

SeAH Superalloy Technologies		Aerospace QMS: Supplier Quality Manual		SQm
Supersedes:	Rev 00	Supplier Quality Requirements for Critical to Quality Purchases	Document #:	Qp-SQR-001
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1. Document History

<u>Rev Level</u>	<u>Section</u>	<u>Revision / Change</u>	<u>Driver / Reason</u>
Rev 00	All	Initial Release	Initial Release
Rev 01	5.4, 6.6	Clarified requirements for calibration facilities / ISO 17025 certification	Jul 2026 Nadcap Pre-Assessment Audit Checklist Review

Document Preparation: Rich Schreiman, Director of Quality Assurance
Document Review: Tony Schmaltz, Quality Manager
Document Approval: Nick Huston, Chief Executive Officer
Signatory Endorsements: Electronic – On File in Document Control Center

2. Purpose

- 2.1. This document is the Supplier's guide to understanding and implementing SeAH Superalloy Technologies, LLC (hereafter referred to as SeAH ST) general quality assurance requirements.
- 2.2. These requirements shall be met by SeAH ST direct Suppliers and their sub-tier product and service providers.
- 2.3. If there is a conflict between this document and the Purchase Order, the requirements of the Purchase Order shall take precedence.

3. Definitions

Distributor:

A provider that acts as an intermediary, purchasing finished goods, and managing inventory, logistics, and sales without altering the product's core properties

Supplier:

PRODUCT: A provider (manufacturer or producer) that physically creates product and is responsible for manufacturing processes and final quality control

SERVICE: A provider that delivers direct, value add tasks (e.g., calibration, third-party testing, etc.)

Special Process Supplier:

A Supplier that provides a product or service that qualifies as a Special Process as defined by AS9100 (a process where the resulting output cannot be verified by subsequent monitoring or measurement, including any process where deficiencies become apparent only after the product is in use or the service has been delivered). Special Processes applicable to the Purchase Order shall be noted on the PO by its corresponding process specification or method.

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4. General Requirements

4.1. Language

4.1.1. Supplier and Distributor submission of records, reports, specifications, drawings, inspection and test results, and other required procurement documentation shall be in English.

4.1.2. Foreign language submissions must be translated to English before delivery.

4.2. Specifications

4.2.1. Unless otherwise specified, specifications pertaining to order by reference or drawing shall comply with current revisions and amendments if a specific revision level is not noted in Contract or Purchase Order.

4.3. Exceptions and Deviations

4.3.1. Any requests for exceptions or deviations to the requirements in this document must be forwarded to SeAH ST Quality Assurance.

4.3.2. Exception or deviation approval status shall be communicated to the Supplier or Distributor prior to initiation of work to fulfill the Purchase Order.

5. Supplier Qualification Requirements

5.1. Suppliers

5.1.1. Suppliers shall have a QMS in compliance with the current revision of ISO 9001, AS9100, or a SeAH ST approved QMS.

5.1.2. Suppliers not certified to ISO 9001 or AS9100 are subject to a SeAH ST QMS audit or other processes as delineated by the SeAH ST QMS to validate and verify the Supplier's capability to provide products or services meeting SeAH ST contractual requirements.

5.1.3. Suppliers shall only provide products and services that are included in their current QMS scope of certification or SeAH scope of approval.

5.1.4. Suppliers shall demonstrate their current certification status by providing evidence of compliance by a third-party accrediting agency.

5.1.5. Raw Material Suppliers are exempt from the requirements of Para. 5.1. Reference specific Raw Material Supplier requirements in Para. 5.3.

5.2. Distributors

5.2.1. Distributors shall have a QMS in compliance with the current revision of ISO 9001, AS9120, or a SeAH ST approved QMS.

5.2.2. Distributors not certified to ISO 9001 or AS9120 are subject to a SeAH ST QMS audit or other processes as delineated by SeAH ST DQMS to validate and verify the Supplier's capability to provide products or services meeting SeAH ST contractual requirements.

5.2.3. Distributors shall only provide products and services that are included in their current QMS scope of certification or SeAH ST scope of approval.

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5.2.4. Distributors shall demonstrate their current certification status by providing evidence of compliance by a third-party accrediting agency.

5.3. Raw Material Suppliers

5.3.1. Suppliers utilized for filling SeAH ST Purchase Orders for raw materials are responsible for ensuring product quality and traceability.

5.3.2. Formal QMS certification of raw materials suppliers is highly encouraged but not deemed essential for qualification as an approved supplier. Raw material suppliers may be approved based on known historical performance; however, additional documentation and receipt inspection processes may be required for product validation depending on risk.

5.4. Special Process Suppliers

5.4.1. Suppliers of Special Processes shall have a current certification of Nadcap registration, and the process(es) and specification(s) defined in the SeAH ST Purchase Order shall be included in the Supplier's current scope of accreditation.

5.4.2. [R] Suppliers of Laboratory services performing tests that provide accept / reject disposition of SeAH ST products or services shall have a QMS in compliance with ISO-IEC 17025 or other internationally recognized accreditation agency, Nadcap AC7006 and AC710x, or a SeAH Superalloy Technologies approved QMS.

5.4.3. [R] Suppliers of Calibration services performing calibrations on monitoring and measuring equipment used to verify the conformity of products and services to contract specifications and requirements shall have a QMS in compliance with ISO-IEC 17025 or other internationally recognized accreditation agency or a SeAH Superalloy Technologies approved QMS.

5.4.4. Suppliers not certified to ISO-IEC 17025 or similar, or Nadcap are subject to a SeAH ST QMS audit or other processes as delineated by SeAH ST MTL to validate and verify the Supplier's capability to provide products or services meeting SeAH ST contractual requirements.

5.4.5. Suppliers of special processes, laboratory testing, and calibration shall only provide products and services that are included in their current ISO-IEC 17025 scope of certification, Nadcap scope of certification, or SeAH ST approval.

5.4.6. Special Process Suppliers shall demonstrate their current certification status by providing evidence of compliance by the applicable accrediting agency.

5.5. Current Status

5.5.1. For purposes of determining status for management systems certifications, the term "current" in Sections 5.1 through 5.4 is defined as "at the time of Purchase Order issuance".

5.6. Regulatory Compliance

5.6.1. Suppliers are required to meet the following United States regulatory requirements:

- a. U.S. Dodd-Frank Act Section 1502 regarding conflict mineral requirements per the OECD Due Diligence Guideline.

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- b. DFARS 252.225-7014 Preference for Domestic Specialty Metals (Apr 2003) applies to SeAH Superalloy Technologies orders if specialty metals are being furnished, unless otherwise specified by contract.
- c. ITAR (15 CFR §123.9(b)) and EAR (15 CFR §758.6): Suppliers shall control the disclosure of, and access to, technical information received under this purchase order in accordance with U.S. export control laws and regulations.

5.7. Changes in Business Operations

- 5.7.1. Any change in Supplier name, ownership, facility location, physical relocation of primary manufacturing or processing equipment, or changes in primary manufacturing or processing equipment may subject the Supplier to re-evaluation by SeAH Superalloy Technologies. The Supplier shall notify SeAH Superalloy Technologies Quality Assurance at least 60 days prior to when such changes occur.
- 5.7.2. Notification of any changes to a Supplier's QMS or Special Process registration, such as a change in certification status (e.g. updated, withdrawn, suspended, disapproved) or registration body must be communicated to SeAH Superalloy Technologies Quality Assurance within 30 days of the change.

5.8. Product Safety and Ethics

- 5.8.1. Suppliers shall have a process in place to ensure that personnel are aware of:
 - a. their contribution to product or service conformity
 - b. their contribution to product safety
 - c. the importance of integrity and ethical behavior
 - d. the confidentiality of their customer's technical information and intellectual property

6. Production and Service Provision

6.1. Right of Entry

- 6.1.1. SeAH ST, its customers, and or their authorized inspection agency or regulatory authorities shall have the right to send representatives to the Supplier's or Distributor's and their sub-tier facilities on a non-interference basis to survey the Supplier's or Distributor's QMS and to determine product and/or process compliance with the requirements of the Purchase Order or this document.
- 6.1.2. Without additional charge, the Supplier or Distributor and/or their sub-tiers shall make their facility and applicable records available for these activities and provide all reasonable support for the safety and convenience of SeAH ST representatives during their stay and shall include accommodations for inspections and product acceptance activities

6.2. Relocation / Transfer of Work

- 6.2.1. The location of manufacturing, processing, or distribution shall be the Supplier's or Distributor's facility address referenced in the SeAH ST Purchase Order.

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6.2.2. The Supplier or Distributor shall not subcontract manufacturing, processing, or distribution of the whole or any part of the scope of work specified in the Purchase Order without written approval from SeAH ST.

6.2.3. Requests for relocation of a whole or partial scope of work to a different facility, division, affiliate, or subsidiary of the Supplier's or Distributor's company shall be submitted to SeAH ST for approval prior to relocation of the work.

6.2.4. In the event of a relocation / transfer of work, requalification of the Supplier or Distributor and associated products or processes may be required, at the discretion of SeAH ST.

6.3. Foreign Object Damage Control

6.3.1. To prevent introduction of foreign objects into any deliverable product, the Supplier or Distributor shall maintain a documented FOD prevention program appropriate to the commodities and services provided to SeAH ST.

6.3.2. The FOD program shall be in general compliance with AS9146 Foreign Object Damage Prevention Program – Requirements for Aviation, Space, and Defense Organizations.

6.4. Counterfeit Material Risk Mitigation

6.4.1. The Supplier or Distributor shall maintain a Counterfeit Materials risk mitigation process internally and with its sub-tiers, using SAE 6174 as a guide. Suppliers and Distributors shall provide evidence of their risk mitigation process upon request.

6.4.2. The Supplier or Distributor shall ensure that their Counterfeit Materials Risk Mitigation process includes a mechanism for reporting of counterfeit items to their SeAH ST Purchasing representative within three working days of confirmation of counterfeit status.

6.4.3. The Supplier or Distributor shall provide unique traceability identifiers (i.e., lot code, heat or batch number, etc.) for all products delivered to SeAH ST that were procured from another source.

6.5. Sub-Tier Control

6.5.1. Subcontracting Manufacturing or Processes

- a. Suppliers and Distributors shall notify SeAH ST in writing of its intent to outsource performance of manufacturing operations or related processes to a subcontractor.
- b. Commencement of outsourced manufacturing or processing shall not commence until SeAH ST has formally accepted the outsourcing in writing.
- c. Once approved, the Supplier or Distributor must flow down to subcontractors all applicable requirements in the SeAH ST procurement documents to ensure that the integrity of specified requirements are maintained throughout the supply chain.

6.5.2. Special Processes

- a. Special Processes shall be performed by either a Nadcap-certified facility or a SeAH ST Approved Supplier.

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- b. Suppliers are responsible for ensuring that subcontracted Special Processes required for SeAH ST product are within the selected sub-tier's scope of accreditation or approval.
- c. The Supplier shall submit all necessary certifications provided by the Special Processing sub-tier to document product and/or process conformance to Purchase Order and referenced specification requirements. If a Nadcap-certified facility was used, the original certification from that sub-tier must be provided in the document package provided to SeAH ST.

6.6. Monitoring and Measuring Equipment Control

6.6.1. [R] Suppliers of Calibration services that are calibrating M&ME used for SeAH ST product and service accept / reject disposition shall

- a. [R] ensure measurement traceability to NIST or other nationally or internationally recognized standards
- b. [R] provide and maintain the requisite equipment to ensure that calibrations yield M&ME that provide valid and accurate results
- c. [R] maintain and calibrate their M&ME in accordance with a nationally or internationally recognized standard such as ISO 17025

6.6.2. Internally calibrated or validated monitoring and measuring equipment shall be calibrated using a defined and internationally recognized system for maintenance and calibration, such as ANSI-NCSL Z540-1 or MIL-STD-45662A. Calibration standards must be traceable to NIST, and the NIST test number shall be recorded to ensure measurement traceability.

6.6.3. When required, the Supplier's or Distributor's monitoring and measuring equipment shall be made available for use by SeAH ST or representative to determine product or service conformance to specification and Purchase Order requirements.

6.6.4. The Supplier's or Distributor's calibration system shall provide for recall capability to ensure continuous accuracy and precision of the monitoring and measuring equipment, and to address out-of-tolerance conditions.

7. Material Control

7.1. Nonconforming Material Control

7.1.1. Suppliers or Distributors and their sub-tiers shall maintain a documented system for controlling nonconforming materials. Nonconforming material must be clearly identified, documented, evaluated, segregated when feasible, and dispositioned to prevent its unintended release to SeAH ST.

7.1.2. The Supplier or Distributor does not have nonconformance disposition authority for SeAH ST products or services unless authorized in writing by SeAH ST for specific Purchase Orders.

7.1.3. The Supplier or Distributor shall not ship nonconforming material without an approved waiver from SeAH ST. If a waiver is provided for nonconforming material delivery for

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preliminary review or acceptance by SeAH ST, a copy of the approved waiver shall be submitted with the material.

- 7.1.4.** The Supplier or Distributor shall not scrap SeAH ST product or material without written authorization from SeAH ST.
- 7.1.5.** If post-delivery activities reveal that product or material delivered to SeAH ST **may be or has been confirmed to be** nonconforming, the Supplier or Distributor shall notify SeAH ST Procurement **immediately** in order to facilitate rapid containment actions.
- 7.1.6.** Records pertaining to all nonconformance information shall be made available to SeAH ST upon request.
- 7.1.7.** The Supplier or Distributor shall participate in the Government Industry Exchange Data Program (GIDEP) in accordance with the requirements of GIDEP S03000-BT-PRO-010 and S0300-BY-GYD-010.

The Supplier or Distributor shall be responsible for monitoring and reporting GIDEP Alerts for impact to products and services delivered to SeAH ST and shall take action to eliminate or mitigate any negative effects to an agreed-upon acceptable level.

The Supplier or Distributor shall generate the appropriate Failure Experience Data Reports (GIDEP ALERT, GIDEP-SAFE ALERT, GIDEP PROBLEM ADVISORY) whenever nonconforming product or material has been discovered.

7.2. Corrective Action

- 7.2.1.** The Supplier or Distributor shall respond to all SeAH ST Supplier Corrective Action Requests (SCAR), to include containment, impact to delivered product, root cause, corrective action, actions to prevent recurrence, and measured effectiveness of actions taken, within the timeframe delineated in the SCAR.
- 7.2.2.** Failure to respond within the allotted timeframe or unacceptable responses may impact the Supplier's or Distributor's Scorecard Rating and approval status.

7.3. Shelf Life Control

- 7.3.1.** Limited shelf-life items identified as Type I per Joint Service Regulation Defense Logistics Agency DLAR JP 4155.37 / Army AR-702-18 / Navy NAVSUPINST 4410.56B / Air Force AFMAN 23-232 (IP) / USMC MCO 4450.13B have a finite shelf life and are not authorized for shelf life extension at any time.
- 7.3.2.** Limited shelf-life items identified as Type II per Joint Service Regulation Defense Logistics Agency DLAR JP 4155.37 / Army AR-702-18 / Navy NAVSUPINST 4410.56B / Air Force AFMAN 23-232 (IP) / USMC MCO 4450.13B, shelf life extensions shall be controlled per the Joint Service Regulation and the Defense Logistics Agency Shelf-Life Extension System (DLA SLES). Per these regulations, the only authority for extending shelf life of Type II items is the DOD / DLA SLES. In-house or manufacturer extension of Type II items is strictly prohibited.
- 7.3.3.** For additional information regarding control of Type II limited shelf life items, please reference Department of Defense Shelf-Life Program website at shelflife.dla.mil.

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7.4. Traceability

- 7.4.1. Essential identification traceability (i.e., heat, lot, batch, etc.) as flowed from the Purchase Order shall be maintained for all products throughout Supplier or Distributor manufacturing or service provision.
- 7.4.2. SeAH ST shall be contacted immediately to determine disposition and course of action should product traceability be lost during Supplier or Distributor processes.

7.5. Packaging, Preservation, and Storage

- 7.5.1. Finished products shall be adequately protected in accordance with best commercial practices to prevent damage during handling, shipment, and storage.
- 7.5.2. Product shall be protected to the extent possible to prevent product-to-product contact damage, contamination, oxidation, and Foreign Object Damage.
- 7.5.3. Special handling, storage, and shipping requirements shall be delineated in the Purchase Order or ancillary procurement documents.

8. Certification

- 8.1. Depending on the type of product or service procured by SeAH ST, and the corresponding procurement document requirements, the Supplier is required to provide with each delivery a document (Certificate of Conformance, Certificate of Analysis, etc. with a statement of conformity the includes the following information at a minimum:
 - 8.1.1. Supplier or Distributor Name
 - 8.1.2. Certificate Issue Date
 - 8.1.3. Specification or Code
 - 8.1.4. Test Results
 - 8.1.5. Heat / Batch / Lot Number
 - 8.1.6. Shipment Quantity
- 8.2. The Certificate must be on company letterhead or formatted page including company logo and contain the signature of the supplier representative accepting responsibility for the conformance statement. Note: a formally formatted electronic signature is acceptable.
- 8.3. When agreed upon in writing, Suppliers may provide a certificate via email in advance of shipments or may be provided access to SeAH ST's web portal to allow for direct upload of the certificate and other relevant documentation.
- 8.4. Distributors must provide an original certificate from the original product manufacturer at the time of product shipment.

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9. Records

- 9.1. Suppliers and Distributors shall control and maintain all required records as objective evidence of conformance to requirements to the Purchase Order and to this document.
- 9.2. Suppliers and Distributors shall make such records available to SeAH ST upon request within three business days at no cost.
- 9.3. Records shall be retained for a period of ten (10) years from the time of final Purchase Order payment unless a longer period is specified by Purchase Order.
- 9.4. Where practical, the preferred medium for records is in electronic format.
- 9.5. Correction or alteration to records shall clearly identify the correction and shall be signed and dated by the individual assuming responsibility for the change. The use of white-out, correction tape, or any other method that will partially or completely obscure the original record entry is strictly prohibited.
- 9.6. Records shall include traceability information for supplied product from procured material to final condition, and for tests and inspections necessary to determine authenticity and conformance to Purchase Order requirements.