



Quality Assurance Provisions		
Record Number QR-0840-01	Record Revision 2	Date of Revision 08/12/2021
Approved by: Jake Enger	Date Approved: 08/12/2021	Page 1 of 4

## **1. CERTIFICATE OF COMPLIANCE**

Supplier shall provide a certification with each shipment to attest that the parts, assemblies, or subassemblies conform to the order requirements. Certification must contain the following: customer's order number; part number and revision; name and address of manufacturing or processing location; manufacturer's lot, heat, batch, date code, and/or serial number (if applicable); quantity and unit of measurement; and be signed and dated by an authorized company representative. The applicable material test results, process certifications, and inspection records shall be presented upon Mac Machine's request. Supplier shall perform inspection, as necessary, to determine the acceptability of all articles under this order. All articles submitted by supplier under this order are subject to final inspection at Mac Machine.

## **2. CERTIFICATE OF COMPLIANCE RAW MATERIALS**

Supplier will include with each shipment, the raw material manufacturer's test report that states that the lot of material furnished has been tested, inspected, and found to be in compliance with the applicable material specifications. The test report will list the specifications, including revision level, to which the material has been tested and/or inspected, and the identification of the material lot to which it applies.

When the material specification requires quantitative limits for chemical, mechanical, or physical properties, the test reports will contain the actual test and/or inspection values obtained.

## **3. SPECIAL PROCESS CERTIFICATIONS**

A special process is a method controlled by a contractually required specification where: a product undergoes a physical, chemical or metallurgical transformation, or inspection, where conformance to the specification cannot be readily verified by normal inspection methods; and the quality of the product depends on use of specific equipment operated in a specific manner, under controlled conditions, by trained personnel with instructions, procedures, or standards.

A special process certification shall be provided with each shipment of product delivered on this contract and include the following: customer's order number, part number(s), serial and/or lot numbers (if applicable), material process specification and revision, certification stating the special process was performed per the applicable drawing/specification requirements, processing supplier's name and address, and each certification must be signed and dated by an authorized company representative.

## **4. SPECIAL PROCESS SUPPLIERS**

Special processes must be approved by Mac Machine or its customer when this clause is specified.

## **5. FIRST ARTICLE INSPECTION**

Supplier is required to perform 100% inspection and record the attributes for the first article of this contract/purchase order, and shall be in accordance with AS9100 and AS9102. If the deliverable is an assembly, this inspection shall also include all of the piece parts that make up the assembly. The inspection records and data shall be per AS9102 and shall identify each characteristic and feature required by design data, the allowable tolerance limits, and the actual dimension measured as objective evidence that each characteristic and feature has been inspected and accepted by the supplier's quality and inspection function. When testing is required, the parameters and results of the test shall be recorded in the same manner. The First Article Inspection Report (FAIR) must show evidence of acceptance by the supplier's quality assurance representative.

## **6. EVIDENCE OF INSPECTION**

Unless otherwise specified, all product batches must be subjected to a sampling inspection in accordance with ANSI/ASQC-Z1.4, Level II, 1% AQL, C=0 No defects allowed. If any defect is found, 100% inspection shall be performed for that batch. Inspection data is to be supplied with each shipment of parts. Data must reflect the part number, revision, lot traceability, and approval by authorized personnel. Vendor is to maintain a copy of inspection data on file and make it available upon request.

## **7. RIGHT OF ACCESS**

Work under this purchase order/contract is subject to government or customer surveillance/inspection at supplier's plant or sub-tier supplier's facility. The supplier will be notified if a surveillance/inspection is to be conducted.

## **8. GOVERNMENT SOURCE INSPECTION**

All work on this purchase order/contract is subject to inspection and test by the government at any time and any place. Government inspection is required on this order prior to shipment from supplier's facility. Government inspections performed will

### **8. GOVERNMENT SOURCE INSPECTION, cont.**

be determined by the delegated government inspection representative and may be conducted during processing, fabrication, or final inspection. Upon receipt of the purchase order/contract, promptly notify the government representative who normally services your plant so that appropriate government inspection planning can be accomplished. If your facility is not serviced by government inspection and/or the area government inspection representative or agency cannot be located, immediately notify Mac Machine.

Supplier, without additional charge to the procurement document, shall provide all reasonably required facilities and assistance (applicable drawings, specifications, change orders, inspection and/or test equipment) for the US government representative to perform their duties.

### **9. CUSTOMER SOURCE INSPECTION**

If requested, customer source inspection is required prior to shipment of articles from the supplier's facility. Supplier shall notify Mac Machine Quality Control department at least 72 hours prior to completion of the order, so that arrangements can be made for a Mac Machine Quality representative to visit the vendor facility and perform a source inspection.

Supplier, without additional charge to the procurement document, shall provide all reasonably required facilities and assistance (applicable drawings, specifications, change orders, inspection and/or test equipment) Mac Machine Quality representative to perform their duties.

### **10. SUPPLIER NONCONFORMANCE APPROVAL REQUESTS**

Supplier shall notify Mac Machine of any nonconforming material. Requests for any departures from drawings, specifications, or other purchase order requirements must be submitted for consideration by Mac Machine in writing. Mac Machine will in turn either approve or deny the approval request in writing. Nonconforming material may not be shipped to Mac Machine without such written approval. Nonconforming material shipped on an approved nonconformance must be accompanied by a copy of the signed Mac Machine approval document.

### **11. NONCONFORMING MATERIALS CORRECTIVE ACTION REQUESTS**

Supplier Corrective Actions (CAR) shall be required for nonconforming materials, reduction in overall quality rating, not adhering to the requirements of Mac Machine procedures, and external audit findings. CAR's will be issued by Mac Machine at the discretion of the Quality Department.

Suppliers shall perform a root cause and corrective action then complete Mac Machine's corrective action form and submit to Mac Machine within the designated time. An extension may be granted, but it must be requested by the Supplier in writing to Mac Machine's quality assurance department.

### **12. MATERIAL REVIEW BOARD (MRB)**

MRB authority is not delegated unless specifically called out on the Purchase Order. Written authorization shall be obtained prior to shipment, see Clause 10.

### **13. CHANGE AUTHORITY**

The supplier shall provide, in writing, advance notification to the customer of any change(s) to tooling, facilities, materials, or processes at the supplier or the supplier's sub-tier that could affect the customer's contracted product. This includes, but is not limited to, fabrication, assembly, handling, testing, facility location or introduction of a new sub-tier supplier.

### **14. LIMITED LIFE AND AGE CONTROL ITEMS**

Products on this order require submittal of date of manufacture when shelf life is based on date of manufacture, or date of shipment from the manufacturer, as appropriate.

Upon shipment, shelf life remaining shall meet the minimum shelf life specified on the order. If no shelf life is specified, 75% of the shelf life shall be remaining for products on this order.

### **15. FURNISHED MATERIAL**

Concerning material supplied directly by Mac Machine, its customer, or a designated supplier, the vendor is required to assure that furnished material, parts, or subassemblies are free from shipping and environmental damage prior to processing. Vendor shall maintain same control of supplied materials, as is done for material furnished by Mac Machine, its customer, or a designated supplier.

## **16. FLOWDOWN REQUIREMENTS**

All applicable requirements that are invoked or applied to the customer's purchasing document, including this clause, shall be flowed down to the supplier's sub-tier suppliers.

## **17. DRAWINGS, SPECIFICATIONS, AND QUALITY REQUIREMENTS**

The supplier's Quality System shall assure that the latest applicable drawings, specifications, and quality requirements are compatible with current purchase order agreements and are available and in use by the supplier's manufacturing and inspection areas. Specifications referenced on the purchase order and drawings shall be to the latest revision or supersession, unless otherwise specified.

## **18. PACKAGING REQUIREMENTS**

Supplier's Quality Control shall be responsible for ensuring that items provided under the contract/purchase order are packaged in such a manner that the dimensional integrity is preserved, contamination and corrosion are prevented, and no physical damage occurs or, when specified, that packaging is in accordance with the drawing, appropriate ASTM, MIL, or other applicable customer specified requirement.

## **19. FOD PREVENTION**

The supplier shall assure that work is accomplished in a manner preventing foreign objects or material from entering and remaining in deliverable items.

## **20. RECORD RETENTION**

Supplier and supplier's subcontractors shall maintain verifiable objective evidence of all inspections and test performed, results obtained, and dispositions of non-conforming articles. These records shall be identified to associated articles, including heat and lot number of materials, unit or lot serialization and made available to Mac machine and/or government representatives upon request and shall be retained in a safe, accessible location for a period of eleven (11) years after date of delivery

Supplier's records associated with the manufacture of serialized or lot controlled articles will provide for continued traceability of serial numbers or lot number identification through all phases of manufacture, commencing with the raw material and continuing through final acceptance of the end item.

Records held for the required retention period (eleven years) shall not be destroyed without customer's written concurrence.

## **21. COUNTERFEIT PART PREVENTION**

Supplier shall comply with AS6174 to prevent and mitigate the use of counterfeit parts for material and components supplied to Mac Machine. Only new and authentic materials are to be used in products delivered to Mac Machine. No counterfeit or suspect counterfeit parts are to be contained within the delivered product. Parts should be purchased directly from the Original Equipment Manufacturer (OEM)/ Original Component Manufacturer (OCM) or through the OCM/OEM franchised distributor/authorized supplier. If Supplier's only source for material is through an unauthorized supplier, Supplier will notify Mac Machine immediately for approval prior to purchasing any material.

If suspect/counterfeit parts are furnished to Mac Machine and are found in any of the goods delivered, such items will be impounded by Mac Machine. The supplier shall promptly replace such suspect/counterfeit parts with parts acceptable to Mac Machine. All occurrences of suspect counterfeit or counterfeit parts should be immediately reported to Mac Machine and government reporting organizations, industry supported reporting programs, and criminal investigative authorities.

The supplier shall flow down the applicable requirements of AS6174 to applicable sub-suppliers.

## **22. QUALITY MANAGEMENT SYSTEM REQUIREMENT**

The Supplier is responsible for implementing and maintaining an acceptable Quality Management System (QMS) such as ISO 9001 or AS9100. The Supplier's QMS must be approved prior to manufacture of purchased product and is subject to review by Mac Machine at any time.

The Supplier is responsible for ensuring:

- a. their employees are aware of their contribution to product or service conformity, product safety, and the importance of ethical behavior.
- b. sub-tier Suppliers comply with applicable requirements of the PO.

## **23. ITAR REQUIREMENTS**

Where required by the P.O., the supplier shall maintain a system to adhere to ITAR requirements.

- a. This requirement shall be flowed down to all sub-tier suppliers that will be used in the supply chain.



- b. If this requirement cannot be met, the supplier must inform Mac Machine’s purchasing agent upon receipt so that proper actions can be taken.

**24. ROHS / REACH COMPLIANCE**

Supplier shall develop and document a program complying with the latest iterations of RoHS and REACH. All certifications must reference RoHS/ REACH compliance if the QAP is required. Records are to be retained by the supplier and available for review by Mac Machine when required. Retention time shall be 11 years. Certification of product conformance must be provided with the material certification, as a corporate declaration or available on the company website for immediate downloading.

**25. CONFLICT METALS**

Based on unique requirements, products purchased by Mac Machine may contain one or more conflict minerals, tantalum, tin, tungsten or gold, and these minerals are necessary to the functionality of the products manufactured. Suppliers of these products must declare that all conflict minerals used in Mac Machine products do not originate in the Democratic Republic of the Congo or an adjoining country or come from a recycler or scrap supplier.

- a. This requirement shall be flowed down to all sub-tier suppliers that will be used in the supply chain.

**26. MEASURING AND TEST EQUIPMENT**

The Calibration Service Suppliers must maintain a calibration system that is in compliance with ANSI Z540.3 or ISO-17025. Calibration records must show traceability of the standards used for calibration to the National Institute of Standards and Technology (NIST).

REV	DESCRIPTION	DATE	AUTHORIZED BY
-	INITIAL RELEASE – RECREATED IAW AS9100 REV. D	08/28/2017	J. ENGER
1	ADDED ITEMS 21-25. DCR-0013	1/17/2018	J. ENGER
2	ADDED ITEM 26 – DCR-0098	08/12/2021	J. ENGER