

# **Meggitt Oregon**

## **Purchase Order Quality Notes**

### **QP-1 Inspection System:**

Supplier shall maintain an inspection system that complies with ISO 9001; AS9100; Meggitt PRC-10, or as otherwise approved by Meggitt. Supplier must indicate on their certificate of conformance compliance to Meggitt PRC-10

### **QP-2 Control of Changes:**

Supplier agrees to not make any change to the product and or process, including location, inspection method, tooling or materials, which could potentially affect the fit, form or function of the part, without prior written approval from Meggitt Oregon.

### **QP-3 Supplier Corrective Action:**

Supplier shall provide statements of corrective action on failures of suppliers' hardware or quality system, submitted on the Meggitt corrective action form, detailing the root cause, corrective action, verification and follow up within 20 working days. Suppliers shall use problem solving tools (e.g. Fishbone, 5-whys, flow charting, process analysis) to help analyze the root cause escapes.

### **QP-4 Meggitt Source Inspection:**

Buyers' quality assurance representative may elect to conduct inspection at suppliers' facility. No shipments are to be held for buyer inspection unless notification is received prior to, or at time of, material being ready for shipment.

### **QP-5 Shelf Life and Temperature Sensitive Materials:**

The supplier shall identify all materials which have definite characteristics of quality degradation due to age or environment. The supplier shall indicate on the material or container the expiration date and storage conditions required to achieve the stated life. Shelf life items must have at least 75% of their shelf life remaining at time of receipt.

### **QP-6 Identification Traceability:**

Parts and materials shall be identified per the drawing and specification requirements and traceable to all certifications and test reports. Items too small to directly identify may be bagged and tagged.

### **QP-7 Inspection Data:**

The supplier shall furnish legible inspection data sheets that record objective evidence of acceptance for each item covered by the P.O.

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### **QP-8 Certificate of Conformance:**

Each shipment shall include one legible copy of a certificate of conformance with the signature of a responsible representative stating materials and processes of the item meet the applicable drawing requirements in effort to provide traceability. The C of C shall contain the latest revision level of the specification. Supplier must indicate on their certificate of conformance they have met the requirements of Meggitt document PRC-10

### **QP-9 Material Test Reports:**

Each shipment shall include a legible copy of a certified material test report (CMTR). Test reports shall include the specification number, revision level of the specification, batch and/or lot number. Chemical/physical test reports shall report the actual values obtained for each property tested. Origin source for melting and rolling of metals shall be stated on the CMTR.

### **QP-10 Approved Process requirements:**

Special processes shall be performed by customer-approved sources or NADCAP approved sources. Sub-tier suppliers must ensure their process sources have these approvals.

Certifications of these processes are required with each shipment of material or parts (i.e., heat treat, NDT, chem.-film).

### **QP-11 First Article Inspection:**

The supplier shall perform and submit with the first shipment a first article inspection report. The results shall be documented and shall indicate 100% conformance to engineering and drawing requirements and shall be recorded in accordance with AS9102. First articles shall be submitted when the following conditions occur:

- 1) First delivery to Meggitt,
- 2) Change to an existing part affecting fit, form or function, including a change to a computer controlled equipment program,
- 3) Change in a manufacturing source, process, materials, or
- 4) When tool rework has been completed,
- 5 More that 24 months in production has lapsed
- 6) A natural or man-made occurrence has adversely affected manufacturing

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### **QP-12 Quality Assurance Records Retention:**

Supplier shall retain manufacturing planning records, certifications and test reports required to assure that the parts, or material, conforms to the technical requirements of the purchase order for a period of **10** years.

### **QP-13 Statistical Process Control:**

The supplier shall collect and maintain data regarding KEY characteristics as defined on the drawing, specification or purchase order. Copies of control charts shall accompany the shipment.

### **QP-14 Supplier Audit:**

Meggitt Oregon reserves the right to audit the suppliers' records and inspection documents as they pertain to this order.

### **QP-15 Right of Entry:**

Meggitt Oregon, its customer's and regulatory agencies reserve the right to enter the supplier's facility and their sub-tiers facility, to review records and parts as they pertain to this order.

### **QP-16 UTC Purchase Requirement:**

This product will be used for a UTC part number, shipped to a UTC member. The supplier is required to meet the UTC requirements established in ASQR 01, for this purchase order. If purchased item will be used on a P&W Canada part, the PO will state "For P&WC End Use". The supplier is required to record on their certificate of conformance the statement: "For P&WC End Use".

### **QP-17 Delegated Source Inspection:**

The product on this purchase order has been approved for delegated inspection at the suppliers' facility on behalf of Meggitt Oregon. Upon completion of the inspection based on the drawing and specification requirements, the supplier's delegated inspector approved by Meggitt shall sign, date and stamp the packslip indicating the inspection is complete and the product is acceptable.

### **QP-18 Flow Down Requirements:**

The supplier will flow down the applicable requirements as stated in the Meggitt purchase order to their sub-tier suppliers, including key characteristics, where required.

### **QP-19 Airbus Requirement Flow Down:**

This order is in furtherance of an Airbus, UK order. Meggitt Oregon will require Airbus approval number and category of approval on certificate of conformance and packing slip. Certification traceability documents from Airbus approved subcontractors are required upon receipt of items and materials.

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### **QP-20 NQA-1 Quality Program Approval:**

The supplier shall establish and maintain a documented Quality Assurance program in accordance with the provisions of ASME NQA-1 "Quality Assurance Program Requirements for Nuclear Power Plants" 10CFR21 is invoked on this order.

### **QP-21 Non-conforming Material:**

If a nonconformance is discovered in a product after the product has shipped to Meggitt, the supplier shall provide written notification to Meggitt within 3 business days of knowing all of the information indicated below. If the condition is a possible safety of flight issue, submit all information immediately.

Written notification must be completed in accordance with the following information regarding the nonconformance. Initial notification may be made by phone, but must be followed up in writing.

- A clear description of the non-conformance (what it is, what it should be)
- Part numbers affected
- Delivered quantity
- Delivery date
- Delivery location
- Purchase Order number
- Batch and/or lot number

For product delivered which had been determined to contain engineering errors, the supplier will provide written notification to Meggitt within 3 business days when it has been determined that the shipped product does not, or is suspected to not, meet the design requirements.

Request for non-conforming material to be dispositioned as "Repair" or "Use-as-Is" shall be documented on the supplier's non-conformance form and submitted to Meggitt for final disposition. The supplier is not authorized to ship parts with these dispositions without prior written approval from Meggitt Oregon.

### **QP-22 Government Flow Down Requirements:**

The supplier shall meet the requirements established in Meggitt quality document QA form 179.

### **QP-23 Foreign Object Debris (FOD) Prevention:**

The supplier shall maintain a FOD prevention program to ensure foreign objects cannot become entrapped or encapsulated in parts or materials. This

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program must include training, manufacturing process review, housekeeping, tool / hardware accountability and material handling to prevent risk of FOD incidents. Records of training must be maintained on file for customer review.

### **QP-24 Environmental System Requirements**

The supplier shall maintain an environmental system in compliance with ISO14001 and / or meet the requirements of the Meggitt Oregon Environmental policy. Suppliers are required to identify products and / or processes, which may be harmful to the environment and must implement measures to reduce or eliminate these hazards.

### **QP-25 Preference for Domestic Specialty Metals**

Any specialty metals, per DFARS clause 252.225.7014 Alt. 1, incorporated in articles delivered under this contract/purchase order shall be melted in the one of the qualifying countries as shown in FAR225.872.1a. This requirement must be flowed down to all of your sub-tier suppliers, no matter how far down the supplier chain, on all purchase orders issued, and that it is designated as a mandatory contractual requirement for all sub-tiers."

### **QP-26 Traceability for skim coated materials**

The certification from the supplier shall include the traceable batch numbers and applicable test reports and/or certifications for each component used in the processing and production of skim coated fabrics with silicone and / or organic rubber compounds. All silicone compounds and fabrics requiring customer-approved sources shall be used. Material supplied by Meggitt Oregon for skim-coating processing will include the batch number on the purchase order. This batch number must be recorded on the finished item certification as well.

### **QP-27 Counterfeit Parts Prevention Requirements**

- A) The seller shall ensure that only new and authentic materials are used in products delivered to Meggitt Oregon. The seller may only purchase parts from original equipment manufacturers (OEM), authorized distributors or approved aftermarket manufacturers.
- B) Any product that was not provided by these sources will not be accepted by Meggitt, unless prior approval is obtained in writing.
- C) Seller shall agree and ensure that counterfeit materials are not delivered to Meggitt.
- D) The seller shall notify Meggitt immediately if they become aware or

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suspect that it has shipped counterfeit product to Meggitt.

- E) In the event that counterfeit product has been supplied to Meggitt, the seller shall at its own expense, replace the product with genuine approved parts or materials conforming to the requirements.
- F) The seller shall also maintain a counterfeit parts prevention and control plan to prevent the delivery of counterfeit parts to Meggitt, reference SAE AS6174 and Meggitt document QA\_11 Counterfeit and Fraudulent Materials Avoidance Process.

### QP-28 **Boeing-Defense Owned Tooling**

This purchase order is for tooling which is Boeing owned property and falls under the Boeing tooling property requirements established in D950-11059-1 for defense, space and security products

### QP-29 **Boeing-Commercial Owned Tooling**

This purchase order is for tooling which is Boeing owned property and falls under the Boeing tooling property requirements established in D33200 for commercial airplane products

### QP-30 **Boeing PC 700 Quality System requirements**

This purchase order is for procurement of parts and/or materials that are intended for use under Boeing's FAA issued Production Certificate 700. The following statement must be on all shipping documents:

***“ Seller hereby acknowledges that the parts and/or materials being shipped under this order are intended for use under Boeing’s Federal Aviation Administration (FAA) issued Production Certificate 700”***

### QP-31 **Work Transfer requirements**

Work transfers (source change) is applicable to suppliers planning the temporary or permanent transfer of work and is used to control and verify that the product conforms to requirements during and after the following types of transfers:

- Supplier site to subtier (Make to Buy)
- Subtier to supplier site (Buy to Make)
- Change from subtier A to subtier B
- Change of site at supplier or subtier
- Relocation of manufacturing to another supplier site (Where Make)

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- Change of supplier manufacturing equipment / process at a site

The supplier shall inform Meggitt in advance of any such planned activity, and make available:

- Description of the new location, with general layout and pictures or floor plan;
- A list of parts involved in the transfer;
- Timeline and plan for each step in the transfer including:
  - Production stop date at current site;
  - Equipment movements;
  - New location set-up;
  - Re-calibration, re-qualification of equipment and tooling;
  - Training requirements;
  - Last Article Inspection (old location) plan.
  - First Article Inspection Report plan (in new location).
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This activity will be at the supplier's cost and minimal stock will be guaranteed to cover the transition period.

The supplier may only proceed with the work transfer (source change) when a response has been received from their Meggitt purchasing contact and comply with requirements specified in the response

The supplier shall ensure delivery performance is protected prior to any work transfer (source change).

### QP-32 CAD/ DPD Quality Requirements

Catia datasets furnished by Meggitt are an authority dataset and may be used as media of inspection. The supplier must have the capability to accept and process this information directly. No translation of this data is acceptable for inspection of any product on this P.O. without prior approval from Meggitt. Any inspection is to be performed with the original authority dataset or authority dataset printout".

For Meggitt reference datasets (e.g., IGES): Datasets furnished by Meggitt are Reference datasets. Meggitt will supply an Authority dataset printout. The supplier is required to verify translated or reference data back to the Authority dataset printout before use. Inspection of product must be based and traceable to authority datasets.

The seller is required to maintain a CAD/CAM quality assurance plan in compliance with Boeing D6-51991 and SQR-004 when indicated on the purchase order

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### **QP-33 Statistical Sampling Plan Requirements**

The supplier shall ensure that any and all statistical sampling conducted on Meggitt product conforms to the requirements of ARP9013 and that C=0 is met.

### **QP-34 Boeing Program Requirement**

Supplier shall flow down the requirements listed below to all subcontracts awarded.

Acceptance Authority Media (AAM)- Supplier shall comply with the AS/EN/JISQ 9100 requirements and 14CFR Part 21.2 regarding the application of the Acceptance Authority Media (AAM) requirements.

Supplier shall, within its organization and its supply chain, ensure that the use of AAM is clearly defined within its Quality Management System (QMS).

Supplier shall, upon Boeing request, be able to demonstrate evidence of communication to its employees and to its supply chain; use of AAM must be considered as a personal warranty of compliance and conformity.

Supplier shall maintain compliance to the AAM requirements by assessing its process and supply chain as part of its internal audit activities. The areas of focus of this assessment shall include but not be limited to:

- Authority Media Application Errors (i.e., Omission, Typos, Legibility, etc)
- Authority Media Application Untimely Use (i.e., Documentation is not completed as planned, "Stamp/Sign as you go", etc)
- Authority Media Application Misrepresentation (i.e., Uncertified personnel, Falsification of documentation, Work not performed as planned, etc)
- Authority Media Application Training Deficiencies (i.e., Ethics, Culture awareness, Proper use of authority media, etc.)