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SQ-100

Supplier Quality System Requirements



This document was established in order to meet specific work requirements and ensure conformance to established quality and safety standards.

This document will be reviewed at least every 12 months.

Process Owner:	Senior Quality Manager Training/Assurance
Stakeholder:	Director of Property and Supply Chain Management
Stakeholder	Director of Quality

Approval:

<p>James Simmons, Senior Quality Manager Training/Assurance</p>  <p>Signature</p>
--

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1.0 PURPOSE AND SCOPE

The purpose of this document is to establish uniform Supplier Quality System Requirements for all organizations providing materials, components, assemblies, services, or end-item hardware to Yulista. These requirements ensure that suppliers consistently deliver conforming products and services that meet all applicable contractual, regulatory, and customer requirements. This document defines the minimum quality system expectations that suppliers must satisfy to support Yulista’s obligations under U.S. Government and commercial contracts, including the prevention of nonconforming and counterfeit materials within the supply chain.

This document further clarifies applicability of requirements to different supplier categories. Yulista utilizes both build-to-print suppliers, who manufacture hardware in accordance with Yulista-controlled drawings and specifications, and Original Equipment Manufacturers (OEMs), who retain design authority for their own products and deliver end-item hardware under their own configuration control frameworks, this document defines how supplier quality requirements apply to each category, as determined by the applicable contract and purchase order.

This intent of this document is to eliminate ambiguity, reduce unnecessary Supplier Deviation Requests, strengthen communication between Yulista and its suppliers, and align supplier oversight activities with recognized quality management system principles, including AS9100 and AS9110, as well as applicable Federal Acquisition Regulation (FAR), Defense Federal Acquisition Regulation Supplement (DFARS), and Title 48 Code of Federal Regulations (CFR), and export control requirements (e.g., ITAR and EAR) , when applicable and when flowed down by contract or purchase order.

This document applies to all suppliers performing work for any Yulista subsidiary, including organizations providing build-to-print manufacturing, OEM end-item production, special processes, testing, calibration, maintenance, repair, and overhaul (MRO) services, or commercial-off-the-shelf (COTS) items incorporated into deliverable products or services. These requirements remain in effect unless a contract or purchase order specifies more stringent, alternative, or customer directed provisions, in which case those contractual requirements take precedence.

The requirements established in this document form the foundation for Yulista’s supplier quality expectations and are intended to ensure product safety, configuration integrity, traceability, and compliance throughout the entire supply chain. Nothing in this document is intended to add requirements beyond those contractually imposed unless explicitly stated in the applicable purchase order or subcontract.

2.0 SUPPLIER RESPONSIBILITIES

Applicability And Order of Precedence

Suppliers performing work for Yulista shall comply with all provisions of this document when referenced by the applicable contract or Purchase Order (PO).

In the event of a conflict between this document and the PO or contract, the PO or contract shall take precedence.

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If a supplier cannot meet a requirement of this document or requires an exemption, the supplier shall submit a formal Supplier Deviation Request (SDR) using YF-4.4.0-02 to the assigned Purchasing Representative (Buyer) prior to acceptance of the PO or shipment as applicable.

Product Conformity and Responsibility

Suppliers are responsible for delivering products and services that fully conform to all contractual, technical, and quality requirements identified in the PO or contract.

Transfer of title, delivery terms, or shipping designations (e.g., FOB Origin or FOB Destination) do not relieve the supplier of responsibility for product conformity or contractual compliance.

Suppliers shall ensure that no deviation, substitution, or modification – including changes related to materials, processes, specifications, configuration, manufacturing location, or external providers is implemented without written authorization through an approved change order or SDR, when required by the PO or contract.

Unauthorized changes are grounds for rejection of product and may result in removal from the Approved Vendor List (AVL).

Supplier Qualification and Ethical Conduct

Suppliers shall complete and maintain the YF-8.4.0-05 Vendor / Subcontractor Evaluation Record, providing objective evidence of capability and performance.

Suppliers shall comply with YM-PURCoC-01 Yulista Code of Conduct, including adherence to ethical workplace behavior, sound business practices, integrity in subcontractor management, and compliance with all applicable federal, state, and local laws and regulations.

Suppliers shall enforce ethical and compliant conduct throughout their subcontractor and material supply chain.

Safety and Environmental Responsibility

Suppliers shall establish and maintain safe operating practices to protect employees, subcontractors, visitors, and other personnel present at their facilities.

Safety practices shall be implemented to prevent injury, illness, equipment damage, property loss, and environmental impact in accordance with applicable legal and contractual requirements.

Communication Authority

All contractual communication regarding pricing, delivery schedules, scope of work, or other contractual directives shall originate from Yulista’s Purchasing Representative.

Suppliers shall not act upon verbal or informal directions that alter contractual requirements.

Unauthorized changes may result in shipment rejection, withholding payment, or removal from the AVL.

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Product Change And Notification Requirements

When required by the PO or contract, suppliers shall provide timely written notification of product-related changes, including but not limited to:

1. Product Change Notification (PCN).
2. Product Discontinuation Notices (PDN).
3. End-of-Life (EOL) notices.
4. GIDEP notifications.

Notifications shall be submitted to the contracts identified on the PO to all Yulista to assess impacts to configuration, procurement planning, technical data, and contractual deliverables.

Defense Priorities and Allocations System (DPAS) Compliance

Our company is committed to full compliance with the Defense Priorities and Allocations System (DPAS) regulation, as outlined in 15 CFR Part 700. When applicable, rated orders received under DPAS will be clearly identified and flowed down to all relevant suppliers and subcontractors in accordance with federal requirements.

Suppliers are required to accept and prioritize all rated orders in accordance with their rating level (DX or DO), unless a valid exception applies. Suppliers must:

- Acknowledge receipt of the rated order in writing within the timeframes specified by DPAS (15 working days for DO-rated, 10 working days for DX-rated).
- Prioritize performance and delivery of rated orders ahead of all lower-rated or unrated orders.
- Flow down DPAS requirements to their own suppliers and subcontractors as necessary to ensure compliance.
- Maintain records of all rated orders and related communications for a minimum of three (3) years.

In the event a supplier is unable to fulfill a rated order, they must notify Yulista immediately in writing with the specific reasons for non-acceptance or delay.

Failure to comply with DPAS requirements may result in contract termination and potential legal consequences.

3.0 TRAINING

Departments / Programs Requiring Training	Position	Frequency / Comments
Supplier Quality	All levels	As revised
Purchasing	All levels	As revised

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4.0 **DEFINITIONS AND ACRONYMS**

ANSI	American National Standards Institute
ATP	Acceptance Test Plan
AVL	Approved Vendor List
AWS	American Welding Society
BGA	Ball Grid Array
BTP	Build-to-Print or Build to a drawing
CC	Critical Characteristics
CCA	Circuit Card Assembly
CCAP	Counterfeit Components Avoidance Program
COA	Certificate of Authentication
CoC	Certificate of Conformance
CARC	Chemical Agent Resistant Coating
CSI	Critical Safety Items
ESD	Electrostatic Discharge
FAI	First Article Inspection
FIFO	First In - First Out
FOD	Foreign Object Damage
GHS	Globally Harmonized System
GIDEP	Government-Industry Data Exchange Program
HAZMAT	Hazardous Material
JACG	Joint Aeronautical Commanders Group
MIL-SPEC	Military Specification
MTR	Material Test Report
NCR	Nonconforming Material
NIST	National Institute of Standards and Technology
ODC	Ozone Depleting Chemical
ODS	Ozone Depleting Substance
OEM	Original Equipment Manufacturer
OCM	Original Component Manufacturer
OSHA	Occupational Safety and Health Administration
PCB	Printed Circuit Board
PO	Purchase Order
QMS	Quality Management System
QPD	Qualified Product Database
RMA	Return Material Authorization
RTS	Return to Supplier
RoHS	Restriction of Hazardous Substances
SCAR	Supplier Corrective Action Request
SDS	Safety Data Sheet
SOW	Statement of Work
SPC	Statistical Process Data
TDP	Technical Data Package

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5.0 QUALITY CLAUSE CATEGORIES

5.1 Applicability of Quality Clauses

The quality clauses listed in this section apply to suppliers providing materials, components, assemblies, and services to Yulista only when identified on the applicable Purchase Order (PO) or subcontract, unless otherwise stated. Clauses are selected based on the type of supplier (e.g., Build-to-Print Manufacturer, Original Equipment Manufacturer (OEM) or Original Component Manufacturer (OCM), Distributor, or Service Provider) and the type of product or service being procured.

The specific quality clauses applicable to a supplier are identified on each PO and become contractual requirements upon acceptance of the PO. Quality clauses not identified on the PO do not apply unless otherwise required by contract, regulation, or explicit written flow-down.

5.1.1 Build-to-Print Suppliers

Build-to-Print (BTP) manufacture products to Yulista-controlled drawings, specifications, or customer-provided technical data packages that have been contractually authorized for use.

Unless otherwise stated in the applicable Purchase Order (PO), all quality clauses within Section 5.2 that identified on the PO apply to BTP suppliers.

BTP suppliers are required to, as applicable to the PO and contract:

- a. Meet all drawing, specification, and process requirements.
- b. Perform First Article Inspection (FAI) in accordance with AS9102 when required.
- c. Provide all certifications and objective evidence specified on the PO.
- d. Request and obtain formal written approval for any deviation, substitution, or change.
- e. Maintain full traceability to raw materials, special processes, and applicable sub-tier suppliers.

5.1.2 Original Equipment Manufacturers (OEMs / OCMs)

Original Equipment Manufacturers (OEMs) and Original Component Manufacturers (OCMs) are organizations that design, manufacture, and retain configuration authority of the products they supply.

Because OEMs operate under their own approved engineering, manufacturing, and certification systems, certain quality clauses may apply differently when compared to BTP suppliers. The applicability of quality clauses to OEMs is determined by the contract and specific requirements identified on the applicable Purchase Order (PO).

Unless otherwise required by contract or PO, OEMs typically demonstrate compliance with applicable requirements through one or more of the following:

- a. OEM-issued Certificate of Conformance.
- b. Production or acceptance test reports generated under the OEMs approved system.

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- c. OEM-issued compliance or release documentation.
- d. Approved OEM engineering change and configuration control processes.
- e. OEM-issued product change, obsolescence, or discontinuation notifications.
- f. Participation in the Government-Industry Data Exchange Program (GIDEP), when required.

OEMs are not required to provide build-to-print documentation such as AS9102 First Article Inspection Reports, raw material certifications for subcomponents, or special process certifications for proprietary in-house processes unless explicitly required by the contract or PO.

Notwithstanding the above, OEMs remain responsible for:

- a. Delivering products that conform to the requirements of the PO.
- b. Providing timely notification of product changes, obsolescence, or safety-impacting issues.
- c. Complying with applicable counterfeit material prevention and authenticity requirements.
- d. Supporting regulatory, safety, or contractual reporting obligations when required.

5.1.3 Distributors / Resellers

Distributors must comply with all requirements relating to:

- 1. Product authenticity
- 2. Traceability back to the OEM/OCM
- 3. Chain-of-custody documentation
- 4. Proper labeling, packaging, and handling
- 5. GIDEP notices when applicable

Distributors must not break OEM traceability unless authorized in writing.

5.1.4 Service Providers and Special Processors

Service providers and special processors; including organizations performing calibration, non-destructive testing (NDT), plating, coating, heat treatment, inspection services, and testing – shall comply with applicable quality clauses identified on the Purchase Order (PO).

As applicable to the contract and PO, service providers and special processors shall:

- a. Maintain required accreditations, approvals, or qualifications applicable to the service being performed.
- b. Provide service certifications, reports, or objective evidence demonstrating conformity to applicable specifications and standards.
- c. Utilize qualified and competent personnel in accordance with applicable requirements.
- d. Perform services in accordance with the specified methods, standards, and revision levels identified on the PO or referenced technical documentation.

When services or special processes are subcontracted, the supplier remains responsible for

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ensuring that sub-tier service providers meet all applicable contractual and quality requirements.

5.2 QUALITY CLAUSES

QC-101 Process Control Requirements

Suppliers shall ensure that all manufacturing, inspection, and test processes are performed under controlled conditions that meet the requirements of the applicable Purchase Order (PO), drawings, specifications, and referenced industry standards. Process controls shall be implemented to ensure consistent execution and conformity of product and services.

Suppliers shall maintain documented procedures, work instructions, travelers, routers, or equivalent controlled methods, as applicable, that define production sequencing, process control parameters, inspection methods, and verification activities necessary to demonstrate compliance with contractual requirements.

QC-102: Approval of Products or Services

All products and services delivered to Yulista shall comply with the requirements defined in the applicable Purchase Order (PO), approved technical data, and referenced specifications.

Acceptance of products or services by Yulista, including receiving inspections or other verification activities, does not relieve the supplier of responsibility for product quality, configuration control, or compliance with contractual requirements.

QC-103: Workmanship and General Quality Requirements

Products delivered to Yulista shall conform to applicable workmanship requirements defined by the Purchase Order (PO), approved technical data, referenced specifications, or applicable industry standards. Products shall be free from defects, contamination, damage, or conditions that could adversely affect form, fit, function, safety, or performance.

Suppliers shall ensure that personnel performing manufacturing, inspection, or verification activities are trained, qualified, and competent to perform the tasks assigned, in accordance with applicable contractual, regulatory, or specification requirements.

QC-104: Measuring Equipment and Tooling

All inspection, measuring, and test equipment used to verify product or service conformance shall be calibrated and traceable to national or international measurement standards, as applicable. Calibration status shall be identifiable, and equipment found to be out of tolerance shall be evaluated for potential impact to previously verified product when required.

Suppliers shall maintain calibration and verification records for applicable inspection, measuring, and test equipment, and such records shall be made available to Yulista upon request when required by contract or purchase order.

QC-105: Packaging, Handling, and Preservation

Suppliers shall package, handle, preserve, and protect materials and products in a manner that prevents damage, contamination, corrosion, deterioration, or loss during handling, storage, and shipment.

Packaging, handling, and preservation methods shall comply with the requirements specified on the applicable Purchase Order (PO), approved technical data, or contractually flowed-down

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standards. When no specific packaging requirements are identified, suppliers shall apply commercially accepted practices suitable for the product and the method of transportation to ensure product conformity upon receipt.

QC-106: Identification and Traceability

Suppliers shall ensure that all products are properly identified and traceable in accordance with the requirements specified on the applicable Purchase Order (PO), approved technical data, or referenced specifications.

Identification and traceability shall provide objective evidence linking the product to the supplier and, as applicable, to the manufacturing lot, batch, heat number, serial number, date code, or other identifiers required by contract. Traceability shall be maintained through all applicable stages of manufacturing, inspection, and delivery.

QC-107: Documentation Requirements

Suppliers shall furnish all documentation required by the applicable Purchase Order (PO), including inspection reports, test data, certifications, and other product- or service-specific records.

Unless otherwise explicitly authorized by the PO, all required documentation shall accompany the product at the time of delivery and be readily available to support receiving inspection and acceptance. Documentation provided separately from the product without prior authorization may result in receiving delays, nonconformance, or rejected receipt.

All documentation shall be legible, accurate, complete, and clearly traceable to the delivered product, lot, batch, serial number, or other applicable identifier, and shall demonstrate compliance with contractual requirements.

QC-108: Inspection and Test Requirements

Suppliers shall perform all inspections and tests required by the applicable Purchase Order (PO), approved technical data, or referenced specifications to demonstrate product or service conformance.

Inspection and test activities may include, as applicable, in-process inspection, final inspection, and functional or performance testing when required by contract. Results of inspections and tests shall be documented and retained as objective evidence of conformity in accordance with contractual and quality record requirements.

QC-109: Certificate of Conformance (CofC) Requirements

Suppliers shall provide a Certificate of Conformance (CofC with each shipment) certifying that the delivered products conform to all applicable Purchase Order (PO), drawing, specification, and contractual requirements.

Unless otherwise authorized by the PO, the CofC shall accompany the shipment at the time of delivery and be readily available to support receiving inspection and acceptance in accordance with QC-107.

At a minimum, the CofC shall include sufficient information to demonstrate product conformity and traceability, which may include:

- a. Supplier name and address.

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- b. Part number and revision level (as applicable).
- c. Quantity shipped.
- d. Lot, batch, heat number, serial number, or other traceability identifiers when required.
- e. Purchase Order number when required by the PO.
- f. A statement of conformity signed or authorized by a responsible representative of the supplier.

Failure to provide a complete and compliant CofC at the time of delivery may result in receiving delays, nonconformance, or rejected receipt.

Quality Clauses (QC-201-QC-210)

QC-201: Critical Safety Items (CSI) and Limited Life Components

When a product procured under a Purchase Order (PO) is identified as a Critical Safety Item (CSI) or contains limited-life components, the supplier shall comply with all applicable requirements specified in the PO, approved technical data, contract, and referenced specifications.

Suppliers shall provide objective evidence of traceability sufficient to demonstrate conformity and airworthiness, as applicable, which may include manufacturing lot, batch, heat number, serial number, expiration date or shelf-life information, and any required certifications or airworthiness release documentation specified by the PO or contract.

Traceability and documentation requirements for CSI and limited-life components shall be maintained through manufacturing, inspection, and delivery, and shall be retained in accordance with contractual and quality record retention requirements.

QC-202: Electronic Component Handling and Traceability

Suppliers providing electronic components shall ensure that items are traceable to the Original Component Manufacturer (OCM) in accordance with the requirements specified on the applicable Purchase Order (PO), approved technical data, or referenced specifications.

Electronic components shall be handled, stored, and packaged in a manner that prevents damage due to electrostatic discharge (ESD), moisture intrusion, contamination, or physical handling. Protective controls shall be applied as required by the PO, applicable standards, or manufacturer handling instructions.

Distributors and resellers shall provide objective evidence of chain-of-custody sufficient to demonstrate an unbroken trace from the OCM or authorized source to the supplier delivering the product to Yulista, when required by contract or PO.

QC-203: SHELF-LIFE CONTROLLED MATERIALS

Materials with a defined shelf life shall be delivered with a minimum of fifty percent (50%) remaining shelf life at the time of delivery, unless otherwise authorized by the applicable Purchase Order (PO) or contract.

Expiration date, cure date, batch or lot number, and any required storage conditions shall be clearly identified on each container or packaging to ensure proper handling, storage, and use. Shelf-life information shall be sufficient to demonstrate compliance with contractual and technical

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requirements and to support receiving inspection and material control activities.

QC-204: Foreign Object Debris (FOD) Prevention

Suppliers shall implement controls or processes appropriate to the complexity of the product and work being performed to prevent foreign object debris (FOD) from affecting product quality or safety.

Products shall be free of loose debris, contamination, or damage prior to shipment. Packaging and handling methods shall protect products from FOD intrusion during handling, storage, and transit in accordance with the applicable Purchase Order (PO), approved technical data, or contractually flowed-down requirements.

QC-205: Material Handling and Protection Requirements

Suppliers shall implement appropriate material handling and protection controls to prevent damage, corrosion, deterioration, or contamination of products during manufacturing, storage, handling, and shipment.

Protective devices such as caps, plugs, sleeves, covers, or equivalent means shall be applied when required by the applicable Purchase Order (PO), approved technical data, or referenced specifications to preserve product condition and integrity through delivery.

QC-206: Identification of Non-Metallic Materials

When delivering non-metallic materials such as composites, elastomers, adhesives, sealants, or similar products, suppliers shall ensure that materials are properly identified and traceable to the manufacturer.

As applicable, identification shall include batch or lot number, cure date, expiration date, and any required storage or handling conditions necessary to preserve material integrity. Traceability shall be sufficient to demonstrate conformity to the applicable Purchase Order (PO), approved technical data, or referenced specifications.

When non-metallic materials have a defined shelf life, identification and acceptance shall comply with the shelf-life requirements specified in QC-203 and any additional requirements identified on the PO or contract.

QC-207: Hazardous Materials (Hazmat) Compliance

When products contain or are shipped with hazardous materials, suppliers shall identify such materials and provide applicable Safety Data Sheets (SDS) in accordance with Occupational Safety and Health Administration (OSHA) requirements and other applicable federal, state, and local regulations.

Hazardous materials shall be packaged, labeled, handled, and shipped in compliance with all applicable hazardous material transportation regulations and any additional requirements specified on the applicable Purchase Order (PO) or contract.

QC-208: Country of Origin and DFAR Compliance

When required by contract or Purchase Order (PO), suppliers shall identify the country of origin of supplied materials and products and shall comply with all applicable Defense Federal Acquisition Regulation Supplement (DFARS) requirements.

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Compliance may include, as applicable, restrictions related to specialty metals, domestic material sourcing, or prohibitions on materials originating from restricted or non-approved countries. Suppliers shall provide objective evidence sufficient to demonstrate compliance with applicable DFARS and country-of-origin requirements as specified on the PO or contract.

QC-209: Environmental and REACH/RoHS Requirements

When required by contract or Purchase Order (PO), suppliers shall comply with applicable environmental and chemical substance restrictions, which may include requirements related to REACH, RoHS, hazardous substance limitations, or other regional or international environmental regulations.

Suppliers shall provide objective evidence sufficient to demonstrate compliance with applicable environmental requirements as specified on the PO or contract.

QC-210: Material Certification and Chemical/Physical Test Reports

When required by the applicable Purchase Order (PO), approved technical data, or referenced specifications, suppliers shall provide chemical and/or physical test reports or material certifications for raw materials used in the manufacture of delivered products.

Material certifications shall include, as applicable:

- a. Material specification and revision.
- b. Lot or heat number.
- c. Chemical composition and/or physical test results.
- d. Objective evidence demonstrating conformance to applicable requirements.

Material certification and test report requirements apply only to the extent specified by the PO, contract, or technical documentation and shall not be interpreted as a universal requirement for all delivered products.

Quality Clauses (QC-301-QC-310)

QC-301: Documentation and Record Retention Requirements

Suppliers shall maintain manufacturing, inspection, test, and certification records generated during the production or servicing of items delivered to Yulista.

Unless otherwise specified by the applicable Purchase Order (PO), contract, or regulatory requirement, suppliers shall retain such records for a minimum of three (3) years from the date of final acceptance or delivery.

When required by contract, regulation, or item criticality (e.g., Critical Safety Items, airworthiness-related products, or life-limited components), suppliers shall retain records for the longer period specified by the PO or contract.

Records shall be readily retrievable and made available to Yulista, its customers, or regulatory authorities upon request at no additional cost.

Electronic records are acceptable provided they remain secure, legible, traceable to the applicable product or service, and protected against unauthorized alteration or loss.

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QC-302: Configuration Management and Change Notification

Suppliers shall ensure that products delivered to Yulista conform to the configuration, part number, and revision level specified on the applicable Purchase Order (PO), approved technical data, or referenced specifications.

Suppliers shall not implement design, material, process, manufacturing location, or configuration changes that affect form, fit, function, interchangeability, or performance without prior written authorization when required by the PO or contract.

Suppliers shall notify Yulista of any proposed or implemented product configuration changes, including changes related to form, fit, function, obsolescence, interchangeability, or technical data updates, that could impact contractual requirements, product performance, or regulatory obligations, as specified by the PO or contract.

QC-303: Test Data, Functional Results, and Compliance Reports

When required by the applicable Purchase Order (PO), approved technical data, or referenced specifications, suppliers shall provide test data, functional test results, or compliance reports demonstrating conformity to specified performance requirements.

Test documentation shall include, as applicable, the part number, serial number or other unique identifier, specification or test method used, and the recorded results or pass/fail determination. Test data shall be legible and traceable to the delivered product or service and shall provide objective evidence of compliance with contractual requirements.

QC-304: Serialization and Unique Item Identification

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall apply serialization or Unique Item Identification (UID) markings in accordance with the specified standard or contractual requirement (e.g., MIL-STD-130).

Suppliers shall maintain traceability between the assigned serial number or UID and all applicable manufacturing, inspection, test, and certification records to ensure configuration control and product accountability.

QC-305: Control of Technical Data

Suppliers shall ensure that all drawings, technical data packages, specifications, digital models, and other technical information provided by or authorized for use by Yulista are protected from unauthorized access, distribution, or use.

Suppliers shall use only the technical data revision level specified on the applicable Purchase Order (PO), approved technical data, or referenced specifications. Any conflicted, unclear, or incomplete technical requirement shall be reported to Yulista for resolution prior to commencement of work.

When applicable, suppliers shall comply with all contractual, regulatory, and export control requirements associated with the handling, use, and protection of technical data, as specified by the PO or contract.

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QC-306: Obsolescence Notification and End-of-Life (EOL) Reporting

Suppliers shall notify Yulista in writing of any known or anticipated product obsolescence, end-of-life (EOL) declarations, discontinuation, or product changes that could impact form, fit, function, interchangeability, performance, or continued support of products or services delivered to Yulista.

Notifications shall be submitted as soon as such information becomes available and no later than thirty (30) days after formal release or notification by the manufacturer or supplier.

Notifications shall be transmitted to the Yulista points of contact identified on the Purchase Order or, when not otherwise specified, to the designated supplier quality and product definition contacts.

QC-307: Product Change Notification (PCN)

Suppliers shall notify Yulista of any proposed or implemented changes to manufacturing processes, materials, equipment, tooling, facility location, or sub-tier suppliers that could impact product conformity, quality, interchangeability, performance, or compliance with contractual requirements.

When practicable, suppliers shall provide advance notification of such changes prior to implementation. Notifications shall include a description of the change, an assessment of potential impact to delivered products or services, and the proposed or effective date of the change, as required by the applicable Purchase Order (PO) or contract.

QC-308: Re-Worked or Repaired Product Requirements

Suppliers shall not perform rework, repair, refurbishment, or corrective action on delivered items unless such activities are documented, traceable, and performed in accordance with the applicable Purchase Order (PO), approved technical data, or referenced specifications.

When required by the PO or contract, rework or repair activities shall be authorized prior to implementation. Reworked or repaired products shall be clearly identified, and documentation shall be provided to demonstrate the nature of the rework or repair, compliance with applicable requirements, and continued conformity of the product.

When specified by the PO, reworked or repaired products shall be accompanied by updated certifications or objective evidence of conformity.

QC-309: Sampling Inspection

When permitted by the applicable Purchase Order (PO), contract, or referenced specifications, suppliers may employ sampling inspection methods to verify product conformance.

Sampling plans shall be based on recognized statistical standards (e.g., ANSI/ASQ Z1.4, AS9100 requirements, or an equivalent standard) and shall be appropriate to the product, process, and risk level. Use of alternative or equivalent sampling standards shall be subject to approval when required by the PO or contract.

Sampling inspection shall not be used for Critical Safety Items (CSI), life-limited components, or in any case where sampling inspection is prohibited by the PO, technical data, or contract.

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QC-310: Software, Firmware, and Programmable Devices

When software, firmware, or programmable logic devices are included in delivered products or services, suppliers shall ensure that software versions, configurations, and revisions are controlled and traceable to the applicable Purchase Order (PO), approved technical data, or referenced specifications.

When required by the PO or contract, suppliers shall provide software version identifiers, release notes, configuration baselines, or other objective evidence necessary to demonstrate conformity with contractual requirements.

Quality Clauses (QC-401-QC-410)

QC-401: Raw Material Certification Requirements

Suppliers shall provide raw material certifications when required by the applicable Purchase Order (PO), approved technical data, or when the product is manufactured to a drawing or specification that defines material composition, material specification, or performance requirements.

When required, raw material certifications shall include, as applicable:

- a. Material specification and revision.
- b. Heat or lot number.
- c. Mechanical and/or chemical test results where applicable.
- d. Traceability to the mill or material source of origin.
- e. Quantity represented by the certificate.

All supplied raw materials shall comply with the applicable drawing, specification, and contractual requirements in effect at the time of manufacture, unless otherwise directed by the PO or contract.

Raw material certification requirements apply only to the extent specified by the PO, contract, or technical documentation and shall not be interpreted as a universal requirement for all delivered products.

QC-402: DFARS Specialty Metal and Domestic Material Requirements

When required by the applicable Purchase Order (PO), contract, or regulatory flow-down, suppliers shall comply with Defense Federal Acquisition Regulation Supplement (DFARS) requirements related to specialty metals, domestic material sourcing, and procurement from approved countries.

Suppliers shall maintain objective evidence sufficient to demonstrate compliance with applicable DFARS requirements and shall provide such documentation upon request by Yulista, its customers, or authorized regulatory representatives, as specified by the PO or contract.

QC-403: Material Substitution or Alternate Material Requests

Suppliers shall not substitute raw materials, alloys, tempers, grades, or equivalent material characteristics specified by the applicable Purchase Order (PO), approved technical data, or referenced specifications without formal written authorization when required by contract.

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When a material substitution or alternate material is proposed due to availability, obsolescence, or other supply constraints, the supplier shall submit a Supplier Deviation Request (SDR) using YF-4.4.0-02 and obtain approval prior to manufacture, processing, or use of the substituted material, as required by the PO or contract.

Material substitutions that could affect form, fit, function, performance, safety, airworthiness, or contractual configuration shall not be implemented without appropriate authorization.

QC-404: Plating, Coating, and Surface Treatments

Suppliers shall ensure that all plating, coating, anodizing, and surface treatment processes are performed in accordance with the applicable Purchase Order (PO), approved technical data, or referenced specifications.

When required by the PO, drawing, or specification, suppliers shall provide certifications or objective evidence demonstrating compliance with applicable surface treatment requirements. Such documentation may include, as applicable:

- a. Process performed.
- b. Specification number and revision.
- c. Applicable bake cycles, curing parameters, or processing conditions.
- d. Process lot or batch number.
- e. Processor identification and accreditation when required.

Special processes shall be performed by qualified personnel using approved procedures appropriate to the process and contractual requirements.

QC-405: Heat Treatment Certification

When heat treatment is required by the applicable Purchase Order (PO), approved technical data, or referenced specifications, suppliers shall ensure that heat treatment is performed in accordance with the specified standard.

When required by the PO, drawing, or specification, suppliers shall provide certifications or objective evidence demonstrating compliance with heat treatment requirements. Such documentation may include, as applicable:

- a. Heat treatment cycle performed.
- b. Temperature and time parameters.
- c. Lot or batch number.
- d. Specification or process reference.

Heat treatment shall be performed by qualified personnel using approved procedures appropriate to the process and contractual requirements.

QC-406: Welding and Brazing Certifications

When welding, brazing, or similar joining processes are required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform such processes in accordance with the specified AWS, ASME, military, or other referenced standards.

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When required by the PO or contract, welding and brazing personnel shall be qualified or certified to the applicable standard, and supporting certifications, procedure qualifications, or objective evidence shall be provided as specified.

Where welding or brazing is performed and no specific personnel certification or qualification standard is invoked by the PO, contract, or technical data, suppliers shall ensure that welding and brazing processes are performed using qualified procedures, appropriate controls, and competent personnel sufficient to meet contractual requirements.

QC-407: Non-Destructive Testing (NDT) Requirements

When Non-Destructive Testing (NDT) is required by the applicable Purchase Order (PO), contract, drawing, or approved technical data, suppliers shall perform NDT in accordance with the specified method(s) (e.g., penetrant, magnetic particle, radiographic, ultrasonic, eddy current) and applicable acceptance criteria.

When required by the PO, contract, or technical data, NDT personnel shall be qualified or certified to the applicable standard (e.g., NAS-410 or equivalent), and NDT procedures shall be approved, current, and appropriate for the method being performed.

NDT reports shall include, as applicable, part identification, lot or serial number, inspection method, acceptance criteria, results, and evidence of compliance with specified requirements.

QC-408: Chemical Processing Requirements

When chemical processing operations such as chemical film treatment, passivation, conversion coating, or cleaning are required by the applicable Purchase Order (PO), approved technical data, or referenced specifications, suppliers shall perform such processes in accordance with the specified requirements.

When required by the PO, drawing, or specification, suppliers shall provide certifications or objective evidence demonstrating compliance with applicable chemical processing requirements. Such documentation may include, as applicable:

- a. Process performed
- b. Specification and revision.
- c. Processor identification.
- d. Lot or batch number.

Chemical processing shall be performed by qualified personnel using approved procedures appropriate to the process and contractual requirements.

QC-409: Material Safety, Handling, and Environmental Requirements

When materials require special handling due to hazardous characteristics, environmental sensitivity, temperature control, or other handling constraints, suppliers shall package, label, handle, and ship such materials in accordance with applicable regulatory requirements and the applicable Purchase Order (PO).

Safety Data Sheets (SDS) or other required material safety documentation shall accompany the shipment or be provided as specified by the PO when applicable, and shall be sufficient to support safe handling, storage, and regulatory compliance.

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QC-410: Counterfeit Material Prevention and Authenticity Verification

Suppliers shall implement controls appropriate to the products and services provided to prevent the introduction of counterfeit or suspect counterfeit materials into the supply chain, when required by the applicable Purchase Order (PO), contract, or regulatory flow-down.

Such controls should be sufficient to ensure, as applicable:

- a. Materials and components are procured from legitimate OEM, OCM, or authorized sources.
- b. Use of unauthorized brokers or sub-tier suppliers is controlled or prohibited where required.
- c. Chain-of-custody and traceability are maintained to the extent specified by the PO or contract.
- d. Objective evidence is available to demonstrate authenticity when required.

Suppliers shall notify Yulista immediately upon discovery or suspicion of counterfeit or suspect counterfeit material and shall support investigation, containment, and disposition activities as required by contract or regulatory obligations.

Quality Clauses (QC-501-QC-510)

QC-501: Personnel Training and Competency Requirements

Suppliers shall ensure that personnel performing manufacturing, inspection, testing, or special process operations are trained, qualified, and competent to perform the tasks assigned to them, in accordance with the applicable Purchase Order (PO), approved technical data, and referenced specifications.

Suppliers shall maintain documented training, qualification, or competency records sufficient to demonstrate that personnel have been instructed in applicable procedures, specifications, inspection methods, and process requirements relevant to their assigned responsibilities.

Suppliers shall ensure that personnel remain current with changes to methods, specifications, procedures, or other requirements that could affect product quality or conformity, as applicable to the work being performed.

QC-502: Calibration System Requirements

Suppliers shall include all inspection, measuring, and test equipment used to verify product or service conformance in a controlled calibration system appropriate to the work being performed.

Calibration shall be traceable to national or international measurement standards and shall comply with the applicable Purchase Order (PO), approved technical data, referenced specifications, or recognized calibration system requirements (e.g., ANSI/NCSL Z540.3, ISO/IEC 17025, or an equivalent standard), when required.

Calibration status shall be clearly identifiable. Equipment found to be out of tolerance shall be evaluated for potential impact on previously inspected or tested product, and appropriate action shall be taken in accordance with contractual and quality system requirements.

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QC-503: Inspection Planning and Verification Requirements

Suppliers shall plan and perform inspection and verification activities sufficient to ensure that applicable drawing requirements, specifications, and contractual requirements identified on the Purchase Order (PO) are verified.

When required by the PO, approved technical data, or referenced specifications, inspection planning shall identify characteristics to be inspected, applicable sampling methods, inspection or test methods, equipment to be used, and acceptance criteria.

Suppliers remain responsible for verifying product or service compliance with contractual requirements, regardless of any receiving inspection or verification activities performed by Yulista.

QC-504: Work Instructions, Process Documents, and Traveler Control

Suppliers shall maintain controlled work instructions, routers, travelers, or equivalent documentation sufficient to define the manufacturing sequence, inspection steps, process controls, and verification methods required by the applicable Purchase Order (PO), approved technical data, or referenced specifications.

Work instructions and process documentation shall reflect the current drawing and specification revisions authorized for use and shall be available to personnel at the point of use throughout manufacturing, inspection, and verification activities. Documentation may accompany the product physically or be maintained electronically, provided control and accessibility are ensured.

Completed work instructions, travelers, routers, or equivalent records generated during execution shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-505: Control of Subcontractors and Special Processors

Suppliers shall be responsible for ensuring that subcontractors and special process providers used in the fulfillment of Purchase Orders (POs) meet all applicable contractual, technical, and quality requirements for the product or service being procured.

Suppliers shall evaluate, approve, and monitor subcontractors and special process providers for capability and performance, commensurate with the requirements and risks associated with the work being performed.

When special processes (e.g., welding, heat treatment, non-destructive testing, plating, coating) are required by the PO, approved technical data, or referenced specifications, such processes shall be performed by qualified organizations meeting the applicable standards specified by the contract or PO.

QC-506: Control of Nonconforming Product

Suppliers shall implement controls to identify, segregate, and prevent the unintended use or shipment of nonconforming materials or products.

Suppliers shall notify Yulista within twenty-four (24) hours of discovery or identification of any nonconformance that affects compliance with applicable Purchase Order (PO) requirements, approved technical data, specifications, form, fit, function, safety, or regulatory obligations.

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Nonconforming product shall not be shipped, repaired, reworked, or otherwise dispositioned without prior written authorization when required, including approval of a Supplier Deviation Request (SDR) using YF-4.4.0-02, as specified by the PO or contract.

QC-507: First Article Inspection (FAI) Requirements (AS9102)

Suppliers shall perform First Article Inspection (FAI) in accordance with AS9102 when required by the applicable Purchase Order (PO), approved technical data, drawing, specification, or reference standard.

FAI may be required for, but is not limited to, the following conditions when specified by the PO or technical data:

- a. New part numbers.
- b. Drawing or specification changes affecting form, fit, or function.
- c. Manufacturing location or source changes.
- d. Production restarted following a lapse in manufacturing.
- e. Any condition requiring product or process requalification.

When required, FAI reports shall be complete, accurate, and include sufficient objective evidence to demonstrate conformity to all applicable requirements.

Applicability of FAI requirements to specific supplier types, including build-to-print suppliers and Original Equipment Manufacturers (OEMs), is governed by Section 5.1 Applicability of Quality Clauses and the requirements identified on the PO.

QC-508: Delivery and Scheduling Requirements

Suppliers shall meet all delivery dates specified in the applicable Purchase Order (PO).

When a supplier becomes aware of a potential or anticipated delay, the supplier shall notify the Yulista Purchasing Representative promptly and provide the reason for the delay along with the earliest achievable recovery date, as required by the PO or contract.

Partial deliveries shall not be made unless explicitly authorized in writing by the PO or by the Yulista Purchasing Representative.

QC-509: Special Process Control Requirements

When special processes—such as plating, welding, heat treatment, non-destructive testing (NDT), anodizing, chemical conversion coating, bonding, soldering, composite layup, or similar operations—are required by the applicable Purchase Order (PO), approved technical data, or referenced specifications, suppliers shall perform such processes in accordance with the specified requirements.

Special processes shall be executed using qualified procedures and personnel trained and competent to perform the process, commensurate with the applicable contractual and technical requirements.

When required by the PO, drawing, or specification, suppliers shall provide process certifications or other objective evidence demonstrating compliance with special process requirements.

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QC-510: Supplier Process Changes

Suppliers shall notify Yulista of any proposed or implemented changes to manufacturing processes, equipment, materials, inspection methods, test methods, facility location, or sub-tier suppliers that could affect product quality, conformity, interchangeability, performance, or compliance with contractual requirements.

When required by the applicable Purchase Order (PO), contract, or approved technical data, such changes shall not be implemented until appropriate approval is obtained. Notifications shall include sufficient information to allow evaluation of the potential impact of the change, as specified by the PO or contract.

Quality Clauses (QC-601-QC-610)

QC-601: Supplier Quality Management System Requirements

Suppliers shall maintain a Quality Management System (QMS) appropriate to the scope of work being performed and capable of consistently producing products and services that conform to applicable Purchase Order (PO), contractual, and technical requirements.

An acceptable QMS may be based on recognized industry standards such as AS9100, AS9110, AS9120, ISO 9001, or an equivalent quality management framework appropriate to the supplier's role and risk profile.

When required by the PO, contract, or regulatory flow-down, suppliers shall provide objective evidence of QMS implementation, which may include current certifications, audit summaries, or other documented evidence demonstrating effective system operation.

QC-602: Enhanced Calibration and Metrology Requirements

When advanced measurement, precision inspection, or enhanced metrology requirements are specified by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall ensure that calibration and measurement systems meet the specified requirements.

When required by the PO or contract, calibration systems shall comply with recognized metrology standards such as ISO/IEC 17025, ANSI/NCSL Z540.3, or other specified standards. Calibration certificates shall include, as applicable, evidence of traceability to national or international standards, calibration method, and measurement uncertainty when required.

Enhanced calibration and metrology requirements defined in this clause supplement the baseline calibration system requirements of QC-502 and apply only to the extent specified by the PO, contract, or technical documentation.

QC-603: Production Process Verification (PPV)

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall conduct Production Process Verification (PPV) or equivalent activities to validate manufacturing processes prior to full-rate production.

PPV activities shall be sufficient to demonstrate, as applicable:

- a. Repeatability and stability of process steps.
- b. Conformance to drawing, specification, and contractual requirements.

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- c. Proper setup, control, and capability of equipment and tooling.
- d. Objective evidence of compliance with applicable requirements.

Documentation generated as part of PPV activities shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements, unless otherwise specified by the PO or contract.

QC-604: Process Capability and Statistical Process Control (SPC)

When specified by the applicable Purchase Order (PO), contract, or approved technical data, or when producing high-rate, high-precision, or critical components identified by the PO, suppliers shall implement Statistical Process Control (SPC) or equivalent process monitoring methods appropriate to the product and process.

SPC data or other objective evidence of process stability and capability shall be made available to Yulista upon request, as required by the PO or contract. Process capability metrics (e.g., Cpk, Ppk) may be used when specified or when otherwise agreed but are not required unless explicitly invoked by the PO, contract, or technical documentation.

Characteristics requiring SPC or enhanced process monitoring shall be identified on the applicable drawing, specification, or contract.

QC-605: Key Characteristics and Critical Features

When drawings, specifications, or approved technical data identify Key Characteristics (KCs) or Critical Features, suppliers shall implement appropriate controls to ensure compliance with the specified requirements.

Such controls may include, as applicable and when required by the applicable Purchase Order (PO), contract, or technical documentation:

- a. Enhanced inspection or verification methods.
- b. Increased inspection frequency or 100% inspection.
- c. Statistical Process Control (SPC) or other process monitoring.
- d. Specific test or validation requirements.

Key Characteristics and Critical Features shall be clearly identified in applicable work instructions, routers, travelers, or equivalent execution documentation to ensure appropriate control during manufacturing, inspection, and verification.

QC-606: Software / Hardware Configuration Integrity for Avionics and Electrical Assemblies

Suppliers delivering avionics, software-driven components, programmable devices, or electrical assemblies shall maintain configuration integrity throughout manufacturing, inspection, and verification activities, in accordance with the applicable Purchase Order (PO), approved technical data, and referenced specifications.

Suppliers shall ensure that firmware, software versions, programmable logic configurations, and serial-numbered hardware components are documented and traceable to the extent required to demonstrate compliance with contractual configuration requirements.

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The configuration delivered shall match the version, revision, and configuration specified on the PO or approved technical data. Any deviation or configuration change shall be controlled and authorized in accordance with applicable contractual change control requirements.

QC-607: First Article Inspection (Advance Form) – AS9102 with Additional Evidence

When specified by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform a First Article Inspection (FAI) in accordance with AS9102 and provide enhanced supporting objective evidence in addition to the standard AS9102 requirements.

QC-607 applies only to items identified by the PO as high-risk, complex, safety-critical, or aircraft-critical and supplements, but does not replace the requirements of QC-507 First Article Inspection (AS9102).

When invoked, the enhanced FAI package may include, as applicable and when required by the PO:

- a. Detailed process flow or manufacturing sequence documentation.
- b. Raw material certifications when required by drawing or specification.
- c. Special process certifications.
- d. Dimensional inspection reports.
- e. Test or functional data.
- f. Ballooned drawings.
- g. Photographic or visual evidence when specifically requested.

The scope and content of enhanced FAI evidence shall be defined by the PO, contract, or approved technical data and shall be limited to what is necessary to demonstrate conformity and risk mitigation.

QC-608: Acceptance Test Procedures and ATP Reports

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform Acceptance Testing using documented Acceptance Test Procedures (ATPs).

ATPs shall define, as applicable, test methods, required equipment, test conditions, acceptance criteria, and pass/fail requirements necessary to demonstrate conformity with contractual requirements.

When invoked by the PO or contract, completed ATP reports shall be provided as objective evidence of acceptance and shall be submitted with the shipment or in the manner specified by the PO, consistent with QC-107 Documentation Requirements.

QC-609: Enhanced Special Process Verification

When specified by the applicable Purchase Order (PO), contract, or approved technical data, enhanced verification requirements shall apply to special processes such as welding, non-destructive testing (NDT), heat treatment, plating, or coating.

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When invoked, special processes shall be performed by processors that meet the qualification, approval, or accreditation requirements specified by the PO or contract. Such requirements may include, as applicable:

- a. NADCAP accreditation.
- b. Customer-approved processor status.
- c. Yulista-approved processor status.

When required by the PO or contract, suppliers shall provide special process certifications or other objective evidence demonstrating compliance with applicable specifications and enhanced verification requirements.

QC-610: Supplier In-Process Inspection Reports

When in-process inspection is required by the applicable Purchase Order (PO), approved technical data, or referenced specifications, suppliers shall document interim inspection results using controlled forms, travelers, routers, or equivalent execution records.

In-process inspection records should be sufficient to demonstrate compliance with applicable requirements and should be retained as part of the product’s build history in accordance with QC-301 Documentation and Record Retention Requirements.

When required by the PO, completed in-process inspection reports shall accompany the shipment or be provided in the manner specified by the PO, consistent with QC-107 Documentation Requirements.

Quality Clauses (QC-701-QC-710)

Flight Hardware, Airworthiness-Sensitive Items, Stringent Controls

QC-701: Flight Hardware Requirements

When the applicable Purchase Order (PO), contract, or approved technical data identifies a product as flight hardware, suppliers shall implement enhanced quality controls appropriate to the criticality of the product and in accordance with applicable aerospace standards.

Flight hardware shall be manufactured, inspected, tested, handled, and packaged in accordance with the drawing, specification, and any additional requirements identified on the PO.

Suppliers shall maintain configuration control and traceability of materials, processes, inspections, and test results sufficient to demonstrate compliance with flight hardware requirements. Enhanced inspection, verification, or control methods—including 100% inspection, increased inspection frequency, Statistical Process Control (SPC), or other verification techniques—shall be applied only when required by the PO, drawing, specification, or approved technical data.

Applicability of enhanced requirements to specific supplier types, including Original Equipment Manufacturers (OEMs), is governed by Section 5.1 Applicability of Quality Clauses and the requirements identified on the PO.

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QC-702: Traceability for Flight and Mission-Critical Items

When the applicable Purchase Order (PO), contract, or approved technical data identifies a product as flight or mission-critical, suppliers shall maintain traceability sufficient to demonstrate compliance with applicable drawing, specification, and contractual requirements.

Traceability shall be maintained to the level specified by the PO or technical data and may include, as applicable:

- a. Raw material lot, heat, or batch identification
- b. Serial numbers or unique identifiers
- c. Special process lot or batch identification
- d. Inspection and test records
- e. Identification of sub-tier suppliers used in production

Traceability records shall provide objective evidence linking materials, processes, inspections, and assemblies to the delivered configuration and shall be retained in accordance with QC-301 Documentation and Record Retention Requirements.

QC-703: Enhanced FOD (Foreign Object Debris) Prevention for Flight Hardware

When specified by the applicable Purchase Order (PO), contract, or approved technical data, suppliers producing flight or mission-critical hardware shall implement enhanced Foreign Object Debris (FOD) prevention controls appropriate to the criticality of the product.

Enhanced FOD controls may include, as applicable and when required by the PO or contract:

- a. Documented FOD prevention procedures or programs.
- b. Defined work-area inspections and housekeeping practices.
- c. Tool control and accountability measures.
- d. Packaging and handling methods designed to prevent FOD intrusion.

When invoked by the PO or contract, enhanced FOD prevention requirements may reference recognized standards (e.g., AS9146) or equivalent methods appropriate to the supplier’s processes.

Evidence of FOD prevention activities shall be provided with the shipment or otherwise made available when required by the PO or contract.

QC-704: Electrostatic Discharge (ESD) and Moisture-Sensitive Device (MSD) Control for Electronic Hardware

Suppliers delivering electronic components or assemblies that include electrostatic discharge (ESD)-sensitive devices as part of flight or mission-critical hardware shall ensure such items are handled, stored, and packaged using ESD protective controls appropriate to the sensitivity of the device.

ESD-sensitive devices shall be packaged in ESD-protective packaging and clearly identified to prevent electrostatic damage during handling, storage, and transportation.

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When electronic components are identified as moisture-sensitive devices (MSD), suppliers shall comply with applicable MSD handling, labeling, and packaging requirements in accordance with manufacturer instructions or applicable industry standards. MSD-sensitive items shall be packaged and labeled to prevent moisture-related degradation.

ESD and MSD controls shall be implemented in accordance with applicable industry practices or standards (e.g., ANSI/ESD S20.20, JEDEC J-STD-033), to the extent required by the applicable Purchase Order (PO), contract, or approved technical data.

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QC-705: Functional Testing for Flight Hardware

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform functional testing of flight hardware using documented test procedures appropriate to the product and its intended operation

Functional test documentation shall include, as applicable:

- a. Serial number or unique item identifier.
- b. Test configuration or setup.
- c. Measured results.
- d. Acceptance criteria and pass/fail determination.

When specified by the PO or contract, functional test results shall be provided as objective evidence of compliance and shall accompany the shipment or be submitted in the manner specified by the PO, consistent with QC-608 Acceptance Test Procedures (ATP) and Reports.

QC-706: Destructive / Non-Destructive Testing for Flight Hardware

When destructive testing (DT) or non-destructive testing (NDT) is required by the applicable Purchase Order (PO), contract, drawing, or approved technical data for flight hardware, suppliers shall perform such testing using qualified personnel and approved procedures appropriate to the specified method.

When required by the PO, contract, or technical data, NDT personnel shall be qualified or certified to the applicable standard (e.g., NAS-410 or an equivalent qualification scheme), and DT/NDT procedures shall be current and approved for the intended application.

Records of DT and NDT activities shall be retained as quality records and, when specified by the PO or contract, shall be included in the certification package or otherwise provided as objective evidence of compliance.

QC-707: Controlled Manufacturing Environment Requirements

When required by the applicable Purchase Order (PO), contract, drawing, or approved technical data, suppliers shall manufacture, handle, and store flight hardware in a controlled environment that protects the product from contamination, corrosion, physical damage, or environmental degradation.

Environmental controls may include, as applicable and when specified by the PO or technical requirements, cleanliness controls, humidity control, temperature control, or other environmental conditions necessary to preserve product integrity and conformity.

QC-708: Advanced First Article Inspection (FAI) – Full AS9102 Package Required

When specified by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform a full First Article Inspection (FAI) in accordance with AS9102, including all required forms and supporting objective evidence.

QC-708 represents an elevated FAI requirement and applies only when explicitly invoked by the PO for high-risk, complex, flight-critical, or mission-critical hardware. QC-708 supplements, but

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does not replace, the requirements of QC-507 First Article Inspection (AS9102) and QC-607 Enhanced FAI Evidence, as applicable.

When invoked, the full AS9102 FAIR package shall include, as applicable:

- a. Ballooned drawing.
- b. Complete dimensional inspection results.
- c. Material and special process certifications when required by drawing or specification.
- d. Acceptance test procedures (ATP) results or test data.
- e. Serialization or unique item traceability.
- f. Configuration verification against approved technical data.

FAIR submission timing and approval requirements (e.g., pre-shipment review) shall be as specified by the PO or contract. FAIRs shall not be withheld from shipment unless the PO explicitly requires approval prior to delivery.

QC-709: Special Process Control for Flight Hardware

When specified by the applicable Purchase Order (PO), contract, or approved technical data, special processes used in the production of flight or mission-critical hardware shall be performed by processors that meet the qualification, approval, or accreditation requirements identified by the PO.

Such requirements may include, as applicable:

- a. NADCAP-accredited processors.
- b. Yulista-approved processors.
- c. Customer-approved processors.

When required by the PO or contract, suppliers shall provide special process certifications or other objective evidence demonstrating compliance with applicable specifications and flight hardware requirements.

QC-710: Airworthiness, Safety and Conformity Requirements

Suppliers delivering flight or mission-critical hardware shall ensure that all airworthiness-impacting characteristics, dimensions, features, and configurations comply with the applicable Purchase Order (PO), approved technical data, drawings, specifications, and contractual requirements.

Deviations that could affect airworthiness, safety, or conformity shall not be implemented without explicit written authorization when required, including approval through a Supplier Deviation Request (SDR), as specified by the PO or contract.

When required by the PO or contract, suppliers shall provide additional objective evidence demonstrating airworthiness, safety, or conformity. Such documentation may include, as applicable:

- a. Airworthiness or flight release documentation.

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- b. Conformity or acceptance tags.
- c. Export control or regulatory compliance statements.
- d. Safety certifications or equivalent approvals.

Quality Clauses (QC-801-QC-810)

Government Specific Quality Clauses

QC-801: Compliance with Federal Acquisition Regulations (FAR) and Defense FAR Supplement (DFARS)

Suppliers shall comply with all applicable Federal Acquisition Regulation (FAR) and Defense Federal Acquisition Regulation Supplement (DFARS) clauses identified on the applicable Purchase Order (PO) or flowed down through an applicable government contract.

Suppliers are responsible for reviewing and understanding the FAR and DFARS clauses identified on the PO and for ensuring compliance with requirements that may govern, as applicable, material traceability, inspection, documentation, technical data rights, sourcing restrictions, export control, and other contractual obligations.

When FAR or DFARS clauses require certifications, documentation, markings, or other compliance evidence, suppliers shall ensure such evidence is provided in accordance with the PO or contract and shall accompany the shipment unless otherwise directed by the PO or Purchasing Representative, consistent with QC-107 Documentation Requirements.

QC-802: Defense Priorities and Allocations System (DPAS)

When a Purchase Order (PO) is issued with a Defense Priorities and Allocations System (DPAS) rating (DO or DX), suppliers shall comply with all applicable requirements of 15 CFR Part 700, including but not limited to the following:

- a. Accepting or rejecting the rated order within the timeframes specified by regulation.
- b. Prioritizing performance of the rated order over non-rated or lower-rated work.
- c. Flowing down the applicable DPAS rating to sub-tier suppliers when required.

Maintaining records of DPAS-related actions, acknowledgments, and communications for a minimum of three (3) years

Failure to comply with DPAS requirements may result in contractual remedies, regulatory action, or other consequences as permitted by applicable law and the terms of the PO or contract.

QC-803: Compliance with ITAR / EAR Export Control Requirements

When a Purchase Order (PO) or applicable contract includes items, technical data, or services subject to export control regulations, suppliers shall comply with all applicable requirements of:

- a. International Traffic in Arms Regulations (ITAR), 22 CFR Parts 120–130.
- b. Export Administration Regulations (EAR), 15 CFR Parts 730–774.

When export-controlled items or technical data are identified by the PO or contract, suppliers shall ensure that:

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- a. Controlled technical data and items are protected from unauthorized access or disclosure.
- b. Access to ITAR-controlled items or data is restricted to authorized people, unless appropriate licenses or approvals are obtained.
- c. No export, transfer, release, or disclosure occurs without required authorization or licensing.

If a supplier is unable to accept or perform export-controlled work due to licensing, authorization, or compliance limitations, the supplier shall notify the Yulista Purchasing Representative immediately.

QC-804: Government Industry Data Exchange Program (GIDEP) Monitoring and Reporting

When required by the applicable Purchase Order (PO), contract, or regulatory flow-down, suppliers shall participate in Government-Industry Data Exchange Program (GIDEP) monitoring and review applicable GIDEP Alerts, Problem Advisories, and Safe-Alerts.

If a GIDEP notice affects materials, components, processes, or products used or delivered under a PO, suppliers shall promptly notify Yulista and provide sufficient information to support impact assessment.

When required by the PO, contract, or regulatory authority, suppliers shall take appropriate actions, which may include:

- a. Suspending affected work or production activities.
- b. Segregating or quarantining impacted materials or products.
- c. Supporting investigation, disposition, or corrective actions.

Written notification of applicable GIDEP impacts shall be provided to the Yulista supplier quality point of contact identified on the PO.

QC-805: Government Source Inspection (GSI)

When Government Source Inspection (GSI) is required, the applicable Purchase Order (PO) will specify that source inspection is required.

Suppliers shall coordinate source inspection with the cognizant Defense Contract Management Agency (DCMA) or other authorized government representative in accordance with the requirements identified on the PO, contract, or as directed by the inspecting authority.

When GSI is invoked, suppliers shall:

- a. Notify the designated government inspection authority in accordance with PO or contract requirements.
- b. Ensure applicable records, work instructions, inspection results, and the product are available for inspection.
- c. Hold shipment until authorization or release is granted by the government inspection authority.

Suppliers shall not bypass, waive, or ship product subject to GSI without the required government authorization.

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QC-806: Packaging and Marking Requirements for Government Deliveries

When government or customer-specific packaging and marking requirements are specified by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall comply with the identified standards and instructions.

Applicable requirements may include, as specified on the PO or contract:

- a. Military packaging standards (e.g., MIL-STD-2073).
- b. Military marking standards (e.g., MIL-STD-129).
- c. Commercial packaging standards (e.g., ASTM D3951).
- d. Agency-specific packaging or marking requirements (e.g., NASA, DOE, USAF, USN).

Suppliers shall ensure that packaging provides adequate protection against damage, contamination, corrosion, or degradation during transportation, handling, and any required storage period.

Markings shall be clear, legible, durable, and applied in accordance with the applicable standard or PO requirements.

QC-807: Shelf-Life and Limited Life Item Requirements

When items delivered under a Purchase Order (PO) have shelf-life or limited-life attributes, suppliers shall ensure compliance with applicable shelf-life requirements specified by the PO, contract, or approved technical data.

Unless otherwise specified by the PO or contract, items with shelf-life or limited-life attributes shall be delivered with a minimum of fifty percent (50%) of shelf life remaining at the time of delivery.

When required by the PO, drawing, or specification:

- a. Shelf-life or expiration markings shall be applied in accordance with the applicable marking standard (e.g., MIL-STD-129 or a commercial equivalent).
- b. Material certifications or accompanying documentation shall include expiration date, cure date (when applicable), batch or lot number, and any required storage or handling requirements.

If a supplier is unable to meet the required shelf-life or limited-life criteria specified on the PO, the supplier shall submit a Supplier Deviation Request (SDR) and obtain approval prior to acceptance of the PO or shipment, as applicable.

QC-808: Raw Material Certification and Specialty Metals Compliance

When required by the applicable Purchase Order (PO), contract, or regulatory flow-down, suppliers shall comply with Defense Federal Acquisition Regulation Supplement (DFARS) requirements related to specialty metals and domestic material sourcing.

When DFARS specialty metal requirements are invoked by the PO or contract, suppliers shall provide raw material certifications or Material Test Reports (MTRs) sufficient to demonstrate compliance with applicable DFARS clauses and material requirements. Such documentation may include, as applicable:

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- a. Chemical and physical properties.
- b. Melt source and country of origin.
- c. Identification of applicable DFARS compliance.

Materials requiring DFARS specialty metal compliance shall not be delivered without the required traceability or material certification specified by the PO or contract.

QC-809: Government Property and Custody Reports

When Government-Furnished Property (GFP) or Contractor-Acquired Property (CAP) is provided under the applicable Purchase Order (PO) or contract, suppliers shall establish controls to track, protect, and account for such property in accordance with applicable contractual and regulatory requirements.

Suppliers shall promptly report any loss, theft, damage, or destruction of government property in accordance with the instructions specified by the PO, contract, or cognizant property administrator.

When applicable, suppliers shall comply with relevant requirements of FAR Part 45 and DFARS Part 245, as flowed down by the PO or contract.

Unused or excess GFP or CAP shall be returned, transferred, or otherwise disposed in accordance with PO or contract instructions.

QC-810: Access for Government Representatives

When authorized by the applicable Purchase Order (PO), contract, or regulatory requirement, suppliers shall allow access to facilities, records, personnel, and products for authorized U.S. Government representatives.

Such access may include audits, inspections, reviews, source inspections, surveillance, or process evaluations, as specified by the PO, contract, or governing regulatory authority.

Government access shall be coordinated in accordance with the PO or contract and conducted in a manner that supports verification of contractual, quality, safety, and regulatory compliance.

Quality Clauses (QC-901-QC-910)

Circuit Card Assemblies (CCA), Printed Circuit Boards (PCB), Documentation, and High Reliability Electronics

QC-901: Design Control and Technical Data Packages (TDP)

Suppliers providing circuit card assemblies (CCAs), printed circuit boards (PCBs), or other engineered items shall establish controlled methods for the review, storage, access, and use of technical data required to perform the work.

Technical data may include, as applicable, drawings, schematics, bills of material (BOMs), Gerber files, netlists, specifications, and related design or manufacturing documentation provided by or authorized for use under the applicable Purchase Order (PO).

Suppliers shall ensure that:

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- a. Only the correct and current revision of authorized technical data is used.
- b. Design changes, redlines, deviations, or clarifications are implemented only when approved in writing, as required by the PO or when Yulista is the design authority.
- c. Any detected error, omission, or ambiguity in the technical data package is promptly reported to the Yulista Purchasing Representative for resolution prior to use.

This clause governs control and use of technical data during execution and does not alter design authority or ownership of the technical data unless otherwise specified by contract.

QC-902: Training Requirements for Electronic Assembly Personnel

Supplier personnel performing soldering, inspection, wiring, cable assembly, or circuit card assembly (CCA) operations shall be trained, qualified, and deemed competent to perform the specific tasks assigned.

When required by the applicable Purchase Order (PO), approved technical data, or referenced workmanship standards, training and competencies shall be based on recognized industry standards, which may include, as applicable:

- a. IPC J-STD-001 – Requirements for Soldered Electrical and Electronic Assemblies.
- b. IPC-A-610 – Acceptability of Electronic Assemblies.
- c. IPC/WHMA-A-620 – Requirements and Acceptance for Cable and Wire Harness Assemblies.
- d. IPC-A-600 – Acceptability of Printed Circuit Boards (when inspection or acceptance of bare boards is performed).

Suppliers shall maintain documented evidence of training, qualification, or competency appropriate to the tasks performed and shall make such records available upon request when required by the PO, contract, or regulatory authority.

QC-903: Calibration Control for Test and Measurement Equipment

Suppliers should maintain a documented calibration system to ensure that inspection, testing, measurement, and verification equipment used to demonstrate product or service conformity is appropriately controlled.

The calibration system shall ensure, as applicable:

- a. Equipment is calibrated at defined intervals.
- b. Calibration is traceable to national or international measurement standards.
- c. Equipment is maintained within acceptable tolerances.
- d. Calibration status is clearly identified.

When an out-of-tolerance condition is identified, suppliers shall evaluate the potential impact on previously inspected or tested product. If previously delivered product may be affected, the supplier shall notify Yulista promptly and support any required investigation or corrective action in accordance with applicable contractual requirements.

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Calibration control requirements in this clause supplement the baseline requirements of QC-502 Calibration System Requirements and, when applicable, the enhanced metrology requirements of QC-602.

QC-903: Inspection and Test Requirements

Suppliers shall perform inspection and test activities for circuit card assemblies (CCAs), printed circuit board (PCB) assemblies, and electronic components appropriate to the intended use, reliability requirements, and applicable Purchase Order (PO), approved technical data, and referenced specifications.

When required by the PO, drawing, or workmanship standard, inspection activities may include visual inspection, automated inspection, electrical testing, functional testing, or other verification methods in accordance with applicable IPC or contract-specified standards.

Suppliers shall:

- a. Perform inspection and test activities to the extent required by the PO or technical data.
- b. Record inspection and test results and retain them as part of the product record in accordance with QC-301 Documentation and Record Retention Requirements.
- c. Provide inspection or test reports when required by the PO.

When Acceptance Test Procedures (ATP) are required by the PO or contract, such procedures should be:

- a. Documented.
- b. Revision-controlled.
- c. Provided to Yulista upon request or submitted as specified by the PO, consistent with QC-608 Acceptance Test Procedures and Reports.

QC-905: Traceability for Electronic Assemblies

Suppliers shall maintain traceability for circuit card assemblies (CCAs) and printed circuit board (PCB) assemblies to the extent required by the applicable Purchase Order (PO), approved technical data, drawing, or referenced specifications.

Traceability shall be sufficient to allow reconstruction of materials, processes, inspections, tests, and any rework or repair activities associated with the delivered assembly and may include, as applicable:

- a. Lot, batch, or serial identification.
- b. Manufacturer name.
- c. Part number and revision.
- d. Date code, when applicable.
- e. Process travelers, routers, or equivalent execution records.
- f. Rework and repair documentation.

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Traceability records shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-906: First Part Inspection

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers should produce a first part for dimensional and/or functional verification prior to continuing with production.

When FPI is invoked, suppliers shall:

- a. Notify Yulista using the supplier quality contact identified on the PO when the first part is ready for inspection.
- b. Coordinate inspection scheduling in accordance with the PO or contract requirements.
- c. Hold further production until approval or release is granted, when required by the PO or contract.

First Part Inspection may be performed at the supplier’s facility or at Yulista Receiving Inspection, as specified by the PO or contract.

QC-906 First Part Inspection requirements are separate from, and do not replace, First Article Inspection (FAI) requirements defined in QC-507 and QC-708, when AS9102 is applicable.

QC-907: First Article Inspection Report (FAI)

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform a First Article Inspection (FAI) and generate a First Article Inspection Report (FAIR) in accordance with AS9102.

FAI may be required for conditions including, but not limited to, those specified by the PO or technical data, such as:

- a. Initial production of an item for Yulista.
- b. A lapse in production requiring requalification, as defined by contract or AS9102.
- c. Introduction of a new drawing or specification revision affecting form, fit, or function.
- d. Change in manufacturing location, source, or process.
- e. Explicit requirement identified on the PO.

Suppliers shall use the AS9102 standard forms, or an equivalent format approved by Yulista, as specified by the PO or contract.

When required by the PO or contract, the completed FAIR shall accompany the shipment or be submitted for review or approval prior to shipment, as specified.

QC-907 First Article Inspection Report requirements support and align with QC-507 First Article Inspection (AS9102) and QC-708 Advanced First Article Inspection, and do not establish independent FAI requirements outside those clauses.

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QC-908: Special Process Requirements for Electronic Assemblies

Special processes are operations where conformity cannot be fully verified by subsequent inspection or testing. For electronic assemblies, special processes may include, as applicable:

- a. Soldering.
- b. Conformal coating.
- c. Potting or encapsulation.
- d. Plating.
- e. Heat curing.
- f. Thermal bonding.
- g. Wave solder or reflow processes.

When special processes are required by the applicable Purchase Order (PO), approved technical data, or referenced specifications, suppliers shall:

Use approved and controlled procedures appropriate to the process

Ensure personnel performing special processes are trained, qualified, or certified as required by the PO or applicable standard

Maintain appropriate equipment calibration, process controls, and monitoring

Retain associated quality records in accordance with QC-301 Documentation and Record Retention Requirements

When special processes are outsourced, certifications or objective evidence shall originate from the performing subcontractor and demonstrate compliance with the applicable process requirements specified by the PO, drawing, or specification.

QC-909: Electronic Component Requirements

Suppliers shall ensure that electronic components used in delivered products are procured from authorized sources and are traceable to the Original Component Manufacturer (OCM), to the extent required by the applicable Purchase Order (PO), approved technical data, or referenced specifications.

Electronic components shall be accompanied by a valid Certificate of Conformance in accordance with QC-109 Certificate of Conformance Requirements and shall be handled, stored, and packaged using electrostatic discharge (ESD) protective controls appropriate to the sensitivity of the component.

When electronic components are procured from independent distributors or brokers, additional verification or testing may be required when specified by the PO or contract. Such testing may include, as applicable:

- a. Counterfeit inspection in accordance with AS6081 or equivalent methods.
- b. Electrical or functional testing.
- c. Material analysis (e.g., XRF, decapsulation) when required.

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When lead-free components are proposed for use in applications requiring leaded components, suppliers shall submit a Supplier Deviation Request (SDR) and obtain approval prior to acceptance of the PO or shipment, as applicable.

QC-910: Functional Test Requirements for CCAs

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform functional testing of circuit card assemblies (CCAs) to demonstrate compliance with specified performance and reliability requirements.

When functional testing is invoked, suppliers shall:

- a. Provide functional test reports or results in accordance with the PO or contract
- b. Document applicable software versions, firmware loads, configuration settings, or test setups used during testing
- c. Identify and document any failures, rework, and subsequent retest activities

Use test equipment that is calibrated and traceable to national or international measurement standards, in accordance with QC-502 Calibration System Requirements

When required by the PO, drawing, or workmanship standard, inspection and acceptance criteria may reference applicable IPC standards (e.g., IPC-A-610, IPC J-STD-001) and class requirements appropriate to the intended use.

Functional testing and workmanship requirements defined in this clause support mission-critical or high-reliability applications only when such requirements are specified by the PO or technical data, and do not impose universal testing or class requirements.

Quality Clauses (QC-1000-QC-1600)

Special Process Quality Clauses

Special processes are operations where the conformity of the result cannot be fully verified after processing. These processes rely heavily on controlled procedures, trained personnel, and validated equipment. Because of this, Yulista requires suppliers—OEMs and non-OEMs—to demonstrate strict adherence to process controls, documentation, and certification practices.

QC-1000 Series: Welding

QC-1001 Training Requirements for Welding Personnel

When welding services are required by the applicable Purchase Order (PO), contract, drawing, or approved technical data, suppliers shall ensure that welders, inspectors, and operators performing welding activities are trained, qualified, and competent for the specific welding processes they perform.

When required by the PO, contract, or referenced standards, welding personnel qualification or certification shall be based on applicable industry or regulatory standards, which may include, as applicable:

- a. AWS D1.1, D1.2, or D17.1.
- b. ASME Section IX for pressure-related or heat-affected applications.

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- c. NADCAP welding requirements, when explicitly invoked.

Suppliers shall maintain documented evidence of training, qualification, or certification appropriate to the welding process and application, and shall make such records available to Yulista upon request when required by the PO, contract, or regulatory authority.

QC-1001 Calibration Control for Welding and Inspection Equipment

Suppliers shall maintain calibration and verification controls for tools, equipment, and measurement devices used in welding qualification, welding operations, and inspection activities (e.g., ammeters, voltmeters, temperature indicators, gauges), as applicable to the work being performed.

Calibration systems shall ensure that such equipment:

- a. Is calibrated or verified at defined intervals.
- b. Is traceable to national or international measurement standards.
- c. Has clearly identified calibration status.
- d. Is prevented from use when found to be out of tolerance.

When an out-of-tolerance condition is identified, suppliers shall evaluate the potential impact on previously inspected, welded, or delivered product. If delivered product may be affected, the supplier shall notify Yulista promptly and support any required investigation or corrective action in accordance with applicable Purchase Order (PO) or contract requirements.

Calibration controls defined in this clause supplement the requirements of QC-502 Calibration System Requirements and QC-903 Calibration Control for Test and Measurement Equipment.

QC-1003 Traceability for Welded Materials and Processes

Suppliers shall maintain traceability for welding materials, consumables, procedures, personnel, inspections, and rework activities to the extent required by the applicable Purchase Order (PO), contract, drawing, or referenced welding code or specification.

Traceability shall be sufficient to demonstrate compliance with applicable requirements and to allow reconstruction of the welding sequence and conditions for each delivered part, as required. Traceability records may include, as applicable:

- a. Heat numbers, batch numbers, and filler metal certifications.
- b. Weld Procedure Specifications (WPS) and Procedure Qualification Records (PQR), when required.
- c. Welder or operator qualification identifiers.
- d. Inspection records, Non-Destructive Testing (NDT) records, and rework or repair documentation.

Welding traceability records shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

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QC-1004 Inspection & Testing for Welded Products

When required by the applicable Purchase Order (PO), contract, drawing, or referenced welding code or specification, suppliers shall perform final inspection and testing of welded products to verify compliance with applicable requirements.

Final weld inspection and testing may include, as applicable:

- a. Verification of compliance with approved Weld Procedure Specifications (WPS).
- b. Visual inspection for acceptance in accordance with applicable AWS, ASME, or industry criteria.
- c. Dimensional verification against drawing or specification requirements.
- d. Non-Destructive Testing (NDT) results, when required by the PO, drawing, or specification.

Inspection plans, Acceptance Test Procedures (ATP), or equivalent verification documents shall be documented, maintained under revision control, and retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements, as applicable.

QC-1005 First Part Inspection

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform a First Part Inspection (FPI) of welded products prior to continuing production.

When FPI is invoked, suppliers shall:

- a. Notify Yulista using the supplier quality contact identified on the PO when the first welded part is ready for inspection.
- b. Coordinate inspection scheduling in accordance with the PO or contract requirements.
- c. Provide access to applicable weld procedures, personnel qualifications or certifications, material and filler traceability, and inspection or test records relevant to the first part.

First Part Inspection requirements in this clause apply to welding verification activities and do not replace First Article Inspection (FAI) requirements defined in QC-507, QC-708, or QC-907, when AS9102 is applicable.

QC-1006 Source Inspection Requirements

When source inspection is required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall request source inspection using YF-QC-45 in accordance with PO or contract instructions.

When source inspection is invoked, suppliers shall ensure access to applicable facilities, personnel, welded products, and relevant welding documentation, including procedures, qualifications, inspection records, and traceability information necessary to support the inspection.

Source inspection requirements, scope, timing, and approval authority shall be as specified by the PO, contract, or authorized inspection authority.

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QC-1007 Special Process Requirements for Welding

When welding is required by the applicable Purchase Order (PO), contract, drawing, or referenced welding code or specification, suppliers shall maintain documented controls appropriate to the welding processes performed.

Such controls should be addressed, as applicable and when required:

- a. Procedure qualification (e.g., WPS/PQR).
- b. Operator or welder qualification.
- c. Process validation and monitoring are appropriate to the application.
- d. Equipment condition, maintenance, and calibration.
- e. Rework or repair procedures.
- f. Documentation and record retention.

When welding is performed by subcontractors, the supplier remains responsible for ensuring that subcontractors meet the applicable welding requirements specified by the PO, contract, drawing, or referenced standard, and that objective evidence of compliance is available as required.

Welding records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1100 Series: Heat Treatment

QC-1101 Training for Heat-Treat Personnel

When heat treatment or metallurgical processing is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall ensure that personnel performing such activities are trained, qualified, and competent for the specific processes and equipment they operate.

Training shall address, as applicable to the work being performed:

- a. Operation and control of oven, furnaces, quench systems, and related equipment.
- b. Applicable metallurgical acceptance criteria and process requirements.
- c. Safety practices and proper handling of materials.

Suppliers shall maintain documented evidence of training, qualification, or competency appropriate to the heat-treat processes performed and shall make such records available upon request when required by the PO, contract, or regulatory authority.

Training records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1102 Calibration Control for Heat-Treat Equipment

When heat treatment is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain calibration and control of heat-treat equipment sufficient to demonstrate compliance with applicable requirements.

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Equipment control and calibration activities shall include, as applicable and when required:

- a. Temperature Uniformity Surveys (TUS).
- b. System Accuracy Tests (SAT).
- c. Thermocouple calibration and certification.

When specified by the PO, contract, or technical data, calibration and control activities shall comply with AMS 2750 or other applicable heat-treat specifications approved for use. When AMS 2750 is not specified, suppliers shall comply with the applicable OEM, customer, or contract-approved heat-treat control requirements.

Records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1103 Traceability for Heat-Treated Materials

When heat treatment is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain traceability for heat-treated materials sufficient to demonstrate compliance with applicable requirements and to correlate heat-treat processing to the delivered product.

Traceability should be maintained to the extent required by the PO or technical data and may include, as applicable:

- a. Furnace load records or load maps.
- b. Material lot, heat, or batch identification.
- c. Material certifications.
- d. Time-at-temperature or process cycle records.
- e. Identification of operators and heat-treat equipment used.

Traceability records shall provide objective evidence linking the heat-treat process to the delivered product and shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1104 Heat-Treat Inspection & Test Requirements

When heat treatment is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall perform inspection and testing activities sufficient to verify that heat-treated materials conform to applicable requirements.

Inspection and test activities may include, as applicable and when required:

- a. Hardness testing.
- b. Microstructure verification, when specified by the PO, drawing, or specification.
- c. Dimensional verification following heat-treat processing.
- d. Documentation of any deviations, reheat cycles, retests, or corrective actions.

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Inspection and test records generated under this clause shall provide objective evidence of conformity and shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1105 First Part Inspection

When required by the applicable purchase order (po), contract, or approved technical data, suppliers shall submit a first heat-treated item for inspection and verification prior to continuing production.

First part verification may include, as applicable and when required by the po or specification:

- a. Review of heat-treat certification and processing records.
- b. Verification of harness, microstructure, or dimensional requirements.
- c. Confirmation of compliance with applicable heat-treat specifications.

Suppliers shall coordinate first part inspection activities in accordance with the po or contract requirements and shall hold further production until release is granted, when required.

First part inspection records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1106 Source Inspection

When source inspection is required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall support source inspection activities associated with heat-treat processing.

When source inspection is invoked, suppliers shall:

- a. Coordinate inspection requests in accordance with PO or contract instructions.
- b. Provide access to applicable facilities, heat-treat equipment, personnel, records, and heat-treat documentation necessary to support inspection.
- c. Hold processing or shipment until release or authorization is granted, when required by the PO or contract.

Source inspection requirements, scope, timing, and approval authority shall be as specified by the PO, contract, or authorized inspection authority.

QC-1107 Special Process Controls

Heat treatment is considered a special process because conformity cannot be fully verified by subsequent inspection or testing alone.

When heat-treat processing is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall establish and maintain special process controls appropriate to the heat-treat operations performed.

Such controls shall address, as applicable and when required:

- a. Documented and approved heat-treat process procedures.
- b. Equipment capability, qualification, and performance records.

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- c. Operator or personnel qualification appropriate to the heat-treat process.
- d. Systems for monitoring, controlling, and recording critical process parameters.

Records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1200 Series: Non-Destructive Testing (NDT)

QC-1201 Training Requirements for NDT Personnel

When Non-Destructive Testing (NDT) is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall ensure that personnel performing NDT are trained, qualified, and competent in accordance with the applicable qualification standard.

NDT personnel qualification shall be based on the standard specified by the PO, contract, or technical data, which may include, as applicable:

- a. NAS-410, or
- b. ASNT SNT-TC-1A, when permitted by contract or specification.

When required by the applicable standard or PO, Level II or Level III personnel performing interpretation or acceptance of NDT results shall hold current and valid certifications appropriate to the NDT method being used.

Suppliers shall maintain documented evidence of NDT personnel training, qualification, or certification and shall make such records available upon request when required by the PO, contract, or regulatory authority.

QC-1202 Calibration Program for NDT Equipment

When Non-Destructive Testing (NDT) is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain calibration and verification controls for NDT equipment and associated standards used to perform and verify NDT results.

Calibration and verification controls shall apply, as applicable, to:

- a. Ultrasonic Testing (UT), Penetrant Testing (PT), Magnetic Particle Testing (MT), Radiographic Testing (RT), and Eddy Current Testing (ET) equipment.
- b. Reference blocks, calibration standards, and test specimens.
- c. Supporting measurement devices such as light meters, timers, gauges, and indicators.

Calibration shall be traceable to national or international measurement standards and shall be documented and controlled in accordance with the supplier's calibration system.

When an out-of-tolerance condition is identified, suppliers shall evaluate the potential impact on previously inspected or accepted products and notify Yulista when delivered product may be affected, in accordance with applicable PO or contract requirements.

Calibration controls defined in this clause supplement the requirements of QC-502 Calibration System Requirements and QC-903 Calibration Control for Test and Measurement Equipment.

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QC-1203 Traceability Requirements

When Non-Destructive Testing (NDT) is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain traceability sufficient to demonstrate compliance with applicable NDT requirements and to correlate inspection results to the delivered product.

Traceability shall be maintained to the extent required by the PO or technical data and may include, as applicable:

- a. NDT inspection results or reports.
- b. Identification of NDT personnel and applicable qualification or certification.
- c. Identification of NDT equipment and calibration status.
- d. Identification of the NDT procedure or technique used.
- e. Lot, batch, heat, or serial identification of the inspected item.

Traceability records shall provide objective evidence linking NDT activities to the delivered product and shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1204 NDT Inspection & Test Requirements

When Non-Destructive Testing (NDT) is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall perform NDT in accordance with approved procedures appropriate to the specified method.

NDT procedures shall, as applicable and when required by the PO or technical data:

- a. Match the NDT method specified on the PO, drawing, or specification.
- b. Identify applicable acceptance or rejection criteria.
- c. Define reporting requirements appropriate to the method.

NDT reports shall be complete to the extent required by the PO or specification and may include, as applicable:

- a. Indications or results.
- b. Images, radiographs, or film(s).
- c. Acceptance or rejection disposition.

NDT inspection and test records shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1205 First Part NDT Inspection

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform a First Part NDT Inspection to verify proper execution of the specified NDT method prior to continuing production.

First Part NDT Inspection may also be required when a supplier performs a specific NDT method for the first time on a Yulista program, as identified by the PO or contract.

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When invoked, First Part NDT Inspection shall verify, as applicable:

- a. Use of the correct NDT method and procedure.
- b. Proper application of acceptance criteria.
- c. Qualification of NDT personnel.
- d. Suitability and calibration status of NDT equipment.
- e. Adequacy of NDT reporting.

Suppliers shall coordinate First Part NDT Inspection activities in accordance with the PO or contract requirements and shall hold further processing or delivery only when required by the PO or contract.

Records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1206 Source Inspection

When source inspection is required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall support source inspection activities associated with Non-Destructive Testing (NDT).

When source inspection is invoked, suppliers shall:

- a. Coordinate inspection requests in accordance with PO or contract instructions.
- b. Provide access to applicable facilities, NDT equipment, personnel, procedures, records, and NDT results necessary to support inspection.
- c. Hold processing or shipment until release or authorization is granted, when required by the PO or contract.

Source inspection scope, timing, and approval authority shall be as specified by the PO, contract, or authorized inspection authority.

QC-1207 Special Process Controls for NDT

When Non-Destructive Testing (NDT) is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain special process controls appropriate to the NDT methods performed.

Such controls shall address, as applicable and when required:

- a. Written and approved NDT procedures.
- b. Process control and inspection records.
- c. Technique sheets applicable to the NDT method used.
- d. Control of consumables (e.g., penetrant, developer, emulsifier), including identification and shelf-life where applicable.
- e. Verification of correct lighting levels, equipment functionality, and environmental conditions required for the NDT method.

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Records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1300 Series: General Testing

This series applies to suppliers performing mechanical testing, environmental testing, axial load testing, vibration, thermal cycling, or electrical characterization.

QC-1301 Training Requirements

When testing activities are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall ensure that personnel performing testing are trained, qualified, and competent for the specific test methods and equipment used.

Training shall address, as applicable:

- a. Relevant test methods and procedures.
- b. Setup, operation, and verification of test equipment.
- c. Applicable safety procedures and precautions.

Suppliers shall maintain documented evidence of training, qualification, or competency appropriate to the testing performed and shall make such records available upon request when required by the PO, contract, or regulatory authority.

Training records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1302 Calibration Control

When testing activities are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain calibration and verification controls for test equipment used to perform or verify testing.

Test equipment subject to this clause may include, as applicable:

- a. Load frames.
- b. Electrical analyzers.
- c. Vibration tables.
- d. Environmental chambers.

Calibration and verification controls shall ensure that such equipment:

- a. Is calibrated or verified at defined intervals.
- b. Is traceable to national or international measurement standards.
- c. Is maintained within acceptable tolerances.
- d. Has clearly identified calibration or verification status.

When an out-of-tolerance condition is identified, suppliers shall evaluate the potential impact on previously tested or delivered product and notify Yulista when delivered product may be affected, in accordance with applicable PO or contract requirements.

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Calibration records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1303 Traceability for Test Records

When testing is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain traceability for test records sufficient to demonstrate compliance with applicable requirements and to correlate test results to the delivered product.

Traceability shall be maintained to the extent required by the PO or technical data and may include, as applicable:

- a. Part, lot, batch, or serial identification.
- b. Test conditions or configurations.
- c. Identification of the test operator or technician.
- d. Identification and calibration status of test equipment used.

Test records shall provide objective evidence linking test activities to the delivered product and shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1304 Inspection & Test Documentation

When inspection or testing is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall record, analyze, and retain inspection and test results sufficient to demonstrate compliance with applicable requirements.

Inspection and test reports shall be documented to the extent required by the PO or technical data and may include, as applicable:

- a. Test or inspection setup conditions.
- b. Acceptance or rejection criteria.
- c. Actual inspection or test data and results.
- d. Identification and documentation of any deviations or anomalies.

Inspection and test documentation shall be traceable to the applicable product in accordance with QC-1303 Traceability for Test Records and shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1305 First Part Testing

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform First Part Testing to verify that test methods, equipment, setup, and acceptance criteria are capable of producing valid and compliant test results prior to continuing production or testing activities.

First Part Testing may include, as applicable and when required by the PO:

- a. Verification of test setup and conditions.
- b. Confirmation of acceptance criteria and test method execution.

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- c. Validation of test equipment configuration and calibration status.
- d. Review of initial test results for conformity.

Suppliers shall coordinate First Part Testing activities in accordance with PO or contract requirements and shall hold further testing or delivery only when required by the PO or contract.

Records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1306 Source Inspection

When source inspection is required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall support source inspection activities associated with testing operations.

When source inspection is invoked, suppliers shall:

- a. Coordinate inspection requests in accordance with PO or contract instructions.
- b. Provide access to applicable facilities, test equipment, personnel, procedures, records, and test results necessary to support inspection.
- c. Hold testing, processing, or shipment until release or authorization is granted, when required by the PO or contract.

Source inspection scope, timing, and approval authority shall be as specified by the PO, contract, or authorized inspection authority.

QC-1307 Special Process Controls

When special processes are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall establish and maintain special process controls appropriate to the processes performed.

Such controls shall address, as applicable and when required:

- a. Documented and approved procedures.
- b. Monitoring and control of environmental conditions that may affect process outcomes.
- c. Management and control of consumables, including identification and shelf-life where applicable.
- d. Documented equipment qualification, validation, or capability appropriate to the process.

Records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1400 Series: Paint, Primer & Coatings

QC-1401 Training Requirements

When coating, painting, or surface finishing operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall ensure that personnel performing such activities are trained, qualified, and competent for the specific coating processes and equipment used.

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Training shall address, as applicable and when required:

- a. Surface preparation methods and acceptance criteria.
- b. Mixing, handling, and application of coating materials.
- c. Applicable military or industry coating systems (e.g., MIL-SPEC paint systems, CARC), when specified.
- d. Operation, setup, and control of spray, curing, and related application equipment.

Suppliers shall maintain documented evidence of training, qualification, or competency appropriate to the coating processes performed and shall make such records available upon request when required by the PO, contract, or regulatory authority.

Training records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1402 Calibration Control

When coating or surface finishing operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain calibration and verification controls for equipment used to monitor or verify coating processes.

Equipment subject to this clause may include, as applicable:

- a. Pressure gauges.
- b. Coating thickness measurement devices.
- c. Temperature and humidity sensors.

Calibration and verification controls shall ensure that such equipment:

- a. Is maintained within acceptable tolerances.
- b. Has clearly identified calibration or verification status.
- c. Is traceable to national or international measurement standards, as applicable.

When an out-of-tolerance condition is identified, suppliers shall evaluate the potential impact on previously processed or delivered product and notify Yulista when delivered product may be affected, in accordance with applicable PO or contract requirements.

Calibration records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1403 Traceability

When coating, painting, or surface finishing operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain traceability sufficient to demonstrate compliance with applicable coating requirements and to correlate processing to the delivered product.

Traceability shall be maintained to the extent required by the PO or technical data and may include, as applicable:

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- a. Coating material batch or lot identification.
- b. Shelf-life or expiration validation of coating materials, when applicable.
- c. Mix ratios and preparation records.
- d. Cure cycles, bake times, or processing conditions.

Traceability records shall provide objective evidence linking coating processes to the delivered product and shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1404 Inspection & Testing

When coating, painting, or surface finishing operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall perform inspection and testing activities sufficient to verify conformity with applicable coating requirements.

Inspection and testing may include, as applicable and when required by the PO or specification:

- a. Coating thickness verification (e.g., peak, average, or minimum thickness, as specified).
- b. Adhesion, hardness, or other mechanical property testing, when specified.
- c. Color, gloss, or visual appearance verification.

Inspection and test results shall be documented to the extent required by the PO or technical data and shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1405 First Part Inspection

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform a First Part Inspection (FPI) for coating, painting, or surface finishing operations prior to continuing production.

First part inspection may include, as applicable and when required by the PO or specification:

- a. Verification of surface preparation and coating application procedures.
- b. Confirmation of coating thickness, cure, adhesion, color, or appearance requirements.
- c. Review of applicable coating material certifications and process records.

Suppliers shall coordinate first part inspection activities in accordance with the PO or contract requirements and shall hold further processing or delivery only when required by the PO or contract.

Records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1406 Source Inspection

When source inspection is required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall support source inspection activities associated with coating, painting, or surface finishing operations.

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When source inspection is invoked, suppliers shall:

- a. Coordinate inspection requests in accordance with PO or contract instructions.
- b. Provide access to applicable facilities, coating equipment, personnel, procedures, records, and inspection results necessary to support inspection.
- c. Hold processing or delivery until release or authorization is granted, when required by the PO or contract.

Source inspection scope, timing, and approval authority shall be as specified by the PO, contract, or authorized inspection authority.

QC-1407 Paint, Primer & Coatings Requirements (MIL-SPEC)

When military-specification (MIL-SPEC) paint, primer, or coating systems are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall use materials and processes that comply with the specified requirements.

When invoked by the PO or technical data, such requirements may include, as applicable:

- a. Use of Qualified Products Database (QPD)-approved manufacturers or products.
- b. Application of Chemical Agent Resistant Coating (CARC) systems in accordance with MIL-DTL-53072 or other specified standards.
- c. Compliance with applicable DFARS material sourcing and specialty metal requirements, when flowed down.

Suppliers shall ensure that coating materials, application methods, and associated certifications or documentation meet the requirements specified by the PO, contract, or approved technical data.

QC-1408 Hazardous Material Requirements

When hazardous materials are used in the performance of work required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall comply with all applicable occupational safety, hazardous material, and environmental regulations.

Compliance shall include, as applicable:

- a. OSHA Hazard Communication Standard (29 CFR 1910.1200).
- b. Provision and maintenance of applicable Safety Data Sheets (SDS).
- c. Applicable environmental regulations, including the Clean Air Act (CAA), Resource Conservation and Recovery Act (RCRA), and Toxic Substances Control Act (TSCA).

Suppliers shall ensure that hazardous materials are handled, stored, used, and disposed of in accordance with applicable legal and regulatory requirements and any additional requirements specified by the PO or contract.

QC-1409 Special Processes for Coatings

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When coating, painting, or surface finishing operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall establish and maintain special process controls appropriate to the coating processes performed.

Such controls should be addressed, as applicable and when required:

- a. Documentation of cure cycles, bake times, or processing conditions.
- b. Monitoring and control of environmental conditions that may affect coating application or cure.
- c. Management and control of coating materials and consumables, including identification and shelf-life where applicable.
- d. Operator training, qualification, or competence appropriate to the coating process.

Records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1410 Counterfeit Avoidance Plan

When coating materials used in performance of the applicable Purchase Order (PO) are subject to counterfeit risk controls, Qualified Products Database (QPD) requirements, or Defense Federal Acquisition Regulation Supplement (DFARS) material restrictions, suppliers shall implement counterfeit avoidance controls appropriate to the materials and contractual requirements.

When invoked by the PO or contract, counterfeit avoidance controls for coating materials may include, as applicable:

- a. Procurement from approved or authorized manufacturers or distributors.
- b. Verification of QPD listing or approval status when required.
- c. Maintenance of material certifications, traceability, and chain-of-custody documentation.
- d. Compliance with applicable DFARS material sourcing and documentation requirements.

Counterfeit avoidance requirements defined in this clause supplement the general counterfeit prevention requirements of QC-410 Counterfeit Material Prevention and Authenticity Verification and apply only to the extent specified by the PO or contract.

QC-1500 Series: Surface Treatment (Non-Paint Finishing)

QC-1501 Training

When chemical processing, surface preparation, or tank-based operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall ensure that personnel performing such activities are trained, qualified, and competent for the specific processes and equipment used.

Training shall address, as applicable and when required:

- a. Surface preparation methods and acceptance criteria.
- b. Tank chemistry control, monitoring, and adjustment.
- c. Rinse processes and contamination prevention.

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Suppliers shall maintain documented evidence of training, qualification, or competency appropriate to the chemical processing performed and shall make such records available upon request when required by the PO, contract, or regulatory authority.

Training records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1502 Calibration Control

When chemical processing, surface preparation, or tank-based operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain calibration and verification controls for equipment used to monitor or control chemical processes.

Equipment subject to this clause may include, as applicable:

- a. Chemical analysis and test equipment.
- b. pH meters.
- c. Temperature measurement and control devices.
- d. Conductivity meters, timers, or related process control instruments.

Calibration and verification controls shall ensure that such equipment:

- a. Is calibrated or verified at defined intervals.
- b. Is traceable to national or international measurement standards.
- c. Is maintained within acceptable tolerances.
- d. Has clearly identified calibration or verification status.

When an out-of-tolerance condition is identified, suppliers shall evaluate the potential impact on previously processed or delivered product(s) and notify Yulista when delivered product may be affected, in accordance with applicable PO or contract requirements.

Calibration records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1503 Traceability

When chemical processing or tank-based operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain traceability sufficient to demonstrate compliance with applicable chemical processing requirements and to correlate processing to the delivered product.

Traceability shall be maintained to the extent required by the PO or technical data and may include, as applicable:

- a. Tank or bath chemistry records and control results.
- b. Process dwell times or exposure durations.
- c. Lot, batch, or serial identification of processed items.

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Traceability records shall provide objective evidence linking chemical processing conditions to the delivered product and shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1504 Inspection & Testing

When chemical processing or surface treatment operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall perform inspection and testing activities sufficient to verify conformity with applicable requirements.

Inspection and testing may include, as applicable and when required by the PO or specification:

- a. Salt spray or corrosion resistance testing.
- b. Hardness testing.
- c. Conductivity testing.
- d. Adhesion or bond strength testing.

Inspection and test results shall be documented to the extent required by the PO or technical data and shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1505 First Part Inspection

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform a First Part Inspection (FPI for chemical processing) prior to continuing production.

First part inspection may include, as applicable and when required by the PO or specification:

- a. Verification of surface preparation and chemical processing procedures.
- b. Confirmation of tank chemistry, dwell times, and process parameters.
- c. Review of applicable material certifications and process records.
- d. Verification of inspection and test results required by the PO or specification.

Suppliers shall coordinate first part inspection activities in accordance with the PO or contract requirements and shall hold further processing or delivery only when required by the PO or contract.

Records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1506 Source Inspection

When source inspection is required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall support source inspection activities associated with chemical processing operations.

When source inspection is invoked, suppliers shall:

- a. Coordinate inspection requests in accordance with PO or contract instructions.

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- b. Provide access to applicable facilities, chemical processing equipment, personnel, procedures, records, and inspection or test results necessary to support inspection.
- c. Hold processing or delivery until release or authorization is granted, when required by the PO or contract.

Source inspection scope, timing, and approval authority shall be as specified by the PO, contract, or authorized inspection authority.

QC-1507 Paint / Primer / Coating Integration Requirements

When paint, primer, or coating systems are applied in combination with plating, conversion coatings, or other surface treatments as required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall ensure compatibility between the applied processes and materials.

Compatibility controls shall ensure, as applicable and when required by the PO or specification:

- a. Proper adhesion and performance of coatings applied over plated or treated surfaces.
- b. Compliance with applicable military, industry, or customer-specified coating and surface treatment requirements (e.g., MIL-SPEC or OEM requirements, when invoked).
- c. Use of approved or compatible process sequences, materials, and cure conditions.

Suppliers shall document compatibility verification or process controls to the extent required by the PO or technical data and shall retain applicable records as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1508 Hazardous Material Requirements

When hazardous materials are used in the performance of chemical processing, surface preparation, or tank-based operations required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall comply with all applicable occupational safety, hazardous material, and environmental regulations.

Compliance shall include, as applicable:

- a. OSHA Hazard Communication Standard (29 CFR 1910.1200).
- b. Provision and maintenance of applicable Safety Data Sheets (SDS).
- c. Applicable environmental regulations, including the Clean Air Act (CAA), Resource Conservation and Recovery Act (RCRA), and Toxic Substances Control Act (TSCA).

Suppliers shall ensure that hazardous materials are handled, stored, used, and disposed of in accordance with applicable legal, regulatory, and contractual requirements, including any additional requirements specified by the PO or contract.

QC-1509 Special Process Controls

Chemical processing and tank-based operations are considered special processes because conformity cannot be fully verified by subsequent inspection or testing alone.

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When chemical processing is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall establish and maintain special process controls appropriate to the chemical processing operations performed.

Such controls should be addressed, as applicable and when required:

- a. Tank logs or process records documenting bath condition, chemistry, and operating parameters.
- b. Chemical control methods, including monitoring, adjustment, and replenishment.
- c. Calibration and verification of equipment used to monitor or control chemical processing parameters.

Records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1510 Counterfeit Avoidance Plan

When coating, painting, or chemical processing materials used under the applicable Purchase Order (PO) are subject to counterfeit risk controls, approved source requirements, or regulatory flow downs, suppliers shall implement counterfeit avoidance controls appropriate to the materials and contractual requirements.

When invoked by the PO or contract, counterfeit avoidance controls for chemical processing and coating materials may include, as applicable:

- a. Procurement from approved, authorized, or qualified manufacturers or distributors.
- b. Verification of manufacturer approval status or qualification, when required.
- c. Maintenance of material certifications, traceability, and chain-of-custody documentation.
- d. Compliance with applicable DFARS or customer-specified material sourcing requirements.

Counterfeit avoidance requirements defined in this clause supplement the general counterfeit prevention requirements of QC-410 Counterfeit Material Prevention and Authenticity Verification and apply only to the extent specified by the PO or contract.

QC-1600 Series: Composite Layup & Processing

QC-1601 Training for Composite Personnel

When composite manufacturing, repair, or processing operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall ensure that personnel performing such activities are trained, qualified, and competent for the specific composite processes and equipment used.

Training shall address, as applicable and when required by the PO or specification:

- a. Resin systems, material properties, and handling requirements.
- b. Prepreg handling, storage, and out-time control.
- c. Vacuum bagging methods and leak prevention.

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d. Autoclave or oven operation, cure cycles, and process control.

Suppliers shall maintain documented evidence of training, qualification, or competency appropriate to the composite processes performed and shall make such records available upon request when required by the PO, contract, or regulatory authority.

Training records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1602 Calibration Control

When composite manufacturing, repair, or curing operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain calibration and verification controls for equipment used to monitor or control composite processing.

Equipment subject to this clause may include, as applicable:

- a. Autoclaves.
- b. Ovens.
- c. Vacuum gauges.
- d. Thermocouples and temperature sensing devices.

Calibration and verification controls shall ensure that such equipment:

- a. Is calibrated or verified at defined intervals.
- b. Is traceable to national or international measurement standards.
- c. Is maintained within acceptable tolerances.
- d. Has clearly identified calibration or verification status.

When an out-of-tolerance condition is identified, suppliers shall evaluate the potential impact on previously processed or delivered product and notify Yulista when delivered product may be affected, in accordance with applicable PO or contract requirements.

Calibration records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1603 Design Control for Composite TDP

When composite manufacturing or repair is required by the applicable Purchase Order (PO), contract, drawing, or approved technical data, suppliers shall establish controls to ensure the correct and current technical data is reviewed, accessed, and used during execution.

Composite technical data may include, as applicable:

- a. Drawings and revisions.
- b. Ply schedules and lay-up sequences.
- c. Material specifications and orientations.
- d. Cure cycles or processing instructions.

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Suppliers shall ensure that:

- a. Only the authorized and current revision of composite technical data is used.
- b. Any identified discrepancy, error, or ambiguity in composite drawings or ply schedules is reported promptly to the Yulista Purchasing Representative or other designated authority before use.
- c. Changes, redlines, or deviations are implemented only when approved in accordance with PO or contract requirements.

This clause governs control and use of composite technical data during execution and does not alter design authority or ownership unless otherwise specified by contract.

QC-1604 Traceability

When composite manufacturing, repair, or curing operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall maintain traceability sufficient to demonstrate compliance with applicable composite material and processing requirements and to correlate processing to the delivered product.

Traceability shall be maintained to the extent required by the PO or technical data and may include, as applicable:

- a. Composite material batch or lot identification.
- b. Shelf-life or expiration control of composite materials, when applicable.
- c. Out-time tracking for prepreg or time-sensitive materials.
- d. Cure cycles, bake times, or processing conditions.

Traceability records shall provide objective evidence linking composite materials and processing conditions to the delivered product and shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1605 Inspection & Test Requirements

When composite manufacturing, repair, or curing operations are required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall perform inspection and testing activities sufficient to verify conformity with applicable composite material and processing requirements.

Inspection and testing may include, as applicable and when required by the PO or specification:

- a. Non-Destructive Testing (NDT), such as ultrasonic inspection.
- b. Visual inspection for surface condition, defects, and workmanship.
- c. Dimensional verification against drawing or specification requirement.
- d. Resin content or fiber volume testing, when specified.

Inspection and test results shall be documented to the extent required by the PO or technical data and shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

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QC-1606 First Part Inspection

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform a First Part Inspection (FPI) for composite manufacturing or repair operations prior to continuing production.

First part inspection may include, as applicable and when required by the PO or specification:

- a. Verification of composite lay-up, material usage, and ply orientation.
- b. Confirmation of out-time control, cure cycles, and processing parameters.
- c. Review of applicable material certifications and traceability records.
- d. Verification of inspection and test results required by the PO or specification.

Suppliers shall coordinate first part inspection activities in accordance with the PO or contract requirements and shall hold further processing or delivery only when required by the PO or contract.

Records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

QC-1607 First Article Inspection Report (FAI)

When required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall perform a First Article Inspection (FAI) for composite parts in accordance with AS9102.

FAI requirements for composite parts shall apply under the same conditions that require FAI for build-to-print mechanical items, as defined by the PO, contract, AS9102, or applicable technical data (e.g., new part number, drawing revision affecting form, fit, or function, change in manufacturing source or process, or production restart).

Suppliers shall generate and submit a First Article Inspection Report (FAIR) using AS9102 standard forms or an equivalent format approved in accordance with PO requirements.

FAI requirements defined in this clause support and align with QC-507 First Article Inspection (AS9102), QC-607 Enhanced FAI Evidence, and QC-708 Advanced FAI, and do not replace First Part Inspection requirements defined in QC-1606 when first-part verification is separately required.

QC-1608 Source Inspection

When source inspection is required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall support source inspection activities associated with composite manufacturing or repair operations.

When source inspection is invoked, suppliers shall:

- a. Coordinate inspection requests in accordance with PO or contract instructions.
- b. Provide access to applicable facilities, composite processing equipment, personnel, procedures, records, and inspection or test results necessary to support inspection.

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- c. Hold processing or delivery until release or authorization is granted, when required by the PO or contract.

Source inspection scope, timing, and approval authority shall be as specified by the PO, contract, or authorized inspection authority.

QC-1609 Hazardous Materials

When hazardous materials are used in composite manufacturing, repair, or processing activities required by the applicable Purchase Order (PO), contract, or approved technical data, suppliers shall comply with all applicable occupational safety, hazardous material, and environmental regulations.

Compliance shall include, as applicable:

- a. OSHA Hazard Communication Standard (29 CFR 1910.1200)
- b. Provision, availability, and maintenance of applicable Safety Data Sheets (SDS)
- c. Applicable environmental regulations, including the Clean Air Act (CAA), Resource Conservation and Recovery Act (RCRA), and Toxic Substances Control Act (TSCA)

Suppliers shall ensure that hazardous materials are handled, stored, used, and disposed of in accordance with applicable legal, regulatory, and contractual requirements, including any additional requirements specified by the PO or contract.

QC-1610 Special Process Controls

Composite manufacturing and curing operations are considered special processes because conformity cannot be fully verified by subsequent inspection or testing alone.

When composite processing is required by the applicable Purchase Order (PO), contract, drawing, or referenced specification, suppliers shall establish and maintain special process controls appropriate to the composite processes performed.

Such controls shall address, as applicable and when required:

- a. Autoclave or oven cycle charts and cure records.
- b. Tooling verification and configuration controls.
- c. Vacuum integrity checks and leak testing, when applicable.
- d. Prepreg storage, handling, and out-time control logs.

Records generated under this clause shall be retained as quality records in accordance with QC-301 Documentation and Record Retention Requirements.

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29 CFR 1910.1200	OSHA Hazard Communication Standard
ANSI	American National Standards Institute
American Welding Society (AWS) Structural Welding Code	
AS5553	Fraudulent/Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition
AS6081	Fraudulent/Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition – Distributors
AS6174	Counterfeit Materiel; Assuring Acquisition of Authentic and Conforming Materiel
AS9100	Quality Management Systems: Aviation, Space & Defense Organizations
AS9102	First Article Inspection (FAI) Report Requirements
AS9110	Aerospace - QMS Requirements for Maintenance Organizations
AS9120	Quality Management Systems - Aerospace Requirements for Distributors
ANSI/ESD S20.20	Electronic Static Discharge S20.20, Protection of Electrical and Electronic Parts, Assemblies and Equipment
FAR 52.246-2	Contractor Inspection Requirements
FAR 52.245-1	Government Property
FAR 52.245-2	Government Property (Fixed Price Contracts)
FAR.52.245-4	Government Furnished Property (Short Form)
FAR.52-245-5	Government Property (Cost Reimbursement, Time and Material, or Labor Hour Contracts)
IPC-A-600	Acceptability of Printed Boards
IPC/WHMA-A-620	Class 3 Requirements and Acceptance for Cable and Wire Harness Assemblies
IPC J-STD-001	Class 3 Requirements for Soldered Electrical and Electronic Assemblies
ISO9001	Quality Management System
IPC J-STD-002	Solderability Tests for Component Leads, Terminations, Lugs, Terminals and Wires
IPC J-STD-006	Requirements for Electronic Grade Solder Alloys and Fluxed and Non-Fluxed Solid Solders for Electronic Soldering Applications
MIL-DTL-53072	CARC System Application Procedures and Quality Control Inspection
MIL-STD-130	Identification Marking of U.S. Military Property
QPD	Qualified Product Database http://qpldocs.dla.mil
QE-STD-1	Quality Engineering Standard
SOP-MFR-07	Yulista Wire Harness Assembly
YM-PURCoC-01	Yulista Code of Conduct
Yulista Supplier Technical Data Package Requirements (Appendix B)	

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FORMS & RECORDS

YF-4.4.0-02, Appendix A	Yulista Supplier Deviation Request
YF-QC-45	Source Inspection Request

6.0 RECORD OF REVISIONS

Date	Revision	Description of Changes
10/9/2013-9/15/2022	IR-20	Detailed information on revisions prior to three years ago can be found in previous revisions of this YQMP, located in the Master Files of the Yulista QMS/SharePoint Site.
7/19/2023	21	Added QC-01 to section 5.0, Clauses applying to all suppliers Updated QC-15, FAI data pack to ship with the hardware Deleted QC-30 Added QC-34, Special Processes Added Appendix D, SQ-100 Special Processes Table Revised Appendix A, changed submittal from supplier quality to purchasing
11/3/2023	-	Corrected multiple typos throughout.
7/19/2025	22	Complete document overhaul. Rewrite and Restructure of Sections 5 and 6. Added FAR clauses throughout. New Table of Contents.
3/17/2026	23	Complete document overhaul. Rewrite and Restructure of Sections 5 and 6. Added FAR clauses throughout. New Table of Contents.

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APPENDIX A: SQ-100 SUPPLIER QUALITY DEVIATION REQUEST

		Supplier Deviation Request		
Form #		YF-4.4.0-02		
Reference: SQ-100, Appendix A				
Date Originated	Corresponding RFV#	(Assigned by Yulista Supplier Quality) Deviation #		
Section 1 Supplier				
Supplier:				
Supplier POC:	Title:			
Email:				
PO #:	Line #:			
Part #:	Rev:	Qty:		
Description of Issue				
Justification for Deviation in Detail				
Cost <input type="checkbox"/>	Schedule <input type="checkbox"/>	Customer Request <input type="checkbox"/>		
Section 2 Information				
SQ Originator:	Email:			
Project POC:	Email:			
Work Order #:	Delivery Order #:			
Charge Code:	Deviation End Date:			
Request for: YAI <input type="checkbox"/> YAD <input type="checkbox"/> YHL <input type="checkbox"/> YIS <input type="checkbox"/> YS <input type="checkbox"/> YSL <input type="checkbox"/> YSS <input type="checkbox"/> Y-TECH <input type="checkbox"/> YTS <input type="checkbox"/>				
Yukor <input type="checkbox"/> TLS <input type="checkbox"/> TSL <input type="checkbox"/> DTS <input type="checkbox"/> DSS <input type="checkbox"/> Troy7 <input type="checkbox"/> StraitSYS <input type="checkbox"/> DSoft <input type="checkbox"/> TOSS <input type="checkbox"/>				
Section 3 Approvals				
SQE for Deviations	Name:	Date:		
	Signature:			
Accepted <input type="checkbox"/> Rejected <input type="checkbox"/>				
Project Manager	Name:	Date:		
	Signature:			
Accepted <input type="checkbox"/> Rejected <input type="checkbox"/>				
Customer	Name:	Date:		
	Signature:			
Accepted <input type="checkbox"/> Rejected <input type="checkbox"/>				
Other	Name:	Date:		
	Signature:			
Accepted <input type="checkbox"/> Rejected <input type="checkbox"/>				
SQE Manager	Name:	Date:		
	Signature:			
Accepted <input type="checkbox"/> Rejected <input type="checkbox"/>				
Final Disposition				
Accepted <input type="checkbox"/>		Rejected <input type="checkbox"/>		Date:

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APPENDIX B: SUPPLIER TECHNICAL DATA PACKAGE (TDP) REQUIREMENTS

PURPOSE

This document is intended to communicate the requirements for TDPs supplied to the contractor by subcontractors and suppliers. This includes adherence to the contractor's TDP requirements, as well as all applicable military, aerospace and other acceptable standards. In addition, this document details requirements for supplier review of all drawings and technical documents delivered to the contractor. For the purposes of this document, suppliers and subcontractors will be collectively referred to as "suppliers."

ACRONYMS

IAW	In Accordance With
PO	Purchase Order
SOW	Statement of Work
TDP	Technical Data Package

B.01 ADHERENCE TO APPLICABLE MILITARY, AEROSPACE, AND ACCEPTABLE STANDARDS

Unless otherwise specified in the Statement of Work (SOW), all technical data must meet the requirements of MIL-STD-31000A Technical Data Packages (TDP). This standard provides requirements for the deliverable data products associated with a TDP and its related TDP data management products. Elements of the TDP include models, drawings, associated lists, specifications, standards, quality assurance provisions, software documentation, packaging details and all other technical documents.

Unless otherwise specified in the SOW, all technical data must also meet the requirements of ASME-Y14.100 Engineering Drawing Practices, including appendices and associated documents. This standard establishes the essential requirements and reference documents applicable to the preparation and revision of engineering drawings and associated lists. This standard is to be used in conjunction with ASME-Y14.24 Types and Applications of Engineering Drawings, ASME-Y14.34 Associated Lists, and ASME-Y14.35 Revision of Engineering Drawings and Associated Documents.

Additional standards may be required and referenced in the SOW, purchase order (PO) or in a TDP Option Selection Worksheet provided by contractor's engineering representative. Airworthiness certification may invoke special requirements specified by the contractor's customer, and these requirements will also be flowed down to the supplier via the SOW. In the event that any requirements/standards contradict one another, the supplier will contact the contractor for clarification before proceeding.

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B.02 REQUIRED SUPPLIER PROCESSES

The supplier will establish a drawing review process to ensure they meet all contractor requirements, as well as any military, aerospace, or other standards in accordance with (IAW) the SOW and the agreed upon schedule, to include the following:

- Technical review to ensure that drawings meet applicable drafting standards.
- Technical document review to ensure that documents provided to the contractor contain adequate details to fulfill their intended purpose (e.g. weight and balance reports, electrical load analysis, structural analyses, or any other document defined in the SOW).
- Internal peer review performed by an engineer other than the engineer who created the drawing.
- Process for review of drawings and/or models to identify potential manufacturability issues, as specified by the SOW.

The supplier's process will include handling of design changes, including both internal management of the changes as well as communication with the contractor when a design change affects product features and/or performance. Suppliers will evaluate and collect error checking data in order to identify trends, to correct issues and to reduce errors. Upon notice, all supplier processes are subject to audit by the contractor.

B.03 CONTRACTOR ENGINEERING REVIEW

After an engineering review by the contractor, feedback will be provided to the supplier in order to correct any issues. Once corrected, the supplier will resubmit to the contractor for approval. Contractor engineering reviews include the following:

- Early technical drawing review, to identify global errors at the beginning of the project
- Technical drawing review, to monitor adherence to requirements stated in section B.01
- Technical document review to include reports and analysis
- Manufacturability review to identify potential manufacturing issues

B.04 CONTRACTOR EVALUATION OF SUPPLIER PERFORMANCE

The contractor's supplier quality representative will monitor and evaluate supplier performance based upon on-time delivery and quality measurements. Suppliers are expected to provide TDPs to the contractor with no more than 0.5 errors per sheet. If errors are found to exceed 0.5 errors per sheet during a technical review, the supplier may be subject to corrective action. Checklists used by the contractor for error checking will be flowed to the supplier via a SOW.

REFERENCED DOCUMENTS

ASME Y14.100	Engineering Drawing Practices
ASME Y14.24	Types and Applications of Engineering Drawings
ASME Y14.34	Associated Lists
ASME Y14.35	Revision of Engineering Drawings and Associated Documents
MIL-STD-31000A	Technical Data Package

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APPENDIX C: AS9102 FIRST ARTICLE INSPECTION CHECKLIST

FORM 1(PART NUMBER ACCOUNTABILITY) of the AS9102 is complete.

1. Part Number is correct.
2. Part Name is correct.
3. Serial Number, if applicable, is correct.
4. FAIR Number. (Reference number that identifies the First Article Inspection Report (FAIR); this may be an internal report number.)
5. Part Revision Level is correct.
6. Drawing number is correct.
7. Drawing revision is correct.
8. Additional Changes, if applicable, are correct.
9. Manufacturing process is correct. (Reference number that provides traceability to the manufacturing record of the FAI part (e.g., router number, manufacturing plan number). Additional information such as lot number, batch number, date code, or line number may be included, as needed, to provide traceability to the specific manufacturing lot.)
10. Organization Name is correct.
11. Supplier Code, if applicable, is correct.
12. P.O. Number is correct.
13. Mark as Detail Part or Assembly FAI.
14. Mark as Full FAI or Partial FAI. For a partial FAI, provide the previous part number, including revision level to which this partial FAI is performed and the reason for the current FAI.
- Index** of part numbers are correct. (Data Fields 15, 16, 17, and 18: This section is required only if the part number identified in field 1 is an assembly requiring lower-level parts (i.e., detail parts) to be installed).
15. Part Number matches what is on drawing.
16. Part Name matches what is on drawing.
17. Serial Numbers, if applicable, are correct.
18. A FAIR Number or PO is provided for traceability.
19. Signature and Date are present. (Printed name or unique identification, and signature of the person approving the FAIR. This signature certifies the evaluation activities in 9102 are complete and the FAIR is approved. NOTE: Electronic identification or signature are both acceptable.) Check "FAI Complete", if all characteristics are conforming.

FORM 2 (PRODUCT ACCOUNTABILITY - MATERIALS, SPECIAL PROCESSES, AND

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FUNCTIONAL TESTING) of the AS9102 is complete.

NOTE: Data fields 1 thru 4 are repeated on all forms for traceability and must match throughout the FAIR.

1. Part Number is correct.
2. Part Name is correct.
3. Serial Number, if applicable, is correct.
4. FAIR Number. (Reference number that identifies the First Article Inspection Report (FAIR); this may be an internal report number.)

Data fields 5 thru 9 are correct.

NOTE: All Materials, Processes, Specification Numbers, Test procedures, etc. (if applicable) match what is on the drawing.

10. Certificate of Conformance number is correct. A certificate of conformance number, heat number, PO number, or any number that provides traceability to the specified material or process must be present.

11. Functional Test Procedure Number, if applicable, is correct.

12. Acceptance Report Number, if applicable, is correct.

Signature and Date are present.

Bubbled/Ballooned Drawing is complete and included.

Drawing must be aligned with Form 3 of AS9102.

Drawing must be legible.

FORM 3 – (CHARACTERISTIC ACCOUNTABILITY, VERIFICATION, AND COMPATIBILITY EVALUATION) of the AS9102 is complete.

NOTE: Data fields 1 thru 4 are repeated on all forms for traceability and must match throughout the FAIR.

Data fields 5 thru 8 must match bubbled drawing.

5. Characteristic Number is correct and correspond to the bubbled drawing. (Unique assigned number for each design characteristic).
6. Reference Location is correct. (Location of the design characteristic (e.g., drawing zone (page number and section))).
7. Characteristic Designator is correct. (If applicable, record characteristic type)
8. Requirements are correct and match drawing. (Specified requirement for the design characteristic (e.g., drawing dimensional characteristic with associated nominal dimension and tolerances, drawing notes, specification requirements).
9. Results are correct and comply with Requirements.

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10. Designed / Qualified Tooling is correct and present. (Tooling ID must be noted for anything that requires use of a tool for characteristic results).

11. Nonconformance Number, if applicable, is correct.

Signature and Date are present.

FAI Report package must be legible, free of typos and include the following:

1. Forms 1, 2 and 3 of the AS9102.
2. Bubbled/Ballooned Drawing.
3. Certificate of Conformance as required in SQ-100 5.11 QC-11.
4. All documentation (C of C's, MTR's, Test Results, etc.) relating to and completely traceable to the FAI report.

Top level part number FAI report and all sub-assembly part numbers FAI report.

Completed by: _____

Print Name	Signature	Date
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APPENDIX D: SQ-100 SPECIAL PROCESS TABLE

Special Process (SP) Description	Process Types
Chemical Processing	Anodize, Electroplating, Electroless Plating, Conversion Coating, Stripping of Chemical Processing
Coatings	Paint, Thermal Spray, Vapor Deposited Coatings, Diffusion Coatings, Heat Treat of Coatings
Composites Manufacturing	Carbon Fiber, Fiberglass, Weaving, Open/Closed Molding, Cast Polymer, Cloth Resin
Electronics	CCA Assembly Manufacturing, Soldering of Printed Board Assemblies, Encapsulation, IPC-A-610 Class 3 Workmanship Standards (Internal Only), Potting.
Heat Treating	Heat Treating
Metallic Materials Manufacturing	Forging, Casting
Non-Destructive Testing	Dye Pen, UT, ET, X-Ray, Mag Particle.
Additive Manufacturing	3D Printing
Surface Enhancement	Shot Peening, Flapper, Peen Forming, Glass Bead Peening, Manual.
Welding	Brazing, Flash Weld, Electron Beam, Resistance/Friction Stir, MIG, TIG, ARC.