



Supplier Quality Assurance Requirements

Original manufacturer certifications are required to be submitted with the items procured on this purchase order, please ensure the certifications are included with the

shipment to aide in receiving and the payment of invoices.

Q-1 CERTIFICATE OF CONFORMANCE

The Seller shall furnish a Certificate of Conformance (C of C) with each shipment of each item listed on this purchase order. Where applicable this shall include test reports and airworthiness certificates of conformity. As a minimum, the C of C shall include the following information:

For component suppliers:

1. The Rache Source purchase order number
2. Part number and revision level
3. A reference to all applicable specifications as listed on PO or drawings
4. Quantity and unit of measure for items shipped
5. Name and address of manufacturer/processor
6. Date of certification
7. Signature of an authorized company representative

Q-2 PART NUMBER & REVISION

The Seller shall include the Rache part number and revision on the certificate of conformance (C of C).

Q-3 APPROVAL OF CHANGES (CONFIGURATION MANAGEMENT)

When specified on individual Purchase Orders, Rache requires the Seller to notify Rache Corporation in writing if there is any plan of making changes in material, process, tooling, location, personnel (training) that will affect form, fit, function or interchangeability of the product. Prior to fulfilling Rache Corporation purchase orders, rache corporation must approve any/all changes in writing.

Q-4 SPECIAL PROCESS APPROVAL

Special process suppliers are responsible for compliance to the applicable specifications, including customer special process approval, whether the operation is performed within their facility or flowed down per the Seller's purchase order to the Seller's subcontractor.

Q-5 FLOW DOWN OF REQUIREMENTS

When specified on individual Purchase Orders Rache requires the Seller to flow down to sub-tier suppliers the applicable requirements in the Purchase Order, including any key characteristics. When requested, subjective evidence of flow down requirements is required.

Q-6 NON-CONFORMANCES

Any deviation to Rache requirements set forth in this Purchase Order shall be documented and submitted to Rache for disposition prior to product shipment from Seller's facility. Supplier is required to notify Rache of nonconforming product, obtain approval from Rache for approval for nonconforming product disposition, notify Rache of changes in the product and/or process definition, changes of suppliers, change of manufacturing facility location and where required, obtain approval from Rache.

Q-7 SUBCONTRACTING

The Seller is prohibited from subcontracting any portion of the work to be performed in the performance of this contract, without written authorization from Rache Corporation and will be cause for rejection.

Q-8 RECORD RETENTION AND QUALITY RECORDS

Unless otherwise specified on the Purchase Order, the Seller shall retain all required records as objective evidence of conformance to Purchase Order requirements.

All quality records are to be legible, reproducible, and identifiable to the purchase order. Quality records are to be stored and maintained in such a way that they are readily retrievable in facilities that provide a suitable environment to minimize damage and to prevent loss. This applies to our suppliers and any lower-tier suppliers. retention period for quality records is 10 years unless otherwise specified. Rache Corporation, our customers, or regulatory agency representative shall have access to review quality records as they pertain to this order.

Q-9 GOVERNMENT SOURCE INSPECTION

Upon receipt of this purchase order, promptly furnish a copy to the Government Quality Representative that normally services your facility; or if there is none, to the nearest Defense Supply Agency Inspection Office (DCMA). In the event that one of the above-mentioned agencies cannot be located in your area, contact the Rache Purchasing Department for instructions.

Q-10 CUSTOMER SOURCE INSPECTION

Upon completion of the order and prior to shipment, notify Rache Purchasing Department so that arrangements can be made for a Customer Quality Source Inspector to visit your facility and perform a source inspection.

Q-11 RACHE SOURCE-SOURCE INSPECTION

Upon completion of the order and prior to shipment, notify Rache Purchasing Department so that arrangements can be made for a Quality Representative from Rache.

Rache Source to visit your facility and perform a source inspection.

Q-12 FIRST ARTICLE REQUIREMENTS

When the Seller is delivering the product of the first time or when there is a revision change, the Seller shall perform a First Article Inspection (FAI) in accordance with the

requirements of the current revision of SAE Aerospace Standard AS9102. The supplier shall furnish a copy of the completed 1st Article Inspection results (including all material,

process and other certifications required by the Purchase order and/or drawing notes) with the initial delivery of products on the Purchase Order. The 1st Article shall be repeated and submitted any time there is a change to the revision of the drawing, significant changes in the manufacturing method or if the purchase order calls for a new first article to be submitted. The first article shall be submitted to Rache for review and acceptance prior to delivery of the product.

Q-13 SHELF LIFE CONTROL

For age sensitive material – the material expiration, as applicable, shall be noted on the certification. A minimum 85% shelf life shall remain upon shipment unless waived by the buyer in writing.

Q-14 CHEMICAL AND PHYSICAL TEST REPORTS

If required, the Seller shall furnish a copy of a certified test report with each shipment for each item listed on this purchase order. As a minimum, one of the following test reports shall accompany the shipment:

- The Original Manufacturer's test report
- An accredited laboratory's test report
- An Authorized Distributor's test report

Q-15 CALIBRATION

The Seller shall provide and maintain a calibration system that meets at least one of the following requirements, as currently amended, in the performance of this contract:

- MIL-STD-45662A Calibration System Requirements
- ISO 10012-1 Quality Assurance Requirements for Measuring Equipment
- ANSI/NCSL Z540-1 American National standard for Calibration
- ISO 17025 Requirements for the competence of testing and calibration laboratories

The Seller shall notify Rache immediately of out-of-tolerance conditions that may have impacted performance of contracts or purchase orders.

Q-16 ITAR RESTRICTED USE

The supplier shall adhere to ITAR requirements for performing work or service involving ITAR compliance. In accordance with ITAR 22 C.F.R. 120-130 International Traffic in Arms

Regulation, all documents identified as ITAR controlled shall be identified, maintained in Document Control, and segregated from non-ITAR documents. Documents identified as ITAR controlled shall be viewed only by a US Person. A US Person means an entity that is: a US Citizen or a Legal Resident, or a US organization incorporated to do business in the United States.

Q-17 DFARS 252.225 SPECIALTY METALS

The Seller shall provide certification that the materials furnished were melted in one of the approved qualified countries or in the United States in compliance with DFARS

252.225-7014 Preference for Domestic Specialty Metals, Alt 1.

Q-18 MATERIAL CERTIFICATIONS

For each lot or heat of material supplied on this order, the Seller shall furnish a certified material test report showing the material description, including as applicable, the

material name or designation, alloy, type, grade or condition, the producers (mill) name, the lot or heat number and the material specification and revision to which the material complies.

Q-19 CONTRACTOR SUSPECT UNAPPROVED, UNAPPROVED AND COUNTERFEIT ELECTRONIC PART DETECTION AND AVOIDANCE SYSTEM

Flow down of suspect unapproved, unapproved and counterfeit detection and avoidance requirements, including applicable system criteria provided herein, to subcontractors at all levels in the supply chain that are responsible for buying or selling electronic parts or assemblies containing electronic parts, or for performing authentication testing.

Q-20 MATERIAL SAFETY DATA SHEETS - If the nature or content of the seller's product requires a material safety data sheet (MSDS) the seller shall ensure that the MSDS accompanies the shipment.

Q-21 CONFLICT MATERIALS/MINERALS - Rache requires all sub-tier suppliers to comply with the Dodd-Frank Act of 2010 which supports ending the violence and human rights violations in the mining of certain minerals from a location described as the "Conflict Region", which is situated in the eastern portion of the Democratic Republic of the Congo (DRC) and surrounding countries. As a result, the U.S. Securities and Exchange Commission ("SEC") adopted final rules to

implement reporting and disclosure requirements related to “conflict minerals,” as directed by the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010. The rules require manufacturers who file certain reports

with the SEC to disclose whether the products they manufacture or contract to manufacture contain “conflict minerals” that are “necessary to the functionality or production” of those products.

Q-22 ROHS COMPLIANCE-Suppliers of components are required to offering products supporting Restriction of Hazardous Substances (RoHS) directive 2002/95/EC, ROHS2 Directive 2011/65/EU and amendment 2015/863/EU. All of our dielectric formulations are RoHS compliant and we offer a broad range of capacitors free of lead in the terminations. The supplier shall ensure that product supplier to Rache Corporation shall be free of mercury or its contaminants at a level below the requirements specified by ROHS.

Q-23 PRODUCT AND SERVICE CONFORMITY AND IMPORTANCE OF ETHICAL BEHAVIOR- Supplier shall be aware of their contribution to product and service conformity as per applicable Rache IC Source or customer specifications and flow down requirements. This includes applicable functional or electrical testing and the importance of ethical behavior.

Q-24 PACKAGING / HANDLING (WHEN SPECIFIED)

Product intended for delivery to Rache Corporation materials shall be handled and packaged in manner as necessary to prevent damage during handling and transit

Q-25 QUALIFIED PERSONNEL FOR SPECIAL PROCESSES When specified, personnel performing special processes (ie soldering, plating, etc.) must be currently trained or certified to the applicable standards.

Q-26QUALITY SYSTEM REQUIREMENTS AND FLOWDOWN TO SUPPLIERS

The supplier shall implement and maintain a quality management system that complies with ISO 9001, AS9100 or an equivalent QMS system that provides assurance that the product supplied is in full compliance with the purchase order requirements and all applicable specifications. compliance with these requirements are subject to audit by Rache Corporation. The supplier will flow-down all applicable requirements of the purchase order to their suppliers to ensure conformance with all specifications, drawings, QMS requirements (i.e. ISO 9001, AS9100, or other QMS), regulations/laws, and other requirements, including key characteristics, as may be specified in the purchase order.

critical: if a supplier holds an AS9100, ISO 9001 or similar quality management certification, they are to advise Rache Corporation if their certification has expired as well as send us their new certifications upon their renewal

Q-27 RAW MATERIAL TRACEABILITY

All items manufactured under this purchase order shall be traceable to raw material used. traceability and inspection records shall be available upon request by Rache Corporation. identification of raw material used shall include, as applicable, but not limited to, the following type of information: lot number, material type, specification, heat number, etc. in any case, supplier shall adequately identify all material in such a manner that full traceability of raw material used is included. NOTE: supplier must include lot numbers of material supplied to the vendor (subcontracted items) as specified in the purchase order.

Q-28 NO MRB AUTHORITY GIVEN FOR NON-CONFORMANCES—QUALITY DEPT MUST BE NOTIFIED PRIOR TO ANY DISPOSITIONS OR IMPLEMENTATIONS

Suggested dispositions, identifications of cause of non-conformance, and the corrective actions taken shall be submitted in writing. further work shall not be performed until directed by Rache Corporation in writing. Supplier shall not ship non-conforming materials without proper identification indicating that material is non-conforming and should be segregated from conforming material. all non-conforming materials shall be clearly identified as to the nature of the non-conformance(s) when shipped to Rache Corporation.

Q-30 FOD CLEANLINESS PROGRAM REQUIRED-FOR FOD CRITICAL PARTS (WHEN SPECIFIED)

Parts received must be free of foreign object debris or contaminants anywhere on the product. supplier must establish a FOD program at their facility.

Q-31: HAZARDOUS MATERIALS

Hazardous materials as defined by the EPA, shall be packed and clearly identify in such manner as to include any and all special handling, packaging, storage, environmental, or other requirements imposed by status of regulation. (MSDS must be included with each shipment.)

Q-32 LIMITED SHELF LIFE MATERIAL (WHEN SPECIFIED)

The seller shall identify each item, package, or container that has a limited-calendar-shelf life material with the manufacture date, storage temperature, special handling conditions and requirements. suppliers are not to ship expired materials to Rache Corporation. Addition to the normal identification requirement of name, part number, specification number, type, size, quantity and manufacturers recommended shelf life. this identification, including special handling condition and requirements, shall be recorded on certifications and shipping documents for the material. materials at the time of receipt at Rache Corporation shall have a minimum of 80% of their shelf life remaining.

Q-33 RIGHT OF ENTRY

Rache Corporation reserves the right to review all applicable records, control methods and inspect material pertaining to this purchase order at the supplier's plant and at any sub-tier plant. this access rights shall be extended to our customer and government or regulatory agency representatives.

Q-34 100% INSPECTION REQUIRED FOR ALL PARTS (WHEN SPECIFIED)

Rache Corporation requires that all parts must be 100% visually inspected for cosmetic defects, scratches, blisters, FOD, or other damage.

Q-35 PART SPECIAL HANDLING

Rache Corporation has deemed that the special handling of parts is required for the processing, packaging and shipment to prevent damage that would affect the part's form, fit, function and interchangeability.

Q-36 PRODUCT AND SERVICE CONFORMITY, PRODUCT SAFETY, IMPORTANCE OF ETHICAL BEHAVIOR

Supplier shall be aware of their contribution to product and service conformity as per applicable Rache Corporation spec and flow down requirements, their contribution to product safety and the importance of ethical behavior.

Q-37 KOBE STEEL ALERT

Rache Corporation prohibits the use of any materials and / or products procured from or through the KOBELCO KOBE STEEL GROUP without prior written approval from Rache Corporation. Reference GIDEP AAN-U-18-097 for additional information.