



Airborne Systems Purchase Order Quality Clauses

This document describes in detail the contract requirements for Airborne Systems Purchase Order Quality Clauses.

Refer to Appendix 1 of this document for guidance on quality clauses to be flowed to sub-tier suppliers and quality clauses that require documentation to be provided with each shipment.

LIST OF ACRONYMS AND ABBREVIATIONS

AAM	Acceptance Authority Media	IM&TE	Inspection, measurement, and test equipment
ATP	Acceptance Test Procedure	LAT	Lot Acceptance Testing
ASNA	Airborne Systems North America	NDT	Nondestructive Testing
CAD	Computer Aided Design	NIST	National Institute of Standards and Technology
COC	Certificate of Conformance/ Compliance	OCM	Original Components Manufacturer
COO	Certificate of Origin	OEM	Original Equipment Manufacturer
COTS	Commercial Off-the-Shelf	PO	Purchase Order
DCMA	Defense Contract Management Agency	QAR	Quality Assurance Representative
DFARs	Defense Foreign Acquisition Regulation Supplement	QC	General Quality Clause
DLAT	Destructive Lot Acceptance Testing	QMS	Quality Management System
DPAS	Defense Priorities & Allocations System	SAT	Simplified Acquisition Threshold
ESD	Electrostatic Discharge	SDS	Safety Data Sheet
FAI	First Article Inspection	SQC	Standard Quality Clause
FAR	Foreign Acquisition Regulations	TDP	Technical Data Package
FOD	Foreign Object Debris		

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STANDARD QUALITY CLAUSES

The following Standard Quality Clauses (**SQC-XX**) apply to *all* Purchase Orders from ASNA unless waived by Purchase Order amendment. These SQC's apply to *all* line items on the Purchase Order.

Note: If QC-33A/B is invoked on the PO, SQC's do not apply to the order.

SQC-01 Right of Entry

At any time after receipt of a contract (until the same has been completed or duly withdrawn or rejected), after acceptance thereof and during the term, the agents, employees, and contractors of Airborne Systems, or required government agents or customers, may upon reasonable prior notice to Supplier, enter Supplier's premises to determine compliance by the Supplier with the requirements of the contract. The purpose of entry shall include, but is not limited to: auditing of Supplier's Quality Management System and processes, inspection of contracted product, and auditing for regulatory compliance.

Note: Nothing in this clause shall act to relieve the Supplier of any duty to perform inspections or any liability which might arise as a result of the Supplier's failure to perform inspections and to comply with all contractual requirements.

SQC-02 Change Notification

The Supplier shall notify ASNA of proposed or inadvertent changes to their Sub-tier Suppliers, equipment, or any other changes that would directly affect form, fit, function, or interchangeability of the end item, including supplier specification or part revision changes. This notification shall be made within 10 days of knowledge of such changes.

Any changes to materials, processes, or manufacturing sites are considered significant and shall all be reported as well. The Supplier shall notify ASNA Buyer prior to any and all changes taking effect in the manufacturing process.

Depending on the change, or if there has been a two-year lapse in production, a delta first article, in accordance with AS9102, may be required with product delivery on all products built to ASNA's designs, specification, and drawings, after a revision change. The specific requirement will be detailed on the purchase order.

The ASNA Supplier Request for Action/Disposition form (Form PUR 7.4.1.4-3) or equivalent form shall be utilized for submitting Change Notification. Contact ASNA Buyer to obtain the form.

SQC-03 Deleted

SQC-04 Deleted



SQC-05 Certificate of Conformance

Each shipment of items/services delivered shall include a statement of quality (i.e., Certificate of Conformance/Compliance) that certifies the deliverable is compliant with all purchase order, drawing and applicable specification requirements. This statement shall be signed with the position of the signer noted. Supplier's use of various types of signatures (e.g., electronic, typed, rubber stamp) is considered acceptable.

The document that includes the statement of quality shall identify the following:

- Item/service by ASNA Part Number
- Supplier lot number
- Date of manufacture
- Serial number
- Material/process specification and revision, type, class and/or grade, as applicable.

SQC-06 Origin Marking

Goods manufactured outside of the United States of America shall be marked in compliance with 19 CFR Part 134 and country of origin must be stated on certification documents.

SQC-07 Legibility of Paperwork

Supplier agrees to furnish correct and complete paperwork required in accordance with the purchase order as an integral part of the product purchased by ASNA. All inspection records, certifications and supporting documentation shall be done using permanent, reproducible ink. The Supplier shall ensure legibility and reproducibility of all entries, stamps, imprints, and signatures. Errors may be corrected by drawing a single line through the entry, recording the correct entry above or adjacent to the voided entry, initialing and dating. Errors may only be corrected by the responsible party. Entries shall not be erased, written over or blanked out. The use of liquid paper (i.e., white-out) or correction tape is prohibited. All documents provided shall be of sufficient quality to be reproduced or scanned and maintain legibility of content.

SQC-08 Deleted



SQC-09A Request for Waiver

The Supplier shall not deliver products or perform services that do not conform to the requirements of the purchase order, drawing and/or applicable specification.

Waivers are requests from the Supplier to waive a requirement for already manufactured parts or performed services that have been determined to be nonconforming. Waivers will be evaluated on a lot-by-lot basis.

To request a waiver, the Supplier shall submit to ASNA "Supplier Request for Action/Disposition" form (Form PUR 7.4.1.4-3) or equivalent form. This will document the waiver request and approval to ship or proceed, as applicable. This form can be found at the following web link or requested by email: airborne-sys.com/suppliers.

Until a formal waiver is approved by ASNA (and its customer, when contractually required), the Supplier shall place all incomplete manufacturing processes and incomplete services on hold.

The Supplier shall not deliver the nonconforming product that is subject to a waiver request without the written approval of ASNA. A copy of the approved PUR 7.4.1.4-3 form or equivalent form shall be submitted with delivery of the discrepant product or performed service. All disposition activities in regards to these products and services that are subject to a waiver request shall require the approval of ASNA, and/or its customer, as required.

SQC-09B Request for Deviation

The Supplier shall not deliver products or perform services that do not conform to the requirements of the purchase order, drawing and/or applicable specification.

Deviations are requests from the Supplier to deviate from a requirement for planned parts or services where they determine they are unable to produce or perform in full accordance with the requirements of the purchase order, drawing and/or applicable specification.

The request a deviation, the Supplier shall submit to ASNA "Supplier Request for Action/Disposition" form (Form PUR 7.4.1.4-3) or equivalent form. This will document the deviation request and approval to ship or proceed, as applicable. This form can be found at the following web link or requested by email: airborne-sys.com/suppliers.

Until a formal deviation is approved by ASNA (and its customer, when contractually required), the Supplier shall place all incomplete manufacturing processes and incomplete services on hold.

The Supplier shall not proceed further with product or process realization that is subject to a deviation request without the written approval of ASNA. A copy of the approved PUR 7.4.1.4-3 form or equivalent form shall be submitted with delivery of the discrepant product or performed service. All disposition activities in regards to these products and services that are subject to a deviation request shall require the approval of ASNA, and/or its customer, as required.



SQC-10 Supplier Delivered Documentation, Positive Traceable Link

The Supplier shall ensure that there is a positive traceable link between all of the Supplier and Sub-Tier Supplier documents provided to demonstrate compliance with Purchase Order requirements. The positive traceable link shall include the ASNA part number, ASNA stock code, and/or PO item description, as applicable. The positive traceable link shall also include the ASNA PO number.

At a minimum, the link shall apply, but is not limited to the following supplier documents:

- Packing Slip/Shipper
- Certificate of Conformance
- Test Reports
- Special Process Certifications

SQC-11A Shelf-Life Documentation Data, Manufacturer Defined Expiration

This clause applies to materials with a shelf life/expiration date defined by the manufacturer, or a material specification or drawing, or specified in the ASNA Purchase Order. The Supplier's shipping documents shall provide sufficient data to determine expiration of the material. Data shall include at least one of the following-

- Expiration date
- Date of manufacture combined with shelf life
- Date of shipment combined with shelf life after shipment

Unless otherwise specified on the PO, the Supplier shall assure that a minimum of 75% of the shelf life is remaining upon receipt at ASNA.

When textiles have a shelf life defined by the manufacturer or specification, each unit textile container (e.g., roll, bolt) shall indicate either the date of manufacture and shelf life, or the expiration date.

SQC-11B Shelf-Life Documentation Data, MIL-DTL-6645 Requirement

Unless otherwise specified on the purchase order, all textile materials shall be less than one (1) year old from the date of manufacture when received by ASNA.

SQC-11C Shelf-Life Documentation Data, Unique Storage Requirements

The Supplier's shipping documents shall provide adequate statements in paperwork and physical indication for any unique environmental storage conditions required to preserve the shelf life of the material.

SQC-12 Deleted



SQC-13 Safety Data Sheets (SDS)

When the item delivered contains hazardous chemicals, Safety Data Sheets shall be submitted with each shipment. The SDS shall provide specific minimum information as detailed in Appendix D of 29 CFR 1910.1200.

SQC-14 New Material

All goods shall be manufactured using new and unused components and materials. Use of remanufactured or refurbished materials or components is prohibited.

SQC-15 Record Retention

Objective evidence (i.e., records) to support the statement of quality shall be provided to ASNA and the customer/government upon request. The records shall indicate the nature and number of observations made, the number and type of deficiencies found, the quantities approved and rejected and the nature of corrective action taken as appropriate. The records shall be maintained for a minimum of ten (10) years after final payment on the purchase order. After this period the method of disposal shall be by any means which renders them unusable and prevents unauthorized reproduction.

SQC-16 Build to Print

Order shall be manufactured to the drawings and specifications supplied with, or referenced on, this purchase order. Specifications includes ASNA, government, industry, and military specifications. Any deviation or waiver from TDP requirements shall require written approval from ASNA (See SQC-09A Request for Waiver; See SQC-09B Request for Deviation).

Unless otherwise specified on the Purchase Order, the drawing is the legal binding and controlling document for a part or assembly. "Reference Data" in the form of 3-D models or electronic CAD files may be provided to assist in the facilitation of fabrication processes. The Supplier receives this "Reference Data" with the understanding and acknowledgement that all inspection, measurement, and test shall be performed in accordance with the drawing requirements. In the event of conflict between the drawing and 3D models or electronic CAD files provided by ASNA contact ASNA Purchasing and/or Quality Department for guidance.

SQC-17 Counterfeit Part Prevention

Only new and authentic materials are to be used in products delivered to ASNA. Accordingly, Suppliers shall not deliver any counterfeit parts, and shall immediately disclose to ASNA if they are aware of, or suspect, any counterfeit parts. Suppliers shall maintain documentation to authenticate traceability of items to applicable Original Equipment Manufacturer (OEM) or Original Components Manufacturer (OCM) to the lowest level of separately identifiable items.

Electronic components shall only be procured from OCM or from OCM franchised distributors. Independent distributors not franchised by the OCM shall not be used only without prior written approval by ASNA. Depending on the type of component and its use, ASNA reserves the right to define inspections and tests deemed necessary to ensure the component conforms with requirements.

SQC-18 Preservation of Items and Constituent Parts

The Supplier shall preserve supplied items during internal processing and delivery in order to maintain conformity to applicable engineering drawings, specifications, and/or Purchase Order requirements. Preservation shall include identification, handling, packaging, storage, and protection, as applicable. Preservation shall also apply to the constituent parts of manufactured items.

The Supplier shall ensure that Preservation includes provisions for the following, as applicable:

- Cleaning,
- Delivery method (including protection of materials),
- Prevention, detection, and removal of foreign objects,
- Special handling for sensitive products,
- Marking and labeling including safety warnings,
- Shelf-life control and stock rotation,
- Special handling for hazardous materials.

SQC-19 Acceptance Authority Media

AAM is the means defined by the organization to document the status of outputs with respect but not limited to conformity configuration, monitoring and measurement requirements, and identification throughout the product life cycle. Examples include, but are not limited to:

- Stamps both Electronic/Physical (including hybrid Biometrics/Fingerprint)
- Signatures or Initials
- Passwords
- Any other acceptance authority media recognized by the QMS

The Supplier shall have a method of positively controlling AAM throughout the manufacturing process. The Supplier shall emphasize the application of the company's designated AAM to retained documented information is a "personal warranty" that a task was completed as scheduled (sequenced), as planned (documented), and when performed (timely).



SQC-20 Baseline Quality Management System Standards

The Supplier shall establish and maintain a QMS to assure that all supplies and services submitted for acceptance conform to contract requirements whether manufactured or processed by the Supplier, or procured from Sub-Tier Suppliers.

At a minimum, the quality management system will contain the following basic QMS standards:

- **Contract Review:** Prior to acceptance, the Supplier shall conduct a complete review of the requirements of the contract to identify and make timely provision for the special controls, processes, test equipment, fixtures, tooling, and skills required for assuring product quality.
- **Production Planning:** The Supplier shall establish a process to assure that the latest applicable drawings, specifications, and instructions required by the contract, as well as authorized changes, are used for fabrication, inspection, and testing. The Supplier shall also prescribe clear, complete, and current instructions to assure inspection and test of materials, work in process, and completed articles are as required by the item specification and the contract. In addition, criteria for approval and rejection of product shall be included.
- **Control of Measuring and Test Equipment:** All inspections and tests performed to ensure compliance with specifications and other technical data package requirements shall use inspection and test equipment that is suitable to demonstrate conformance, be in a known state of calibration, and capable of providing valid measurements.
- **Inspection:** Unless otherwise specified in the material specification and/or the purchase agreement, sampling of material lots shall only be in accordance with standard and current sampling plans (e.g. ANSI/ASQ Z1.4, ANSI/ASQ Z1.9, MIL-STD-1916, Zero Acceptance Number Sampling Plans, etc.). The sampling plan shall preclude the acceptance of lots whose samples have known nonconformities (i.e., C=0). Subcontracted or purchased supplies shall be subjected to inspection after receipt, as necessary, to assure conformance to contract requirements.
- **Nonconforming Material:** The Supplier shall establish and maintain an effective and positive system for controlling nonconforming material, including procedures for the identification, segregation, presentation, and disposition of reworked or repaired supplies. All nonconforming materials shall be positively identified to prevent use, shipment, and intermingling with conforming materials.
- **Corrective Action:** The Supplier shall take prompt action to correct assignable conditions, which have resulted in the product delivered to ASNA that do not conform to (1) the quality assurance provisions of the item specification, (2) inspections and tests required by the contract, and (3) other inspections and tests required to substantiate product conformance.
- **Materials and Process Control:** The Supplier shall maintain a positive system for identifying the inspection status of supplies. The Supplier shall clearly identify each unit container and unit roll with batch/lot number, as applicable.
- **Traceability:** The Supplier shall maintain documentation to authenticate traceability of items to applicable Original Equipment Manufacturer (OEM) or Original Components Manufacturer (OCM) to the lowest level of separately identifiable items. For textiles, the Supplier shall maintain documentation to authenticate traceability of items, applicable to the level of where yarn and/or fiber was manufactured.



SQC-21 Notification of Escapement

If a delivered item/service is discovered to be non-conforming or is suspected to be non-conforming, the Supplier shall notify ASNA within five (5) calendar days of awareness.

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GENERAL QUALITY CLAUSES (QC)

The following general quality clauses apply only if specified on the Purchase Order. The specified clauses apply to all line items in the Purchase Order, unless otherwise stated. The Supplier shall meet the general quality clause requirements stated in the Purchase Order and its Appendix A (Form PUR 0100-10). The Supplier shall be responsible for flowing down general quality clauses to their Sub-tier Suppliers as defined in Appendix 1.

QC-01 Deleted

QC-02 Deleted

QC-03 Quality Management System per ISO 9001/AS9120/AS9100

Items shall be produced under a Quality Management System that conforms to ISO 9001, AS9120, and/or AS9100.

QC-04 Airborne Systems Source Inspection

The Supplier shall be subject to surveillance and inspection of products, processes, systems, procedures, and facilities by ASNA, their customer, and/or their designated representative. Facilities and equipment required to perform source inspection shall be provided by the Supplier without cost to ASNA. Prior to delivery, the Supplier shall contact ASNA Buyer to coordinate the source inspection of each shipment at least seven (7) days in advance of desired shipping date. No items shall be shipped without Source Inspection approval and evidence of source inspection shall be provided with the delivered items.

QC-05 Government Source Inspection

During performance on this order, Supplier's Quality System and manufacturing processes are subject to review, verification, and analysis by authorized Government Representatives. Facilities and equipment required to perform Government surveillance shall be provided by Supplier without cost to the Government. Government inspection or release of product prior to shipment is not required unless otherwise specified in this section.

Site selection for Government source inspection and/or data review is at the discretion of the Government Representative, if at the time of the issuance of the PO, an inspection site has been selected, the quality clause shall be identified with the suffix "A" or "S" as follows;



QC-05A – Government Source Inspection at ASNA

Government inspection of purchased products may be conducted at ASNA upon receipt. Unless otherwise notified by Government Representative to designate a Receiving Inspection hold point, all purchased products shall be processed to stock upon acceptance, and all associated receiving data and certification packages are available for Government's review at any time during subsequent manufacturing processes and upon shipment of end item. (Note: when QC-05A is imposed, the evidence of Government source acceptance on Supplier's document is not required).

QC-05S – Government Source Inspection at Supplier

Government inspection is required prior to shipment from Supplier's plant. Evidence of Government acceptance must be indicated on the shipping document. Upon receipt of this purchase order, the Supplier shall contact their Government Quality Assurance Representative (i.e., DCMA QAR) to establish proper source inspection point(s). Supplier shall contact DCMA QAR at least seven (7) days in advance of desired inspection date. (Note: when QC-05 is imposed, the evidence of Government source acceptance on Supplier's document is required).

QC-06 Chemical, Physical and/or Mechanical Test Reports/Data

One copy of test reports indicating chemical composition, physical and/or mechanical properties including actual test data/results identifiable to each lot or batch shall accompany each shipment of material.

Test data shall include actual values obtained from testing of the submitted material lot(s) compared to the specified performance requirements of the product, including whether the item passed or failed to meet the specified requirement.

Test methods used shall be in accordance with the methods stated in the specification or drawing.

An authorized Supplier representative (including Sub-tier Supplier representatives) shall validate all test reports either by a dated inspection stamp, signature, or typed name, accompanied by date and title.

The manufacturer name and lot number of materials shall be identified on each document.

Test reports and all test data shall be provided with the proper number of significant digits based upon the level of precision of the measurement instrument, and in an appropriate format to allow a clear and unambiguous interpretation.

All test parameters must pass specified requirements unless the requirement is formally exempted in the Purchase Order via the Request for Deviation process (See SQC-09B) or Airborne Systems authorizes a waiver from the requirement via the Request for Waiver process (See SQC-09A).

QC-07 Special Process Certifications

Special processes are defined as processes, where upon completion of the process, cannot be readily verifiable through direct measurement or evaluation. Examples of Special Processes include, but are not limited to the following:

- Heat Treating
- Welding
- Surface Coatings (plating, anodizing, priming, painting, metal spraying, etc.)
- Surface Treatments (etching, passivation, etc.)
- Nondestructive Testing and Evaluation (radiographic (all wave types), liquid penetrant, magnetic particle, ultrasonic, eddy current, etc.)

The Supplier shall provide a certification for each special process performed as specified in the drawing, specification (rev level, type, class) and/or purchase order. Evidence of certification of special processes performed by Sub-tier Suppliers shall also be provided.

QC-08 Deleted

QC-09 Deleted

QC-10 Handling and Packaging for Electrostatic Discharge (ESD) Sensitive Items

The items on this Purchase Order are ESD sensitive and shall be handled per the requirements of ANSI/ESD S20.20, MIL-STD-1686 or JESD625.

These ESD sensitive items shall be packaged in static-dissipative packages, tubes, carriers, etc., as appropriate for the items to be shipped. The packaging shall be marked or labeled to indicate that they are made of static-dissipative materials and shall be clearly labeled to indicate that it contains ESD sensitive items.

QC-11 Deleted

QC-12 Deleted



QC-13 Specialty Metals

This order is subject to the requirements of DFARS 252.225-7009 Restriction of Acquisition of Certain Articles Containing Specialty Metals found at:

[acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses](https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses)

A statement certifying compliance to DFARS 252.225-7009 shall be included for each shipment of item delivered. This statement may be included as a part of the Certificate of Conformance. The statement shall identify the material or item by heat, lot, date of manufacture, and/or serial number, revision date and/or grade, as applicable. The Supplier shall provide objective evidence to support the origin of raw material to ASNA and the customer/government.

QC-14 Berry Amendment

This order is subject to the Berry Amendment requirements of DFARS Subpart 252.225.70 Authorization Acts, Appropriations Acts, and Other Statutory Restrictions on Foreign Acquisition; specifically, DFARS 252.225-7012 Preference for Certain Domestic Commodities, but not limited to DFARS 252.225.7002-1 Restrictions and DFARS 252.225.7002-2 Exceptions found at:

[acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses](https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses)

Note that the Simplified Acquisition Threshold (SAT) applies to the value of the contract between the Prime Contractor and the Federal Government, not the value of the contract between ASNA and the Supplier.

A statement certifying compliance to DFARS 252.225-7012 / 10 USC. 2533a is to be included for each shipment of item delivered. This statement may be signed with the position of the signer noted and may be included as a part of the Certificate of Conformance. The statement shall identify the material or item by material or item description and by an applicable and traceable manufacturing identifier (i.e., lot number, date of manufacture and/or serial number, revision date, roll and/or case number, etc.). Additionally, this statement shall also identify the manufacturing traceability identifier (i.e., merge number, yarn lot number, etc.) of the yarn and/or fiber used in the manufacture of the material or item. Upon request, the Supplier shall provide objective evidence to support the origin of raw material to ASNA and the customer/government.

QC-15 Certificate of Origin

Each shipment of items delivered shall include a statement certifying origin of the raw material that went into producing each item (for textiles, origin of where yarn and/or fiber was manufactured; for metals, origin of mill where raw metal stock was melted). When possible, this statement should be provided by the originating Supplier (i.e., Sub-tier yarn Supplier or Sub-Tier raw metal mill, etc.) and signed by the originating Supplier with the position of the signer noted.

The statement shall identify the location of where the raw material originated and identify the raw material by item description and by an applicable and traceable manufacturing identifier (i.e., lot number, merge number, heat number, date of manufacture and/or serial number, revision date and/or grade). Upon request, the Supplier shall provide objective evidence to support the origin of raw material to ASNA and the customer/government.



QC- 16 Buy American Act

This order is subject to the Buy American Act of FAR Subpart 52.225-1 Buy American Act—Supplies; 52.225-2 Buy American Act Certificate; 52.225-5 Trade Agreements; and 52.225-6 Trade Agreement Certificates found at:

[acquisition.gov/far/52.225-1](https://www.acquisition.gov/far/52.225-1)

A statement in accordance with FAR 52.225-2 (or FAR 52.225-6 as applicable) may be included for each shipment of item delivered. This statement shall be signed with the position of the signer noted and may be included as a part of the Certificate of Conformance. Upon request, the Supplier shall provide objective evidence to support the origin of raw material to ASNA and the customer/government. If objective evidence cannot be provided, the material shall be treated as foreign and is up to ASNA discretion to decide if it can be used.

QC-17 Pressure Vessel Test Data

Pressure vessel test data, including hydrostatic testing results, shall be provided. The Supplier shall certify product compliance with all applicable regulatory specifications; including, but not limited to the United States Department of Transportation and the Compressed Gas Association.

Test reports and all test data shall be provided with the proper number of significant digits based upon the level of precision of the measurement instrument, and in an appropriate format to allow a clear and unambiguous interpretation.

All test parameters must pass specified requirements. If the requirement cannot be met, it must be formally exempted in the Purchase Order via the Request for Deviation process (See SQC-09B) or ASNA must authorize a waiver from the requirement via the Request for Waiver process (See SQC-09A).

QC-18 Deleted



QC-19 Government/Customer Furnished Property

This order includes ASNA providing either Government or Customer furnished property to the Supplier. As a result, there are specific controls required of the Supplier regarding this property. The Supplier shall have the following controls in place for furnished property, at minimum:

- Examination upon receipt, as practical, to detect damage in transit
- Inspection for completeness and proper type
- Periodic inspection and precautions to assure adequate storage conditions and to guard against damage from handling and deterioration during storage
- Functional testing, either prior to or after installation, or both, as required by contract to determine satisfactory operation
- Identification and protection from improper use or disposition
- Verification of quantity

The contractor shall report to ASNA any Customer/Government furnished material found damaged, malfunctioning, or otherwise unsuitable for use. In the event of damage or malfunction during or after installation, the contractor shall determine or record probable cause and withhold property from use.

QC-20 Small Business Plan

Supplier shall comply with requirements of FAR 52.219-9 Small Business Subcontracting Plan. Information available at:

[acquisition.gov/far/52.219-9](https://www.acquisition.gov/far/52.219-9)

QC-21 Oxygen Clean

Product shall be oxygen cleaned in accordance with drawing and/or specification requirements. Each shipment shall be accompanied by a Signed Certification or statement on the Certificate of Conformance that parts were cleaned in accordance with drawing and/or specification requirements. All parts shall be packaged to maintain oxygen cleanliness and packaging shall be labeled to identify the parts as oxygen clean.



QC-22A First Article Inspection (FAI) Report

The Supplier shall perform a First Article Inspection (FAI) Report in accordance with AS9102 and deliver the report with the initial shipment of the FAI item. The FAI Report shall be accompanied by a bubble/balloon outlined drawing corresponding to the details documented on AS9102 Form 3. When the FAI item is not serialized, the FAI item shall be packaged in a way to be clearly identifiable from the rest of the items.

Test reports and all test data shall be provided with the proper number of significant digits based upon the level of precision of the measurement instrument, and in an appropriate format to allow a clear and unambiguous interpretation.

QC-22B Inspection Report

The Supplier shall provide a detailed with objective evidence, with each shipment, that the deliverable end item conforms to drawing requirements.

Objective evidence records shall include, at a minimum:

- Part number and revision,
- Purchase Order number,
- Serial, lot, batch, and date code number(s) as applicable,
- Identification of the person performing the inspection,
- Lot size and sample size of inspected items,
- End item features, dimensions, notes, and/or requirements and associated tolerances as applicable,
- Actual inspection results including ranges of variation recorded during inspection,
- Inspection, measurement, and test equipment (IM&TE) used on each feature inspected,

All inspection results must pass specified requirements. If the requirement cannot be met, it must be formally exempted in the Purchase Order via the Request for Deviation process (See SQC-09B) or ASNA must authorize a waiver from the requirement via the Request for Waiver process (See SQC-09A).

Inspection reports and all inspection data shall be provided with the proper number of significant digits based upon the level of precision of the measurement instrument, and in an appropriate format to allow a clear and unambiguous interpretation.



QC-23 FOD Prevention Program

The Supplier shall establish and maintain an effective Foreign Object Debris (FOD) prevention program to eliminate FOD in items delivered to ASNA. The Supplier's program shall utilize effective FOD prevention practices. Industry standard NAS 412 may be used as a guideline in complying with this requirement. The program shall be proportional to the sensitivity of the design of the product(s) to FOD, as well as to the FOD generating potential of the manufacturing methods used.

QC-24 Deleted

QC-25 Deleted

QC-26 Heat Treat Approval

Heat Treat shall be verified on a lot basis in accordance with the requirements set forth in the applicable heat treat specification. Evidence of this verification shall be provided to and approved by ASNA on a lot-by-lot basis prior to continuing any further processing (i.e., additional operations such as plating, NDT, etc.) on the lot or order

QC-27 Deleted

QC-28A Airborne Systems Approved Special Process Suppliers, All Processes

Special processes are defined as those processes which, upon completion of the process, cannot be readily verifiable through direct measurement or evaluation. Examples of Special Processes include, but are not limited to the following:

- Heat Treating
- Welding
- Surface Coatings (plating, anodizing, priming, metal spraying, etc.)
- Surface Treatments (etching, passivation, etc.)
- Nondestructive Testing and Evaluation (radiographic (all wave types), liquid penetrant, magnetic particle, ultrasonic, eddy current, etc.)

When any special processes are required by engineering drawings, specifications, and/or Purchase Order, the Supplier shall ensure that only ASNA approved Special Process suppliers are used to perform the special processes for items to be delivered on this Purchase Order.

The Supplier shall submit to ASNA a "Special Process Supplier Disclosure and Approval" form (Form No. PUR 7.4.1.4-2) prior to having the required special processes performed. This form can be found at the following web link or requested by email: airborne-sys.com/suppliers.

Note: NADCAP approved special process providers are preferred.

QC-28B Deleted

QC-29 Wood packaging

When natural wood packaging is required by engineering drawings, specifications, and/or Purchase Order, the Supplier shall ensure that it is in conformance with ISPM 15 Regulation of Wood Packaging Material in International Trade. A copy of the standard can be found at:

ippc.int/en/publications/640/

QC-30 Deleted

QC-31 Deleted

QC-32 Ammunition and Explosives

The subcontractor shall comply with the following DFARs-

- 252.223-7002 Safety Precautions for Ammunition and Explosives, section (g)
- 252.223-7003 Change in Place of Performance -- Ammunition and Explosives

Shipping documents shall contain all information required by 27 CFR 555.124(c)-

- I. Date of Acquisition
- II. Name or brand name of manufacturer
- III. Manufacturer's mark of identification
- IV. Quantity (applicable quantity units, pounds of explosives, number of detonators, etc.)
- V. Description of explosive material
- VI. Name, address, and license number of the persons from who the explosive materials are received.

QC-33A Resale Commercial Parts

When this clause is specified, compliance with SQC codes is not required.

An item is a Resale Commercial Part if it meets all of the following:

- The part is sold in the commercial marketplace and in use by the general public.
- Form/fit/function and materials are not governed by government, military, or industry specifications.
- Materials and/or process certifications are typically not available.



QC-33B Non-Traceable R&D, Prototype, or Non-Deliverable Parts

When this clause is specified, compliance with SQC codes is not required.

Items purchased are for R&D and/ or prototype purposes and are not considered for flight or final delivery. Typically utilized for parts requiring tracking through stockroom, but purchased from larger 3rd party distribution centers.

QC-34 Calibration Services

The Supplier shall provide a test report/calibration certificate for each item calibrated from the calibration service provider. Each test report/calibration certificate shall contain as a minimum:

- Description or identification of the item.
- List of standards used for traceability. Standards must be traceable to a national standard such as NIST.
- Date of calibration.
- Calibration due date or calibration interval (e.g., 6 months, 1 year, etc.)
- Test results/values.
- Test report/calibration certificate number.

The calibration shall be performed by either the OEM of the item or by a provider that has a Quality Management System that conforms to ISO/IEC 17025

When an instrument has been adjusted or repaired, the calibration results before and after adjustment or repair shall be reported.

If found to be out of tolerance upon receipt contact the ASNA Buyer for instructions. Do not perform adjustments prior to authorization.

QC-35 Safeguarding Covered Defense Information and Cyber Incident Reporting

Contractors are required to implement National Institute of Standards and Technology (NIST) Special Publication (SP) 800-171, "Protecting Controlled Unclassified Information in Nonfederal Information Systems and Organizations" to safeguard covered defense information that is processed or stored on their internal information system or network

The full text can be found in DFARS Clause 252.204-7012 Safeguarding Covered Defense Information and Cyber Incident Reporting found at:

[acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses](https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses)



QC-36DO DPAS Rating DO-__

This Purchase Order is in support of a contract with a DPAS rating of DO. This is a rated order certified for national defense use. The Supplier is required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 700). This PO must be acknowledged in writing, either by hard copy or electronically, within fifteen (15) business days after receipt of this PO. The full text can be found in dcma.mil/DPAS/.

QC-36DX DPAS Rating DX-__

This Purchase Order is in support of a contract with a DPAS rating of DX. This is a rated order certified for national defense use. The Supplier is required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 700). This PO must be acknowledged in writing, either by hard copy or electronically, within ten (10) business days after receipt of this PO. The full text can be found in dcma.mil/DPAS/.

QC-37FAR Government Contracts

This Purchase Order is in support of a contract with the United States Government. Seller accordingly shall be bound by the terms of ASNA FAR Flowdown Provisions current as of the date of this Purchase Order, available at airborne-sys.com/suppliers/, which is hereby incorporated by reference.

QC-37DFARS Department of Defense Contracts

This Purchase Order is in support of a contract with the United States Department of Defense. Seller accordingly shall be bound by the terms of ASNA DFARS Flowdown Provisions current as of the date of this Purchase Order, available at airborne-sys.com/suppliers/, which is hereby incorporated by reference.

QC-38 Textile Traceability

Textile suppliers shall provide documentation to authenticate traceability of items, applicable to the level of where yarn and/or fiber was manufactured. Positive, traceable links between all the Supplier and Sub-Tier Supplier documentation shall be provided to demonstrate compliance, and documentation shall include the AS part number, AS stock code, and/or PO item description, as applicable. The positive traceable link shall also include the Airborne Systems PO number. At a minimum, the link shall apply, but is not limited to the following supplier documents:

- Packing Slip/Shipper
- Certificate of Conformance
- Test Reports
- Special Process Certifications

QC-39A Single Lot Requirement

Single lot (manufacturing lot) is defined as group or batch of product(s) created on a single production run, i.e., the discrete production of a single product on a specific production line to fulfill the purchase order. The full order quantity of product, delivered against this Purchase Order, shall be from a single lot code. The unique lot identifier shall be recorded on all certificates and packages for this order.

QC-39B Single Lot of Yarn Requirement

Yarns throughout the production build shall remain consistent throughout the full order quantity of product, delivered against this Purchase Order. A single batch or lot code of yarns shall be used to complete the build. Multiple batches or lot codes of yarns can be used only if the placement within the pattern of the overall weave or braid, remain consistent. Batch paperwork of the yarn shall be provided

QC-40 Functional Testing

Certificate of Conformance or Test Report is required to demonstrate completeness of functional testing as defined by the drawing, specification, or purchase order text. Functional testing can include, but is not limited to LAT, DLAT, ATP or verification of part after refurbishment.

An authorized Supplier representative (including Sub-tier Supplier representative) shall endorse all test reports or certificates either by a dated inspection stamp, signature, or typed name, accompanied by date and title.

APPENDIX 1: FLOW TO SUB-TIER SUPPLIERS OR PROVIDE DOCUMENTATION GUIDE

Quality Clause	Quality Clause Description	Flow to Sub-Tier Suppliers	Documentation with Shipment
SQC-01	Right of Entry	X	
SQC-02	Change Notification	X	*
SQC-03	Deleted		
SQC-04	Deleted		
SQC-05	Certificate of Conformance	X	X
SQC-06	Origin Marking	X	*
SQC-07	Legibility of Paperwork	X	
SQC-08	Deleted		
SQC-09A	Request for Waiver	X	*
SQC-09B	Request for Deviation	X	*
SQC-10	Supplier Delivered Documentation, Positive Traceable Link	X	X
SQC-11A	Shelf-Life Documentation Data, Manufacturer Defined Expiration	X	X
SQC-11B	Shelf-Life Documentation Data, MIL-DTL-6645 Requirement	X	
SQC-11C	Shelf-Life Documentation Data, Unique Storage Requirements	X	X
SQC-12	Deleted		
SQC-13	Safety Data Sheets (SDS)	X	X
SQC-14	New Material	X	
SQC-15	Record Retention	X	
SQC-16	Build to Print	X	
SQC-17	Counterfeit Part Prevention	X	
SQC-18	Preservation of Items and Constituent Parts	X	
SQC-19	Acceptance Authority Media (AAM)	X	
SQC-20	Baseline Quality Management System Standards	X	
SQC-21	Notification of Escapement	X	
QC-01	Deleted		
QC-02	Deleted		
QC-03	Management System per ISO 9001/AS9100		
QC-04	Airborne Systems Source Inspection		
QC-05A	Government Source Inspection at ASNA		
QC-05S	Government Source Inspection at Supplier		
QC-06	Chemical, Physical and/or Mechanical Test Reports/Data		X
QC-07	Special Process Certifications		X
QC-08	Deleted		
QC-09	Deleted		
QC-10	Handling and Packaging for Electrostatic Discharge (ESD) Sensitive Items		
QC-11	Deleted		

Quality Clause	Quality Clause Description	Flow to Sub-Tier Suppliers	Documentation with Shipment
QC-12	Deleted		
QC-13	Specialty Metals	X	X
QC-14	Berry Amendment	X	X
QC-15	Certificate of Origin	X	X
QC-16	Buy American Act	X	X
QC-17	Pressure Vessel Test Data		X
QC-18	Deleted		
QC-19	Government/Customer Furnished Property		
QC-20	Small Business Plan		
QC-21	Oxygen Clean		X
QC-22A	First Article Inspection (FAI) Report		X
QC-22B	Inspection Report		X
QC-23	FOD Prevention Program		
QC-24	Deleted		
QC-25	Deleted		
QC-26	Heat Treat Approval	X	X
QC-27	Deleted		
QC-28A	Airborne Systems Approved Special Process Suppliers, All Processes	X	X
QC-28B	Deleted		
QC-29	Wood packaging		
QC-30	Deleted		
QC-31	Deleted	X	
QC-32	Ammunition and Explosives	X	X
QC-33A	Resale Commercial Parts		
QC-33B	Non-Traceable R&D, Prototype, or Non-Deliverable Parts		
QC-34	Calibration Services		X
QC-35	Safeguarding Covered Defense Information and Cyber Incident Reporting		
QC-36DO	DPAS Rating DO-__	X	
QC-36DX	DPAS Rating DX-__	X	
QC-37FAR	Government Contracts	X	
QC-37DFAR	Department of Defense Contracts	X	
QC-38	Textile Traceability	X	X
QC-39A	Single Lot Requirement		
QC-39B	Single Lot of Yarns Requirement		X
QC-40	Functional Testing		X

(X) Required

(*) As necessary