

CONSOLIDATED INDUSTRIES, INC

677 Mixville Rd, Cheshire, CT 06410

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Supplier Quality Assurance Requirements (SQAR's) – Rev F

When any of the following SQAR codes appear on a Purchase Order, the supplier must comply with the requirement. If the supplier has questions or concerns about the requirement, they are to contact the Buyer prior to performing any work.

1 Right of Entry: During Contract performance, the Supplier shall grant reasonable access to Supplier's facilities to representatives of Consolidated Industries', Consolidated Industries' customers, US government and/or regulatory agencies for the purpose of evaluating Suppliers' conformance to all Contract requirements. When applicable, the access requirement shall be flowed down by Supplier to Suppliers' sub-tier sources.

2 Customer Source Inspections at Supplier

CONSOLIDATED INDUSTRIES' customer representative shall be granted the right to verify at the subcontractor's premises that subcontracted product and/or processes conform to specified requirements. Such verification will not be used by the supplier as evidence of effective control of quality. Verification by the customer does not absolve the supplier's responsibility to provide acceptable product nor will it preclude subsequent rejection by the customer. Contact CONSOLIDATED INDUSTRIES' customer (minimum of 10 days prior to scheduled completion, for scheduling purposes). Release of product prior to source inspection is not allowed unless you are otherwise notified by Consolidated Industries and /or the customer scheduled to perform the inspection.

3 Consolidated Industry Source Inspections at Supplier

CONSOLIDATED INDUSTRIES' representative shall be granted the right to verify at the subcontractor's premises that subcontracted product and/or processes conform to specified requirements. Such verification will not be used by the supplier as evidence of effective control of quality. Verification by the customer does not absolve the supplier's responsibility to provide acceptable product nor will it preclude subsequent rejection by the customer. Contact Consolidated Industry (minimum of 10 days prior to scheduled completion, for scheduling purposes). Release of product prior to source inspection is not allowed unless you are otherwise notified by Consolidated Industry and/or the customer scheduled to perform inspection.

4 Exceptions to PO Requirements

Any exceptions to a purchase order requirements shall be approved by Consolidated Industries and/or its customer prior to delivery. If authorized, the supplier shall clearly document the exception on the mill cert (for raw material suppliers) and on the CoC (for special process suppliers).

5 Quality System Requirements

- (a) The supplier shall maintain an inspection system which meets the requirements of ISO 9001
- (b) The supplier's quality management system shall conform to the requirements of, or be certified to ISO 9001, AS9100 or Nadcap AC7004.
- (c) Calibration System- The vendor shall maintain a Calibration System conforming to ANSI/NCSLZ-540-3, ISO 10012-1.

6 Raw Material Distributors

Certified Test Report – Chem/Mech Prop: Submit material test report with each shipment. Include actual results of all chemical analyses, mechanical property tests, and mechanical testing and any other information required by the applicable specification for each heat or lot of material. Limit certifications for chemical properties are acceptable for aluminum only. You must submit test reports from the original producer of the material.

Certifications must specify the country of origin of the material and any country where re-melting occurred. A chain of custody (traceability) of material from the original mill, to each time the material was sold, up to delivery to Consolidated Industries" must be maintained and this information is to be included with shipment to Consolidated Industries". If the material is to be in accordance with a CONSOLIDATED

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INDUSTRIES' customer controlled specification, the acceptance criteria contained in that document shall apply

7 Preferences for Domestic Specialty Metals (DFARS 252.225-7009):

Preference for domestic specialty metals applies to this order in accordance with DFARS 252.225-7009. To view DFARS see website at: <http://farsite.hill.af.mil/>

8 Certificate of Compliance

The supplier shall submit with each shipment, a Certificate of Compliance, stating that products shipped against this Purchase Order are in compliance with all requirements and referenced specifications. The Certification shall include Purchase Order number, part number (including revision level) and must be signed by an authorized Quality Representative (including title). When the supplier is not the Manufacturer, the Manufacturer's Certificate of Compliance is required.

9 Re-Submission of Product

Reworked product being re-submitted for acceptance shall reference the Quality Action Request (QAR) number on the new Certificate of Compliance. If re-work involved replacement of materials, or any re-processing, appropriate new certifications are required.

10 Supplier Deviations / Waivers (SD/WR)

Delegation of Material Review Board authority by Consolidated Industry to its subcontractors is NOT PERMITTED. Requests for deviations/ waivers must be submitted for approval, to CONSOLIDATED INDUSTRIES' Buyer. When Engineering, Quality, and Purchasing have approved an SD/WR, the supplier shall enclose a copy of the approved request with each shipment of the affected product. If the quantity being shipped exceeds the quantity accepted on the Waiver, the affected parts must be tagged and segregated from the rest of the parts.

11 Standard Marking

Purchase Order Number, Part Number, Revision, and Quantity, shall be legibly marked on the outer shipping label on all packages. Additional marking may be required by CONSOLIDATED INDUSTRIES' customer flow down. If marking requirements are not clear, contact the buyer for clarification.

12 Material Safety Data Sheets

Seller/Supplier shall supply, with the material ordered, the most recent copy of the Material Safety Data Sheet (MSDS) as published by the original material manufacturer. Legible copies of the MSDS must be attached to the material and sent separately to:

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Attn: Facilities /Safety Manager.

13 Shipments and Packaging Requirements:

Supplier must comply with all requirements for shipping, packaging and labeling. In the absence of specific requirements, suitable protection from corrosion, contamination, handling damage and foreign object damage (FOD) during transit is required.

14 Raw Material Certification

The supplier shall submit a Certificate of Conformance from the producing mill, showing the ACTUAL Chemical and Physical properties. The Manufacturer's Quality Representative must sign all certificates. When the supplier cannot provide a copy of the original Chemical and Physical properties' test report, a report from an accredited Independent Laboratory, within the USA, showing the ACTUAL Chemical and Physical property data is required. If the material is to be in accordance with a CONSOLIDATED INDUSTRIES' customer controlled specification, the acceptance criteria contained in that document shall apply.

Note: Material produced outside the USA or Canada shall not be used or provided as raw material unless

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specifically authorized by the Buyer and Supplier Quality. If the supplier wants to use or provide foreign material, they must contact the buyer with the material type and country of origin. Written approval is required and a copy of the approval must be provided with each shipment containing that material. This approval must be obtained for each Purchase Order.

15 Classified Part(s)

This purchase order is for product that contains “primary”, “critical”, or “flight safety” part requirements. The complete manufacture of this part or a manufacturing operation involving a significant or critical characteristic can only be performed by (or subcontracted to) an approved Primary, Critical or Flight Safety approved supplier. Supplier must also be approved by CONSOLIDATED INDUSTRIES’ customer. Supplier personnel performing inspection and final acceptance of classified part(s) must also be approved by CONSOLIDATED INDUSTRIES’ customer.

Note: Codes 002-Customer Source Inspection at Supplier, 003 - Consolidated Industry Source Inspection at Supplier, and 021 – 100% inspection may also be invoked.

16 Conflicting Technical Requirements:

In the event of conflicting technical requirements, the order of priority you should follow is the purchase order, the drawing, and then the specification. You must bring all conflicting requirements to the attention of your Buyer as soon as possible.

17 Special Process Certification

The supplier shall provide certification of all special processes performed. The supplier shall use ONLY current CONSOLIDATED INDUSTRIES’ approved special process suppliers. In some cases, process suppliers must also be approved by CONSOLIDATED INDUSTRIES’ Customers (see Code 17a).

NOTE: If seller wants to use a process supplier that is not currently CONSOLIDATED INDUSTRIES’ approved, they may request such approval. Requests for approval of additional sub-tier processors must be made to the Buyer PRIOR to use of that processor. No product may be sent to the processor until approval is granted. This includes the use of CONSOLIDATED INDUSTRIES’ customer approved processors, who do not appear on the CONSOLIDATED INDUSTRIES’ Approved Supplier List.

017A Customer Approved Processors

When this code appears on the Purchase Order, use of current CONSOLIDATED INDUSTRIES’ customer approved suppliers is required. The name of the CONSOLIDATED INDUSTRIES’ customer will be identified on the face of the Purchase Order (i.e. Boeing, Lockheed, Sikorsky, etc).

NOTE:

1. When use of CONSOLIDATED INDUSTRIES’ customer approved suppliers is required, the Supplier must be Consolidated Industries approved as well.
2. If Supplier is unable to determine who the appropriate customer approved special process supplier is, contact CONSOLIDATED INDUSTRIES’ Buyer for assistance.

18 Use of Sub-Tier Suppliers

All certifications provided to the CONSOLIDATED INDUSTRIES’ supplier from its sub-tier suppliers must reference the CONSOLIDATED INDUSTRIES’ Purchase Order number to ensure complete traceability. When the use of sub-tier suppliers is permitted, the CONSOLIDATED INDUSTRIES’ supplier shall flow down all CONSOLIDATED INDUSTRIES’ Purchase Order requirements to its sub-tier suppliers.

19 First Article Inspection

The supplier shall perform a complete First Article Inspection to the requirements of AS9102, latest revision. The First Article Inspection Report shall include 100% inspection of one part representative of the supplier’s process, and a record of all dimensional features (actual), including all drawing notes and part specific Purchase Order requirements. The First Article part shall be clearly identified by a suitable method such as tagging and submitted with the First Article Inspection Report.

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20 Submit Supplier Inspection Checklist

Supplier must provide inspection results with each shipment. For each characteristic inspected, provide the characteristic number, the quantity inspected, and quantity accepted/rejected. Report actual results if required by Consolidated Industries' drawing or purchase order.

21 100% Inspection Required

The Supplier shall perform 100% inspection of all characteristics on all products delivered on this Contract. The Supplier's 100% inspection data shall show the part number and drawing revision and the actual values obtained during inspection versus the requirements of the drawing (including block data and notes) and specification. When applicable, copies of material and/or process certifications shall be attached to the inspection report.

021(a) Sample Inspection Permitted

Sampling plans must be in accordance with "Zero Acceptance Number Sampling Plans, AQL 1.0 or equivalent approved by Consolidated Industries". Sampling plans permitting acceptance of defectives is not allowed. The use of sampling does not relieve the supplier of its responsibility to assure conformance to all customer requirements stated in the purchase order and in fixed/frozen process plans. Under no circumstance is the supplier permitted to use sampling plans to accept flight safety key characteristics without the express written consent from Consolidated Industries' Quality Management and its customer.

22 Magnetic Particle Inspection

Non-Destructive Test requirements for Magnetic Particle Inspection as called out on the drawing or Purchase Order is required. The acceptance criteria will be to ASTM E-1444. Acceptance of magnetic particle inspection results must be performed by a Level II, or Level III that has been qualified and certified to the requirements of NAS 410.

NOTE: If the process is to be performed to a CONSOLIDATED INDUSTRIES' customer controlled specification, the acceptance criteria contained in that document shall apply.

23 Penetrant Inspection

Non-Destructive Test requirements for Penetrant Inspection as called out on the drawing or Purchase Order is required. The acceptance criteria will be to ASTM E1417. Acceptance of penetrant inspection results must be performed by a Level II, or Level III that has been qualified and certified to the requirements of NAS 410.

NOTE: If the process is to be performed to a CONSOLIDATED INDUSTRIES' customer controlled specification, the acceptance criteria contained in that document shall apply.

25 Calibration Services

In addition to the purchase order requirements, Certification of Calibration, traceable to NIST, with reference to appropriate specification (ANSI-Z-540-1, ISO-10012-1, etc.) is required.

26 Significant Changes to Products, Processes, Suppliers, and Facilities

Supplier is required to notify Consolidated Industries' Quality Management of any significant changes to its processes, methods, materials, facilities, and/or products and obtain approval prior to implementation. Supplier must also flow this requirement down to its supply chain and enforce it. Testing and documentation may be required as determined by Consolidated Industries" as part of the approval process of significant changes.

27 Product Serialization Requirements

Serial numbers for all products on this Contract have been assigned by Consolidated Industries' and are defined in the Contract or reference documents. The Supplier shall apply the specified serial numbers on all products and record the serial numbers on all applicable documentation. The assigned serial numbers may not be altered or replaced without written authorization from Consolidated Industries'.

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28 Manufacturing Quality Instructions

The Supplier shall comply with the special engineering, manufacturing and/or quality instructions and requirements that apply to the products ordered on this Contract. Such requirements may be described in document(s) such as Engineering Work Instructions, Quality Assurance Requirements, Quality Work Instructions, Manufacturing Work Instructions, Heat Treat Work Instructions or other designation referenced on the Contract.

29 Lockheed Martin Appendix QJ Applies

Consolidated Industries', Inc. LM AERO Identification Number 101201

Processing to be accomplished in performance of this purchase order is directly related to a Lockheed Martin Aeronautics Company purchase order and must be accomplished in accordance with the process specification(s) on this purchase order and the revision in effect as of the date of this PO of Lockheed Martin Aeronautics Company Appendix QJ. All requirements of such Appendix QJ paragraph 12. a. -f. shall be accomplished. Appendix QJ is located at <http://www.lockheedmartin.com/material-management/>.

30 Counterfeit Work for Lockheed Martin and all other CI Customers

- a) For purposes of this clause, Work consists of those parts delivered under this Contract that are the lowest level of separately identifiable items (e.g., articles, components, goods, and assemblies). "Counterfeit Work" means Work that is or contains items misrepresented as having been designed and/or produced under an approved system or other acceptable method. The term also includes approved Work that has reached a design life limit or has been damaged beyond possible repair, but is altered and misrepresented as acceptable.
- b) SELLER agrees and shall ensure that Counterfeit Work is not delivered to Consolidated Industries.
- c) SELLER shall only purchase products to be delivered or incorporated as Work to Consolidated Industries directly from the Original Component Manufacturer (OCM)/Original Equipment Manufacturer (OEM), or through an OCM/OEM authorized distributor chain. Work shall not be acquired from independent distributors or brokers unless approved in advance in writing by CI's customers.
- d) SELLER shall immediately notify Consolidated Industries with the pertinent facts if SELLER becomes aware or suspects that it has furnished Counterfeit Work. When requested by Consolidated Industries, SELLER shall provide OCM/OEM documentation that authenticates traceability of the affected items to the applicable OCM/OEM.
- e) In the event that Work delivered under this Contract constitutes or includes Counterfeit Work, SELLER shall, at its expense, promptly replace such Counterfeit Work with genuine Work conforming to the requirements of this Contract. Notwithstanding any other provision in this Contract, SELLER shall be liable for all costs relating to the removal and replacement of Counterfeit Work, including without limitation Consolidated Industries costs of removing Counterfeit Work, of reinserting replacement Work and of any testing necessitated by the reinstallation of Work after Counterfeit Work has been exchanged. The remedies contained in this paragraph are in addition to any remedies LORD may have at law, equity or under other provisions of this Contract.
- f) This clause applies in addition to any quality provision, specification, statement of work or other provision included in this Contract addressing the authenticity of Work. To the extent such provisions conflict with this clause, this clause prevails.
- g) SELLER shall include paragraphs (a) through (d) of this clause or equivalent provisions in lower tier subcontracts for the delivery of items that will be included in or furnished as Work to Consolidated Industries.

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31 Records / Documentation

Objective evidence of compliance with requirements, including records of inspection, tests, nonconforming material and corrective action, engineering change incorporation, supplier surveys/approvals, and other Quality Assurance activities must be maintained and available for review by Consolidated Industries' Quality Assurance personnel and its customers. Supplier must maintain production and quality related records for a minimum of ten years from the date of shipment, unless a longer period is specified by a clause on the purchase order. If the supplier is going out of business or no longer intends to manufacture the part, it must contact Consolidated Industries' Quality Assurance organization to obtain instructions for disposal of records.

031A Record Retention- 15 years: Supplier must retain all production and quality-related records for a period of 15 years from the date of shipment.

031B Record Retention- 20 years: Supplier must retain all production and quality-related records for a period of 15 years from the date of shipment.

031C Record Retention- 25 years: Supplier must retain all production and quality-related records for a period of 15 years from the date of shipment.

031D Record Retention- 30 years: Supplier must retain all production and quality-related records for a period of 15 years from the date of shipment.

031E Record Retention- 40 years: Supplier must retain all production and quality-related records for a period of 15 years from the date of shipment.

031F Record Retention- 50 years: Supplier must retain all production and quality-related records for a period of 15 years from the date of shipment.

32 Material and Process Specifications

Supplier must produce/process Consolidated Industries' product to the specific approved material and/or process specification referenced on the drawing or purchase order. Supplier shall work to the specification revision called out on the purchase order. If material/product is manufactured to a prior drawing or specification revision yet still meets all the requirements of the revised drawing or specification, supplier must update the certifications to indicate such and ship as conforming product.

33 ITAR Controlled

Warning: This document and documents specified herein contain technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S. C. Sec 2751, Et seq) and ITAR 22 CFR 120-130 and is subject to the export restrictions provided therein. Violations of these export laws are subject to severe criminal penalties. Export of this document and documents specified herein are subject to U.S. export control laws and regulations. Recipients of this document and documents specified herein should abide by such laws and regulations, including country specific controls, and control on use.

34 Government Contract Priority Rating DO-A1 Applies

This is a rated order certified for national defense use, and the Contractor shall follow all the requirements of the Defense Priorities and Allocation System regulation (15 CFR 700).

35 Mercury and Radiation Contamination

Supplier shall certify that materials and processes used to manufacture raw materials and parts are free from mercury and radioactive contamination.