



RONLO ENGINEERING QUALITY CLAUSES

Revision D dated March 5 2019

Q1. CERTIFICATE OF CONFORMANCE (C OF C)

Seller shall provide on the packing list/shipper or on a separate document, a written statement, signed by a Quality Representative, that all supplies and/or services comply with all requirements of the Purchase Order. At a minimum, the C OF C shall list: the part number, revision, Ronlo Purchase Order number and the manufacturer's lot or traceability number. Certificates of Conformance supplied to Ronlo must be legible and in the English language.

Q2. RIGHT OF ENTRY

Supplier shall be aware they are subject to 'Right of Entry' by Ronlo's Customers & regulatory agencies to determine & verify the quality of work, records & material.

Q3. PACKAGING

Seller shall preserve and protect product against environmental induced corrosion and deterioration, physical and mechanical damage, and other forms of degradation during storage, handling and shipping of product.

Q4. FIRST ARTICLE PIECE

Ronlo inspection and acceptance of First Article product(s) is required prior to delivery to Ronlo. Each first article product shall be completely processed per Purchase Order and clearly identified as a First Article sample. Seller shall notify Buyer sufficiently in advance so that inspection of the First Article, with documentation, can be scheduled.

Q5. FIRST ARTICLE INSPECTION REPORT

The Supplier shall perform a First Article Inspection (FAI) in accordance with the requirements of the current revision of SAE Aerospace Standard AS 9102. Excess products, remaining from a previous production lot, may not be used to fulfill the 1st Article requirements. The Supplier shall furnish a copy of the completed 1st Article Inspection forms, per AS 9102.

Q6. FINAL INSPECTION REPORTS & RECORDS

With each delivery of product(s), Seller shall furnish a copy of Seller's final inspection report(s) and/or record(s) showing the actual results (dimensions, values, etc.) obtained by Seller during final inspection of delivered product(s).



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Q7. FINAL SOURCE INSPECTION

Products to be delivered under this Purchase Order require final source inspection, test, or both, by the Ronlo's Quality Representative prior to delivery to Ronlo. Seller shall notify the Buyer when product is ready for shipment. The Buyer will respond within forty-eight (48) hours (2 business days) to schedule the product for final source inspection. Seller's measuring and test equipment, facilities, and personnel shall be made available for use by Ronlo's Representative when requested.

Q8. CUSTOMER GAGES

Upon completion of the PO, it is the Supplier's responsibility to return any gauges supplied by Ronlo. In the event the gauges are lost or damaged, the Supplier will be responsible for the full replacement value and/or repair.

Q9. QUALITY SYSTEM PER AS-9100

Seller shall establish and maintain a quality program in compliance with the requirements of AS-9100 latest revision.

Q10. QUALITY SYSTEM PER ISO 9001/9002

Seller shall establish and maintain a quality program in compliance with the requirements of International Standard ISO 9001/9002.

Q11. NADCAP APPROVED SPECIAL PROCESSOR

Special Processors used on this purchase order must be NADCAP approved. If the Special Process is outsourced to another Processor all applicable Q-Codes must be flowed down to that Special Processor.



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Q12. CRITICAL COMPONENTS

The component(s) ordered on this Purchase Order is (are) defined as critical component(s) whose failure in operation would most probably be catastrophic and therefore require strict controls and traceability throughout the manufacturing process. Prior to start of production, Seller shall submit to Buyer for review and approval a written plan describing Seller's control procedure. The plan shall describe in detail Seller's controls of items (a) through (f) below. Subsequent to Buyer approval of Seller's plan, any change in the plan that may affect any of the items (a) through (f) below shall be submitted to the Buyer for review and approval prior to incorporation into Seller's plan.

- a) Sequence of manufacturing operations
- b) Method and type of special processing such as heat treat, plating, welding, NDT, etc., to be used.
- c) The points, during (a) and (b) above, at which inspections and/or tests will be accomplished.
- d) The product attributes that will be inspected at (c) above.
- e) Method of identification, preservation and packaging to be used.
- f) Handling and transportation precautions required.

Q13. MATERIAL & PROCESS CERTIFICATIONS

For each lot or heat of material supplied on this Purchase Order, Seller shall furnish a copy of the original mill test report. The report shall list the material description. Including as applicable, the material name or designation, alloy, type, class, grade or condition, producer's (mill) name, the lot or heat number and the material specification and revision to which the material complies. In addition, for:

- a) Process Certifications – For all special processes required by the Purchase Order for reference documents and performed by Seller or Seller's sub-tier source, Seller shall furnish the certification/test report issued by Seller or Seller's sub-tier source that actually performed the process. The certification/test report shall include as a minimum, a complete description of the special process performed, process name, applicable specification and revision, type, class, grade, etc. quantity, description, part number and revision level.
- b) Heat Treat Certifications - With each shipment of product(s), Seller shall furnish a time/temperature certification that contains as a minimum duration and temperature range.
- c) Nondestructive Test (NDT) Reports – With each shipment of product(s), Seller shall furnish the certified test report for all nondestructive testing (NDT) (e.g., penetrant, magnetic particle, radiographic, ultrasonic) performed. The report shall be issued by the organization that actually performed the NDT and shall include a complete description of the test, specification, revision, type, method, and class. When products are serialized or identified with a lot or batch number, such identification shall appear on the NDT reports and exposed radio-graphic film



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d) Seller is required to provide chain of custody for raw material. The chain of custody must provide traceability from the producing mill to the distributor.

Q14. MERCURY FREE CERTIFICATION

Seller shall provide on the packing list/shipper or on a separate document, a written statement that all products and/or services provided have not come in contact with or have been exposed to mercury bearing instruments or equipment, or mercury in any other form.

Q15. DFARS

Buy American Act-Raw material and components produced from specialty metals, as determined in DFAR 252.225-7014 (ALT1) shall be compliant with the buy American Act, as specified in subsection 225.872-1.

Q16. RECORD RETENTION

Unless otherwise specified on the Purchase Order, Seller shall retain all required records as objective evidence of conformance to Purchase Order requirements, including Seller's records and certifications of the inspection and test performed in the course of procurement, manufacturing, testing, processing, inspecting, preserving, packaging and shipping product(s) on the Purchase Order, for a minimum of ten (10) years after the completion of the order. Such records shall be made available to the Buyer for review upon request. Seller shall notify the Buyer prior to the destruction of records.

Q17. COUNTERFEIT PARTS PREVENTION

The organization shall plan, implement and control processes, appropriate to the organization and the product provided, for the prevention of counterfeit or suspect counterfeit part use and their inclusion in product(s) delivered to Ronlo Engineering.

Q18. AEROSPACE COMPONENTS AWARENESS

Personnel are made aware the role they play in product conformity, product safety and ethical behavior as part of final product meeting specified requirements.

Q19. TEST SPECIMENS

Provide test specimens for design approval, inspection/verification, investigation, or auditing

Q20. DESIGN AND DEVELOPMENT CONTROL

The organization shall apply controls to the design and development process. Ref AS 9100 REV D 8.3.4



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Q21. DPAS RATED ORDER

This is a rated order certified for national defense use and the seller is required to follow all the provisions of the defense priorities and allocations system regulation (15 CFR PART 700)

(https://www.dcmil/Portals/31/Documents/DPAS/DPAS_Contractors_REV7.pdf)

Q22. GENERAL REQUIREMENTS FOR THE COMPETENCE OF TESTING & CALIBRATION LABORATORIES

Calibration program to either: ISO/IEC 17025, ANSI/NCSL Z540-1 or ANSI/NCSL Z540.3

Q23. MOOG SQR-1 REQUIREMENTS

Where applicable, Supplier must meet requirements specified in Moog's SQR-1, latest revision

https://www.moog.com/content/dam/moog/literature/Corporate/Suppliers/SQR_1.pdf

Q24 EATON SUPPLIER EXCELLENCE MANUAL

Where applicable, Supplier must meet requirements specified in Eaton's Supplier Excellence Manual, latest revision

<https://www.eaton.com/us/en-us/company/selling-to-eaton/supplier-excellence.html>