufacturer, the Manufacturer's Certificate of Compliance shall be included.

004 Re-Submission of Product

Reworked product being re-submitted for acceptance shall reference Quality Action Request (QAR) number on the new Certificate of Compliance. If re-work involved replacement of materials, or any re-processing, appropriate new certifications are required.

005 Supplier Deviations/Waivers

Delegation of Material Review Board authority by Nemad Manufacturing to its subcontractors is NOT PERMITTED. Requests for deviations/waivers must be submitted for approval, to the Nemad Manufacturing Buyer in writing and be approved PRIOR to shipment of the product. When Design Engineering, Supplier Quality, and Purchasing have approved a deviation/waiver, the supplier shall enclose a copy of the approved request with each shipment of the affected product. If the quantity being shipped exceeds the quantity accepted, the affected parts must be tagged and segregated from the rest of the parts. The supplier shall notify by Nemad immediately of changes in product and/or processes, change of suppliers, changes of manufacturing facility location and,

where required obtain organizational approval. The Supplier shall flow down to their supply chain the applicable requirements including customer requirements.

006 Material Safety Data Sheets

Seller/Supplier shall supply, with the material ordered, the most recent copy of the Material Safety Data Sheet (MSDS) as published by the original material manufacturer.

007 Test Data

Performance test results are required with product furnished on this Purchase Order.

008 DFARS Raw Material Certification

The supplier shall submit a Certificate of Conformance from the producing mill showing actual chemical and physical properties. The Manufacturer's Quality Representative must sign all certificates. All reports must provide traceability by heat number. Suppliers should use all available means to obtain raw material melted in the United States. Raw material melted outside the United States will not be used or provided as raw material unless the country of origin is listed in DFARS 225.872. A test report from the DFARS-qualified country of origin must be provided. If the report is not written in English, a report from an accredited, independent laboratory within the United States or a DFARS-qualified country, the supplier must request and obtain approval from the Nemad Manufacturing Buyer through a Purchase Order or Purchase Order amendment prior to use of release of material to Nemad Manufacturing. The material must be tested for chemical and physical properties at an accredited, independent laboratory within the United States. Any exceptions to this requirement will be at the discretion of Nemad Manufacturing and will be handles on a case-by-case basis. The DFARS list is maintained by the United States Department of Defense and is accessible on the Defense Procurement and Acquisition website: <http://www.acq.osd.mil/dpap/dars/dfars/html/current/225.872-1>

If the supplier has concerns or questions about this requirement, the Nemad Manufacturing Buyer should be contacted immediately.

009 Customer Owned Material/Material Traceability

Supplier shall furnish certification that any material furnished by Nemad Manufacturing was used in the manufacture of the hardware. The supplier must provide complete traceability for all Nemad Manufacturing owned materials, including work order number and Purchase Order number on the supplier's Certificate of Conformance.

010 Age Control Materials

Certificate of Conformance shall include manufactures name, address, cure date, batch number and compound type with each shipment of "O" rings, seals, gaskets and other shelf-life controlled items. All such items must have been manufactured within the last (8) quarters. Adhesives, paints, sealants and other items that require MSDS sheets shall have a minimum of 75% of their shelf life remaining. The expiration date must be marked on the outside of all containers.

011 Special Process Certification

The supplier shall provide certification of all special processes performed. The supplier shall use ONLY processors who hold a current certification from NADCAP for each process being performed. In some cases, process suppliers must be approved by Nemad Manufacturing.

012 Customer Approved Processors

When this code appears on the Purchase Order, use of current Nemad Manufacturing customer approved suppliers is required. The name of Nemad Manufacturing's customer will be identified on the face of the Purchase order, End User ,(i.e. Eaton, Utas) .

013 Welding

The supplier shall provide certification for all welding processes performed. Welding processors must be NADCAP certified or Nemad Manufacturing approved or both.

014 Use of Sub-Tier Suppliers

All certifications provided to the Nemad Manufacturing supplier from their sub-tier suppliers must contain the Nemad Manufacturing Purchase Order number to ensure complete traceability. Where the use of sub-tier suppliers is permitted (Only if approved by Nemads or its customers) . The Supplier shall not interrupt the flow of material from any existing source prior to obtaining approval. The Nemad Manufacturing supplier shall impose all Nemad Manufacturing Purchase Order requirements on their sub-tier suppliers including key characteristics.

015 First Article Inspection

Suppliers shall perform a complete First Article Inspection (FAI) in accordance with the current revision of AS9102. The supplier must use forms that contain all required information as outlined by AS9102. The First Article Inspection Report (FAIR) shall include 100% inspection of one part, subassembly or assembly, and a record of all actual dimensional measurements, drawing notes and part specific Purchase Order requirements. Certifications for material and all special processes required by blueprint and/or Purchase Order notes must also be included. The First Article part(s) shall be identified/tagged and submitted with the FAIR(s).

016 Radiographic Inspection

All items requiring radiographic inspection shall be submitted to a Nemad Manufacturing Approved X-Ray laboratory to be processed in accordance with specifications and standards noted on the drawing or Purchase Order. All findings shall be submitted in a suitable format and shall contain the name of the individual reading the film and the signature and title of the authorized laboratory representative. The report will be submitted, with each shipment of material, to the purchaser and contain a means of cross-referencing the report to the film and to each individual part.

017 Magnetic Particle Inspection

Non-Destructive Test requirements for Magnetic Particle Inspection as called out on the drawing or Purchase Order is required. The acceptance criteria will be specified on the Purchase Order.

018 Penetrant Inspection

Non-Destructive Test requirements for Penetrant Inspection as called out on the drawing or Purchase Order is required. The acceptance criteria will be specified on the Purchase Order. NOTE: If the process is to be performed to a Nemad Manufacturing customer controlled specification, the acceptance criteria contained in that document shall apply.

019 Calibration Services

Certification of Calibration, traceable to NIST, with reference to appropriate specification (ANSI-Z540-1, ISO-10012-1, etc.) is required. ****LONG-FORM CERTIFICATE REQUIRED.****

020 Nameplates

When providing a specific nameplate for the first time, or from new drawings and/or revisions, the supplier shall submit a Photo Proof for Nemad Manufacturing approval, prior to production run.

021 Electrostatic Discharge Protection

ESD packaging and handling is required for the product on this order.

022 Quality Management Systems Requirements

Supplier must be AS9100 (Aerospace Quality Management Systems Requirements) compliant.

023 Quality Management Systems Requirements

Supplier must be ISO9000 (Quality Management Systems Requirements) compliant.

024 Records Retention

The supplier shall establish and maintain documented procedures for identification, collection, indexing, access, filing, storage, maintenance, and disposition of quality records. The supplier shall maintain adequate records of all inspection and tests. The records shall indicate the nature and number of observations made, the number and type of deficiencies found, the quantities approved and rejected and the nature of corrective action taken as appropriate. Such records shall be made available to Nemad Manufacturing upon request, and shall be retained for ten years after final payment under the related Purchase Order or for an additional period as imposed in the Purchase Order. All quality records shall be legible and be stored and retained in such a way that they are readily retrievable in facilities that provide a suitable environment to prevent damage or deterioration and to prevent loss. Records may be in the form of any type of media, such as hard copy or electronic media.

025 DRC Conflict Free Minerals

The supplier shall provide components that are free from "Conflict Minerals" originating from the Democratic Republic of the Congo (DRC).

026 Supplier FOD Requirements

The supplier shall follow and acknowledge the Nemads Damage/Foreign Object Debris Prevention Plan. The supplier is required to flow down this requirement to sub-tiers. Suppliers will be required to inspect for and prevent FOD for all shipments to Nemad Manufacturing. Goods found with FOD will be returned to the supplier for inspection and cleaning as required before being introduced to Nemad Manufacturing inventory.

027 Counterfeit Part Prevention Program

The supplier shall establish and maintain Counterfeit Parts Prevention and Control Plan using Industry Standard AS-5553 as a guideline. Also, acknowledge Nemads Supplier Counterfeit Material Avoidance Procedure, (Form 900) The purpose of this document shall be to prevent delivery of counterfeit parts and control parts identified as counterfeit. The supplier and their sub-tier suppliers agrees and shall ensure that Counterfeit work is not delivered to Nemad Manufacturing. The supplier shall immediately notify Nemad Manufacturing with the pertinent facts if the Supplier becomes aware or suspects that it has furnished Counterfeit work.

028 Control of Work Transfers

All work transferred outside the facility for any reason, or from one supplier to another, has to be approved by Nemad's or its customer requirements, and has identifying documentation such as Job Travelers, Purchase Orders, Certificates of Conformance or storage identifications. Processes are defined for control and validation of work quality.

The Supplier and Nemad's is responsible for the conformity of the work requirements and all products are inspected and or verified upon receipt back from storage, outside processing. The Supplier & Nemad's is responsible for assuring the product meets conformity requirements. Where deemed necessary, arrangements for quality inspection and / or verification at the Suppliers or Nemad's premises are the responsibility of both Q.C departments.

029 Competent & Experienced

All work shall be performed by a competent and experienced employee of the supplier. Having the necessary ability, knowledge or skill.