

STANDARD PURCHASE ORDER QUALITY ASSURANCE PROVISIONS

SCOPE

This document delineates the specific supplier quality requirements that apply when one or more of the following Quality clauses are specified by a numeric quality assurance provision (QAP) code on OECO Subcontract/Purchase Orders. These requirements are supplemental to those set forth in any other contracted document. The provisions indicated herein are an integral part of the applicable Purchase Order.

The inclusion of a product on a Government Qualified Products List, Approved Vendor List or the requirements of these clauses does not relieve the Seller of his responsibility for furnishing materials/services that meet all specification requirements or for performing specified inspection and tests for such materials/services. In the event that materials and/or services are found to be non-conforming, OECO and its customers shall have the right to reject them.

MPRC-10 Meggitt Supplier Quality Requirements Document (SQRD) applies to all suppliers who furnish product, material, processes, or services to OECO. This document along with other OECO documents can be found at oeco.com. Where a conflict arises between SQRD and a specific QAP Code, the latter shall take precedence.

REQUIREMENTS

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code	Description

Quality Management System requirements

During the execution of this order, the vendor shall be certified and/or registered to ISO 9001and/or AS9100. Special Process suppliers may be accredited to Nadcap AC7004 in lieu of AS9100. In the 1A event that the supplier loses certification, the supplier must notify OECO.

MPRC-10 Meggitt Supplier Quality Requirements Document (SQRD) applies to the order.

Quality Control System requirements

During the execution of this order, the vendor shall establish and maintain a Quality Control System that satisfies the essential requirements of MIL-I-45208A, Inspection System Requirements, and will include a system for raw material control and traceability, storage and identification.

MPRC-10 Meggitt Supplier Quality Requirements Document (SQRD) applies to the order.

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QAP Codes	Description
1C	Quality Control System requirements During the execution of this order, the vendor shall establish and maintain a Quality Control System that satisfies the essential requirements of ISO 10012, Quality Assurance Requirements for Measuring Equipment. MPRC-10 Meggitt Supplier Quality Requirements Document (SQRD) applies to the order.
1D	Quality Control System requirements - Distributors During the execution of this order, the distributor shall hold formal registration to AS9120 or AS9100. MPRC-10 Meggitt Supplier Quality Requirements Document (SQRD) applies to the order.
1E	Quality Control System requirements During the execution of this order, the vendor shall be compliant to the requirements according to the following letter designation: The supplier shall maintain a quality control system which will provide required control of the quality of items deliverable under this purchase order, and which meets the requirements of OECO document number 091-00010-01. MPRC-10 Meggitt Supplier Quality Requirements Document (SQRD) applies to the order.
2	Packaging Requirements Unless otherwise specified on the purchase order, material shall be packaged in accordance with ASTM-(D3951) Standard Practices for Commercial Packaging. Each shipping container shall be identified with, or include a packing slip that includes: 1) Purchase Order Number. 2) Part Number. 3) Quantity. 4) Serial Number (when applicable). 5) Lot Number (when applicable). 6) Cure Date and/or Shelf Life (when applicable). 7) Static Sensitive Warning (when applicable). 8) Orders having a government contract number shall meet applicable military packaging requirements.



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3	Calibration System Requirement The supplier shall establish and maintain a system of adequate calibration of inspection and test equipment in accordance with ISO-10012-1 or ANSI Z540. Records of calibration shall be made available to OECO upon request.	
	Individuals performing M&TE calibration require annual eye examinations to be administered by qualified persons. The test shall be in at least on eye, corrected or uncorrected. Color perception will be tested once only and records shall be retained for each individual.	
4	DFARS 252.225-7008, DFARS 252.225-7009, DFARS 252.225-7010 – Specialty Metals Any specialty metal as defined In the DFAR included in any articles delivered under this purchase order must comply with these clauses and you must flow down these clauses to all of your vendors supplying any articles delivered under this purchase order that include specialty metals. Specialty Metals must be melted in qualifying countries per the current DFAR definition, the USA is one of these countries. Objective evidence of this requirement shall be available at the supplier's facility and shall be furnished to OECO upon request.	
5	Workmanship The materials and workmanship shall conform to the latest revision of MIL-HBBK-454A or ANSI J-STD-001 and IPC-610 class 3. Workmanship requirements not normally covered in MIL-STD-454 or ANSI J-STD-001 and IPC-610 shall conform to workmanship standards supplied by OECO, or equivalent. Supplier proposed workmanship standards must first be approved by OECO.	



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Nonconforming Material and MRB Authority

Nonconforming products are not acceptable unless agreed and accepted prior to delivery by authorized material review board (MRB) activity. The supplier shall have no discretionary power to depart from the purchase order requirements. Exceptions to purchase order drawings or specifications taken on quotations must be accepted by an approved OECO drawing or specification change or authorized by the MRB which in most cases includes customer approval.

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When MRB authority is not specifically delegated to the seller, the seller shall request a copy of the OECO Supplier Material Action Request (SMAR form) for completion by the seller and include the following: 1) Nature of the discrepancy; 2) Cause; and 3) Corrective Action with objective evidence to prevent re-occurrence. The completed SMAR shall be forwarded to OECO MRB for disposition and approval prior to the shipment of articles to OECO. If the SMAR nonconformance is due to the sellers fault the buyer reserves the right to charge a SMAR processing fee. The supplier shall be liable for costs associated with nonconforming product.

Government Source Inspection

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Government source inspection is required prior to shipment from your facility. Upon receipt of this order, promptly notify the Government Representative who normally services your facility so that appropriate planning for Government Source Inspection can be accomplished. In the event the representative or office cannot be located, the OECO Buyer should be immediately notified. No items are to be shipped without government inspection approvals. Evidence of such approval shall be indicated on the shipping documents.



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8	First Article Inspection Inspection and acceptance by seller of a first article manufactured against this purchase order is a requirement if one of the following conditions apply: 1. First time producer of this item. 2. A two years lapse in production. 3. A change in manufacturing process(s), inspection method(s), location of manufacture, tooling or materials. 4. A change in numerical control program or translation to another media that can potentially affect fit, form or function. 5. A natural or man-made event, which may adversely affect the manufacturing process. 6. A drawing revision since last acceptable first article, or previous first article was rejected. Supplier shall perform First Article inspection in accordance with AS9102.	
8A	OECO Production Part Approval Process (PPAP) This order requires OECO PPAP approval. The Automotive Industries Action Group (AIAG) PAPP manual shall be used as a guideline. The supplier shall provide: Process Flow Diagram, Process Failure Modes Effect Analysis (PFMEA), Control Plan, and Gage R&R for key product characteristics dimensions. Key characteristics are defined as Critical, Major, and Minor dimensions.	
9	JAN-branded electronic components During performance on this order your control of lot traceability documentation and your inventory control for JAN-branded electronic components are subject to review, validation, and verification by an authorized government representative. Government release of shipment is not required unless you are otherwise notified.	
10	Radiographic Inspection A radiographic inspection of the components listed on the purchase order is required. A certified report and radiographic film of the components must accompany the shipment.	



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Acceptance Tests

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The components listed on the purchase order are subject to acceptance tests conducted by OECO on an AQL sample basis. The acceptance test shall be conducted in accordance with the specifications listed on the purchase order. The acceptance test may include but is not limited to one or more of the following: solderability, destructive physical analysis, radiographic inspection, electrical test measurements, and hermetic seal testing. OECO agrees to pay the supplier only for those components subjected to tests listed as destructive in MIL-M-38510 or MIL-S-19500. Lots which fail the acceptance test shall be returned to the supplier for replacement at the supplier's expense.

OECO Source Inspection

The supplies on this order are subject to OECO Source Inspection. When material is ready for inspection, notify OECO two weeks (14 days) minimum in advance to allow for travel arrangements. Parts may not be shipped to OECO without evidence of successful Source Inspection or a Waiver from OECO Supplier Quality.

OECO Source Inspection does not relieve the supplier of any of the requirements of this purchase order nor the responsibility of rework or replacement of material found to be defective during normal acceptance procedures upon receipt at OECO.

The supplier's gages, measuring and testing devices shall be made available at the supplier's facility for use by the OECO Source Inspector when required to determine conformance to contract requirements. If conditions warrant, supplier's personnel shall be made available for operation of such devices and for verification of their accuracy and condition.

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QAP Codes	Description
12A	OECO Self-Release The supplies on this order are subject to supplier Self-Release. Compliance with the requirements found in OP-1100.06, OECO Supplier Self-Release Requirements (OSSRR), is mandatory. Only an inspector who is authorized by OECO can perform final inspection prior to shipment. Parts may not be shipped to OECO without evidence of Self-Release inspection or a Waiver from OECO Supplier Quality. Self-Release does not relieve the supplier of any of the requirements of this purchase order nor the responsibility of rework or replacement of material found to be defective during normal acceptance procedures upon receipt at OECO.
13	Government Inspection During performance on this order, your quality control or inspection system and manufacturing processes are subject to review, verification, and analysis by authorized government representatives, including government sampling of lot traceability documentation when required. Government release of shipment is not required unless otherwise notified.
14	Chemical/Physical Test Reports All material delivered under this purchase order shall be accompanied by chemical and/or metallurgical test reports which substantiate conformance of the material to the specification requirements. Certifications shall accompany each shipment of material to OECO and be identified as to OECO purchase order number, part number and revision, specification number and revision, serial numbers (if applicable) and quantity represented. An incomplete or inadequate statement of conformance or certification is cause for rejection. The supplier shall also maintain on file for a period of ten (10) years, a copy of this test report.



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Limited Shelf Life Materials

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The supplier shall identify all materials and articles which have definite characteristics of quality degradation with age and/or environment. The supplier shall supply this information on the container or accompanying documentation. This identification shall indicate the date useful life was initiated and the date and/or cycle at which the useful life will be expended. When environment is a factor in determining useful life, the identification shall include the storage conditions (i.e., temperature, humidity, etc.) required to achieve the stated life. A minimum of 75% (or as specified on the PO) of the applicable material/article shelf life shall remain upon receipt of the material by OECO or the material is subject to rejection and return to the supplier. The shelf life start date shall be the date of shipment (DOS) from the manufacturer or as otherwise specified by the manufacturer.

Certificate of Conformance (C of C)

The supplier shall provide written certification that the article(s) delivered under this purchase order have been inspected and are in compliance with all requirements, applicable drawings, specifications, and terms and conditions of the purchase order. The certificate shall contain:

- 1) OECO part number and revision (COTS parts may not have a revision)
- a. Plus OECO Final assembly part number when required by customer.
- 2) OECO Purchase Order number and Revision.
- 3) Indication of applicable specification(s), when noted on the purchase order. Seller shall assure the latest revision of applicable drawings and specifications are followed, unless otherwise agreed upon and documented.
- Multiple Lots may be included in a shipment, but each manufacturing lot or batch of parts shall have its own C of C and be packaged and identified separately by labeling with Supplier name, lot/batch number, PO, OECO part number and revision. Manufacturing lot numbers or traceability references shall not be mixed on the same label or Certificate of Conformance.

In addition, the supplier must include a statement on the certificate that says in effect, that objective evidence sufficient to substantiate the Certificate of Conformance is on file and is available for OECO review. The Certificate of Conformance must be signed by a duly authorized representative of the supplier's quality function. One (1) reproducible copy of the Certificate of Conformance shall be supplied to OECO concurrent with each delivery of article(s). Certificate of Conformance from distributors shall comply with all of the above requirements, and shall include the name of the original manufacturer.

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QAP Codes	Description
17	C of C - Distributors The vendor shall furnish a statement that parts were manufactured using specified material, OEM certifications to be supplied with shipment. Gray Market and counterfeit parts are expressly prohibited. Brokers are not to be used. Distributors shall be compliant to AS9120. In addition, a distributor's C of C shall be included which has the OEM and OECO part numbers, and revision if applicable.
18	Corrective Action Report Requirement The seller shall furnish buyer upon solicitation, corrective action reports on the buyer's form 1464, QN or equivalent on all discrepancies which occur at the buyer's or their customer's facilities. Reports shall as a minimum include cause of discrepancy, correction taken to remove discrepancy, and action taken to prevent recurrence on all future shipments. Initial reports with containment plan shall be provided within 24 hours. Final reports shall be submitted to OECO Quality Assurance within the time period specified as the 'Response Due' date on the Form.
	Use of Quality Improvement Tools Supplier shall implement a formal quality improvement program wherein the tools of quality are utilized. These tools may include, but are not limited to: Pareto Analysis, Brainstorming, 5 Why's, Fishbone Diagrams, Process Mapping, Histograms, and Statistical Process Control (SPC).
19	Raw Material Certifications (Certs) for Metals The vendor shall furnish original manufacturer raw material certifications to applicable specifications and revisions, including chemical analysis and test results. Independent laboratory reports are acceptable. Laminations also require Minimum Magnetic Flux Density kG, (T) for Magnetic Field Strengths data.
19A	Raw Material Certification (Certs) The vendor shall furnish original manufacturer raw material certifications to applicable specifications and revisions.



QAP Codes	Description	
20	Original Manufacturer Certifications (Certs) The vendor shall furnish original manufacturer material certifications to applicable specifications and revisions.	
21	Final Inspection Records Inspection system provisions require the supplier to prepare, utilize and maintain inspection and test records. Upon request the supplier shall submit a copy of inspection records completed in performing final inspection of the units shipped.	
22_	Inspection Test Data One or more of the following sets of test data must be furnished with the components, as defined on the purchase order: A) Attributes or variables inspection or test data demonstrating conformance to requirements listed on the purchase order. B) Variable test measurement data (actual readings) for static tests performed in accordance with the specification or drawing listed on the purchase order. C) Variable test measurement data (actual readings) for dynamic tests performed in accordance with the specification or drawing listed on the purchase order. D) Attributes test measurement data for functional tests performed in accordance with the specification or drawing listed on the purchase order. E) Variable test measurement data (actual readings) for switching time tests performed in accordance with the specification or drawing listed on the purchase order. F) Pre and post burn-in attributes data per the drawing or specification listed on the purchase order. The percent defective allowable shall be less than 5% unless otherwise stated on the purchase order.	



QAP	Description
23_	Data Each deliverable device or lot shall be supplied with one or more of the following as specified on the purchase order: A) Attributes test data for all screening tests. B) Variable data for all pre and post burn-in and operating life tests. C) Final electrical parameter test data. D) Data specified in drawings listed on the purchase order. E) Objective evidence of current acceptable Group B, C, and D testing. F) All major dimensions shall be measured and included with each part G) All critical dimensions shall be measured and included with each part H) All critical, major, and minor dimensions shall be measured and included with each part I) All dimensions less than .001" total tolerance shall be measured and included with each part
24	Heat Treat Report Each shipment shall be accompanied by a reproducible copy of the detail parameters used in the heat treat cycle, with specification and revision letter.
25	Prohibition of Pure Tin The uses of pure Tin Plated finishes are strictly PROHIBITED! Any Tin Plating or Solder processes shall contain no less than 3 percent Lead composition, unless specifically authorized in writing by the Procuring Agency. These restrictions apply for all types and levels of procurements, with the Seller responsible for communicating these restrictions to subcontractors or sub-tier suppliers as required.



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Special Process Certification

Special processes are defined as chemical, metallurgical, and other types of processes for which the quality and integrity of the product cannot be adequately demonstrated by other than destructive test. Included in the category of special processes are nondestructive methods of evaluating the product other than normal mechanical dimensional inspection. Special process certification defined by this clause shall be accomplished prior to use in the production of items to be delivered under this purchase order. The supplier shall be responsible for required certification of special processes, personnel, and equipment notwithstanding any statement contained in the process specifications which indicates that OECO is responsible for such certification. Conformance of deliverable items to all requirements of this order shall remain the responsibility of the supplier. Objective evidence of certification, qualification, and control shall be available at the supplier's facility and shall be furnished to OECO upon request.

OECO Approved Special Process Sources

Seller and subcontractors shall use OECO-Approved Special Process Sources found at <a href="https://example.com/oeco.com

Or-

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Seller and subcontractors may use Nadcap Special Process Sources that are certified to perform the specified process(es) as stated on the drawing. Refer to SQRD section 7.5.2 for a list of Nadcap processes.

Note: When a special process source is specified on the drawing, that source must be used unless written authorization to use another approved source is provided by OECO.

NADCAP Approved Special Process Sources

Seller and subcontractors shall use approved NADCAP Special Process Sources that are certified to perform the specified processes as stated on the drawings. Refer to SQRD section 7.5.2 for a list of Nadcap processes. This document can be found at <u>oeco.com</u>.

Note: When a special process source is specified on the drawing, that source must be used unless written authorization to use another approved source is provided by OECO.

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Traceability Documentation

Traceability of JAN marked devices shall be certified to MIL-S-19500 or MIL-M-38510 to OECO by the supplier, whether the supplier is the manufacturer or a distributor. When the supplier is a distributor, their certification shall be in addition to and include the certification provided by the manufacturer and by any previous distributor to the supplier. The certification shall include the following information.

- Manufacturer certification.
- a) Manufacturer's name and address.
- b) Customer's (OECO's) or distributor's name and address.
- c) Device type, detail specification, detail specification Rev. letter, and/or amendment number, and product assurance level (JAN, JANTX, JANTXV, JANS, and JANC).
- d) Lot date code (including a code identifying the assembly plant).
- e) Inspection date or latest re-inspection date.
- f) Quantity of devices in shipment from manufacturer.
- g) Statement certifying conformance and traceability.
- h) Certifying signature and date of transaction.
- 2) Distributor's certification
- a) Copy of manufacturer's certification
- b) Distributor's name and address.
- c) Name and address of customer (OECO).
- d) Latest re-inspection date, if applicable.
- e) Certification that this shipment is a part of the shipment covered by the manufacturer's certification.
- f) Certifying signature and date of transaction. During the performance of this order, control of device lot traceability documentation and inventory control for MIL-S-19500F JAN branded devices are subject to review, validation and verification by an Authorized Government Representative, Government release of shipment is not required unless you are otherwise notified.
- g) Statement certifying conformance and traceability.

Serialization

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The supplier is required to identify each individual unit/item of material delivered to OECO with a unique identifying number (serial number). This number shall be sequential and shall not be repeated within a part number grouping. When the serial numbers are provided on the Purchase Order, only those numbers are to be used.



QAP Codes	Description		
30	Piece Marking — Manufactured Parts Manufactured parts shall be permanently and legibly marked per MIL-STD-130 with the appropriate manufacturer's name or symbol, part number and any other marking information called out on the attached drawings. For small parts, to be supplied separately, where space is insufficient to mark, per the above, bagging or tagging will be accepted.		
31	Compliance to ASQR-01 The seller must comply with UTC Aerospace Systems ASQR-01 latest revision. The seller is responsible for compliance with all specifications referenced on the purchase order and/or drawings and shall maintain, subject to OECO Quality Assurance review, adequate quality control records to indicate objective evidence of his compliance as well as traceability through lot identification and inspection/test records. Records providing evidence that product meets the requirements must be maintained a minimum of ten (10) years or as specified in ASQR-01. Furthermore, the seller is responsible for specification compliance by all of his subcontractors and must contractually require that such subcontractors maintain evidence of their compliance for a period of ten (10) years or as specified in ASQR-01.		
32_	Lot Date Codes Date codes of items supplied on this purchase order shall be in compliance with the following: A) Date codes shall be two (2) years or newer. B) Date codes shall be eighteen (18) months or newer. C) Date codes shall be twelve (12) months or newer.		
33	Drawing/Specification Compliance Specifications listed on the purchase order shall be the latest revision level in effect on the date of the purchase order, unless otherwise specified by the purchase order. Supplier is responsible to ensure they are working to the latest specification listed on the purchase order. Any changes that may affect quality (form, fit, function and/or deviations from specifications) must receive authorization from OECO prior to shipping parts.		



QAP Codes	Description
34	Special Process Control Changes in the controlled status of special processes or certified operators, such as relocation of facility, changes in method, and changes in personnel, shall be submitted to OECO for approval prior to implementation. The supplier shall maintain records of certified processes and personnel which reflect the current status and the results of tests or examinations of such processes and personnel. The supplier shall make such records available to OECO upon request. The suppliers shall include the provisions of this clause in any order placed with suppliers at any tier for material or services required under this order.
35	Electronic Components All parts shall be capable of passing the solderability test in accordance with applicable test methods of MIL-STD-883, MIL-STD-750, MIL-STD-202 or J-STD-002 on delivery. Product handling, storage, and packaging shall comply with industry standards appropriate to the type of product purchased (military or commercial).
36	Right of Access The supplier shall comply with Meggitt's SQRD section 1.2 "Access" requirements. This document can be found at occo.com .
37	Buyer Furnished Material — Certification Specific material, furnished by OECO, shall be utilized in the production of items required by this purchase order. Additional quantities of such material, if required, shall be obtained only from OECO. No such material other than that furnished by OECO shall be used.
38	ITAR This document, which includes any attachments and exhibits hereto, may contain information subject to International Traffic in Arms Regulation (ITAR) or Export Administration (EAR) of 1979, which may not be exported, released, or disclosed to foreign nationals, inside or outside the United States, without first obtaining an export license.



QAP Codes	Description
39	FOD Compliance The supplier shall comply with Meggitt's SQRD section 7.5.5 "Preservation of Product" requirements. This document can be found at oeco.com .
40_	Special Provisions: Any special provisions will be listed on the Purchase Order. The letter designation indicates the applicable details: A) Circuit Card Assemblies shall be manufactured to J-STD-001 Class 3 requirements. B) Supplier is responsible for compliance with the Fastener Quality Act. C) Supplier is required to perform solderability tests in accordance with the applicable specification. The solderability samples must be segregated from the remainder of the lot and clearly identified. D) Supplier certifies that all product manufactured in accordance with this purchase order was processed in a mercury-free environment. E) Items supplied on this purchase order shall have a single lot date code. F) Items supplied on this purchase order must come from a single wafer diffusion lot. G) Item must be procured from a QPL/QML source identified on the QPL/QML list for the referenced specification. H) Approved Boeing inspection sampling plan is required. I) Other provisions apply as specified on the PO
41	Circuit Card Assembly (CCA)/Printed-Wiring Assembly (PWA) Engineering review. 1st article CCA\PWA shall be routed and reviewed by Manufacturing and Quality Engineering to customer Specification Control Drawing (SCD) or other required standards. Signature approval by Manufacturing and Quality Engineer required before releasing the assembly from Receiving Inspection.
42	Overhead - Not Deliverable Items supplied on this purchase order are for overhead, services, maintenance, construction, and other use not charged to direct customer contracts. The material will be evaluated by the user and deemed acceptable for use if it meets the requirements for intended use. This material is not intended for delivery to OECO customers.



QAP Codes	Description	

Customer Flow Down

Any special customer quality requirements will be listed on the Purchase Order. The letter designation indicates the applicable details.

- A) Boeing. The Boeing Quality Management System Requirements for Suppliers is in document number D6-82479. These requirements are mandatory for this PO.
- B) Rockwell Collins. The Rockwell Collins Supplier Quality Requirements are in document number RC-9000. These requirements are mandatory for this PO.
 - C) Aero Engine Controls. The AEC ES31-603 Supplier Quality Assurance Requirements apply to this order.
 - D) SNEMCA & TURBOMECA. SAFRAN Procedure Number GRP-0087, Requirements Applicable to Suppliers, applies to this order (note: An English translation is in the rear of the document).

Counterfeit and Fraudulent Material Prevention

- The supplier shall establish a Counterfeit and Fraudulent Parts Prevention and Control plan compliant with one of the following standards; AS6174 (mechanical) or AS5553 (electrical, electronic, electromechanical) or AS6081 (electrical, electronic, electromechanical-authorized distributor).
- The supplier shall ensure that only new and authentic materials are delivered to OECO or used in the manufacture of OECO product.
- The supplier may only purchase material directly from original manufacturers, franchised distributors, or authorized aftermarket manufacturers. Anything not provided by these sources is not authorized unless approved in advance and in writing by OECO Quality.
- The supplier shall maintain a method for material traceability that ensures tracking the supply chain back to the manufacturer. Records will be maintained for a period of 10 years. This method shall identify the name and location of the original source and all intermediaries.
- When requested, supplier shall provide documentation that authenticates traceability of the material. Supplier shall include this clause or equivalent provisions in all subcontracts for the delivery of items to be furnished to OECO or included in products furnished to OECO.
- Supplier shall immediately notify OECO Quality if they become aware or suspect that counterfeit or fraudulent material has been provided to or used in OECO product.

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Traceability

Multiple Lots may be included in a shipment, but each manufacturing lot or batch of parts shall have its own C of C and be packaged and identified separately by labeling with Supplier name, lot/batch number, PO, and OECO part number and revision. Where applicable, serial numbers must be listed on either the C of C or Packing List. Manufacturing lot numbers or traceability references shall not be mixed on the same label or Certificate of Conformance.

Additional Requirements:

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- 1. Mechanical Parts, including any parts within an assembly, the Supplier shall maintain traceability of each Part to the raw material certification and test report that represents the raw material heat from which each of the parts were manufactured.
- 2. Distributor Parts; such as adhesives or solder, Original Manufacture lot/batch number of raw material to be provided.
- 3. Drawing Controlled Parts; including any parts within an assembly, the Supplier shall maintain traceability of each Part to the raw material certification from which each of the parts were manufactured.
- 4. Supplier shall retain a Lot Traceability sheet containing the lot numbers for each material used for an assembly.

SAFRAN DVI – Customer Format FIRST ARTICLE SAFRAN DVI document required on 1st production part

Individual Bag/Box and Label/Tag Packaging.

Product produced shall be packaged and labeled in separate containers; smaller items may be bagged and labeled or tagged in batched quantities when approved by PS-OECO Quality. The following information shall be included on each label:

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- Supplier Name or Supplier CAGE code
- Date of manufacture
- OECO part number
- Revision level
- Manufacturing Lot code or Batch code

Additional supplier information on the label is acceptable.



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48	SOW (Statement of Work) Not applicable.			
49	Advanced Product Quality Planning (APQP) The events are as follows: 1. Develop Product Timing Plan, including Quality Elements 2. Complete Process Flow Diagram 3. Special Process Definition, other special requirements like traceability 4. Design FMEA (as applicable) 5. Design Review (as applicable) 6. Review Drawings, Specifications, Process Specifications, Material(s) 7. Critical to Quality Characteristics Identified, Preliminary Control Plan 8. Supplier Readiness Status Review 9. Facility & Layout 10. Machinery, equipment, tooling, gage status 11. Prototype Build 12. Gage Reviews, Design Build 13. Capacity Plan or Run at Rate (as applicable) 14. Quality Systems, Procedures, Operator Work Instructions 15. Final Process Flow Chart 16. Complete Process FMEA 17. Complete Control Plan 18. Define Packaging 19. Production Parts Approval Process (PPAP)			



QAP Codes	Description	
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REACH (Registration, Evaluation and Authorization of Chemicals)

All materials and products delivered to OECO must be in compliance to RoHS and REACH requirements unless authorized by formal concession/deviation in writing and approved by Quality. Supplier further specifically represents, warrants and covenants the following:

- 1. No Substance contained in any Product is intended to be released under normal and reasonably foreseeable conditions of use, as such phrase is defined and interpreted pursuant to REACH;
- 2. No Substance present in any Product in a concentration at or above 0.1% by weight (w/w), as such concentration is defined and interpreted pursuant to REACH, is on the Candidate List;
- 3. No Substance present in any Product or otherwise provided to OECO by Supplier, on its own or in a Preparation, otherwise requires registration or notification under Articles 6 or 7 of REACH (or any corresponding amended provisions); and
- 4. In the event that Supplier becomes aware that any representation or warranty set forth in sections
- 1, 2 or 3 above is not accurate, or ceases to be accurate, Supplier shall (a) promptly notify OECO, (b) ensure that such Substance is registered and/or notified to the European Chemicals Agency, as applicable, pursuant to REACH, and that such registration and/or notification includes OECO's use of such Substance and (c) use best efforts to ensure, if applicable, that authorization for OECO's use of each such Substance is granted pursuant to REACH.

Definitions:

(i) Candidate List means the list of identified Substances referred to in Article 59(1) of REACH (or any corresponding amended provisions); as such list may be updated from time to time.

(ii) Preparation has the meaning ascribed to that term pursuant to REACH.

- (iii) Product means any component, part, sub-assembly, assembly or other commodity provided to OECO by Supplier, including any packaging materials or containers.
- (iv) REACH means Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals, 2006 O.J. (L 396) 1, as amended from time to time, any similar laws in Switzerland or the European Economic Area or similar or related substance restriction, disclosure, registration, notification or authorization laws and interpretive guidance (including European Chemicals Agency guidance documents), national or local implementation and enforcement policies relating to any of the foregoing.
- (v) Substance has the meaning ascribed to that term pursuant to REACH.

50A RoHS

Product shall be compliant to RoHS 1 Directive or RoHS 2 Directive.



QAP	Description	
Codes	Description	

Revision	Date	Description
01	6/17/2013	 Added Revision Control and Quality Tools to QAP 18 as requested by H.S. Updated QAP 12 to add two weeks' notice for source Clarified QAP 47 by adding batched quantities
02	1/10/2014	Added codes 23F and 23G
03	10/10/2014	Changed Pacificscientific.com to OECO.comAdded QAP 50 REACH compliance
04	3/9/2015	 QAP code 23H was added Changed Pacificscietific.com to oeco.com Changed verbiage to how our Meggitt Supplier Quality requirements apply to all orders
05	5/20/2015	 Modified QAP 16, ,19, 36, 39 to reference MPRC-10 QAP code 23I was added Modified QAP 27 to allow suppliers to use either OECO's Special Process suppliers or any Nadcap supplier Added QAP code 50A RoHS compliance
06	7/27/2015	Added Revision Block
07	11/9/2015	 Modified QAP 4 to require objective evidence to be available at the supplier Modified QAP 16 with a note that COTS parts may not have a revision Modified QAP 17 to require distributor C of C with OEM and OECO part number
08	04/20/2017	QAP 8: changed "blueprint" to "drawing" QAP 8: removed detail description of AS9102 requirements QAP 12A: corrected number and name of Self-Release procedure QAP 16: added description for shipping multiple lots and clarified C of C objective evidence statement QAP 19: changed "actual values recorded" to "test results" QAP 21: Added, "Upon request" QAP 27, 27A: revised for clarification and added drawing required source statement QAP 45: added description for shipping multiple lots. QAP 47: added option to list Supplier Name or CAGE Code QAP 48: removed this requirement and made it, "not applicable"



QAP	Description	
Codes	Description	

09	05/03/2017	QAP 1A thru 1E: Added "MPRC-10 Meggitt Supplier Quality Requirements Document (SQRD) applies to this order". QAP45: Added statement to list Serial Numbers on C of C or Packing List for each Lot or Batch.
10	2/9/2018	Added requirement for Calibration personnel to have eye exams in QAP 3 per Customer request.
11	3/2/2018	Re-write of QAP 44, Counterfeit and Fraudulent Material Prevention as requested by Customer. Re-named PRC_10 to MPRC-10 in accordance with Corporate naming convention.

OECO Approvals:

Supplier Quality

Supply Chain