

The Atlas Group

Quality Notes

**THIS DOCUMENT FORMS A PART OF THE ATLAS AEROSPACE PURCHASE ORDER
UNLESS OTHERWISE SPECIFIED.**

REVISION HISTORY			
Rev	Description of Change	Author	Effective Date
-	Initial release	Melanie Leach	11/2/17
A	Removed Woodward documents from Q-W-3 and -4 notes	Ryan Sanders	4/13/18
B	Add Viasat as a customer and applicable Quality Notes	Bryce Schumacher	4/29/19
C	Amended Q-CES-1, GN-7, Q-BNG-4, Q-BNG-7, Q-NGC-8	M Leach	9/21/20

Quality Note Abbreviations and Definitions Shown Below

GN	General Notes pertaining to all purchase orders and end customers
Q-NGC	Northrop Grumman
Q-BNG	Boeing
Q-CES	Cessna/Textron
Q-GAC	Gulfstream
Q-Bell	Bell Helicopter
Q-SP	Spirit Aerosystems
<u>Q-Hwell</u>	Honeywell
<u>Q-HS</u>	Hamilton Sundstrand
<u>Q-W</u>	Woodward
<u>Q-Ray</u>	Raytheon
<u>Q-RC</u>	Rockwell Collins
<u>Q-VST</u>	Viasat

GENERAL NOTES

- GN-1: All First Articles shall be performed in accordance with the requirements of AS/EN/SJAC 9102. The preferred method of submittal of First Articles is through Net Inspect. www.netinspect.com
- GN-2: All Variation Management Key Characteristics shall be in accordance with AS/EN9103. Seller shall manage, control, and monitor accordingly. Seller shall provide analysis results and/or records monthly in buyer's requested format.
- GN-3: Ensure that all company persons are aware of their contribution to product conformity, product safety, and the importance of ethical behavior.

- GN-4: Periodic testing by a 3rd party source for raw materials shall be done annually and the records kept on file and retrievable in compliance with contract terms.
- GN-5: Seller shall control sub-tier supplier procurements to the extent necessary to ensure quality requirements specified in the purchase order and engineering are satisfied.
- GN-6: Seller shall have a calibration system requirement and program in place that is in conformance with ISO 10012-1, ANSI Z540-1, or comparable standards as alternatives to MIL-STD-45662.
- GN-7: Seller shall develop, implement, and maintain a FOD (foreign object debris) program that meets requirements of NAS412, as well as provide annual training to employees. Seller shall have a counterfeit part prevention program, and be a member of GIDEP, if eligible and take appropriate corrective actions and preventive actions on all suspect or defective material or suspect counterfeit parts reported by GIDEP alerts. Access to GIDEP can be viewed at www.dsp.lida.mil
- GN-8: Unless specifically approved by governing specification, during the manufacture or process of any item, Seller shall not repair any damaged item without buyer's written approval. Seller does not have MRB authority.

NORTHROP GRUMMAN

- Q-NGC-1: CERTIFIED FOR NATIONAL DEFENSE UNDER DPAS – This is a defense priorities and allocations system rated order. You are required to follow all the provisions of the Defense Priorities and Allocation System Regulation (15CFR700).
- Q-NGC-2: Record retention for critical parts tied to 2ZZP00006 shall be on file and maintained for 30 years. Record retention is expected at the site of manufacture of the critical part.
- Q-NGC-3: Employees who perform services under this order shall be citizens of the U.S., or a lawful permanent resident, and shall be able to provide certification of compliance upon request.
- Q-NGC-4: Northrop Grumman SQAR latest revision is incorporated by reference as the baseline and SQAR Supplement for the F-35 program latest revision. A copy of the SQARs can be obtained from the Northrop Website: <http://www.northropgrumman.com>
- Q-NGC-5: All special processes performed are to utilize the Lockheed Martin's QCS-001 for approved processors, located at: <HTTPS://LOCKHEEDMARTIN.COM>
- NGAS ASPL is used as a supplement for NGAS unique processors: <HTTPS://OASIS-ASPL.MYNGC.COM/>
- Q-NGC-6: Locked Down Planning Requirements:
- Manufacturer/supplier of a particular Fracture Critical and Maintenance Critical (F/M), Safety Critical Part or Mission- Abort Critical parts shall be responsible for preparation of their own manufacturing plans.
 - Operations of any type shall not begin on F/M Critical, Safety Critical Part or Mission- Abort Critical detail parts until the manufacturing plan has been conditionally or fully approved.
 - The Lock Down Planning will be submitted to PMC for review and submitted to Northrop Grumman in accordance with specification 2ZZP00006. Planning will contain all sequencing of manufacture.
- Q-NGC-7: Engineering First Article Evaluation (EFAE)



- The supplier/fabricator of the Fracture Critical, Safety Critical or Mission-Abort Critical part or component shall be responsible for ensuring completion of the EFAE and associated approval.
- Manufacturer shall include a step for EFAE in the manufacturing plan and submit the required product information for approval prior to processing in accordance with specification 2ZZP00006 and SQARSUP-0130.
- EFAE data will be submitted to PMC for review and submittal to Northrop for final approval prior to continuing operations.

Q-NGC-8: LMA-D0006 defines the use and contents of the LM Aero Engineering Materials and Approved Products (EMAP) database. The seller shall have access to the EMAP to ensure use of applicable materials and approved sources as required. The external LM Aero EMAP site can be accessed via EXOSTAR account. Atlas is able to provide all EMAP requested data to supplier.

BOEING

Q-BNG-1: In addition to the provision set forth in the Code of Basic Working Conditions and Human Rights in the contract, Seller further commits that any material violation of law by Seller relating to basic working conditions and human rights, including laws regarding slavery and human trafficking, applicable to Seller's performance under this Contract/ Agreement may be considered a material breach of this Contract/Agreement.

Q-BNG-2: Seller must provide a statement on the packing sheet certifying its quality assurance department has inspected the parts and they adhere to all requirements, applicable drawings/specifications. If Seller is located outside of the United States and they submit an EASA/JAA/FCAA FORM-Q the following shall be followed: Block 11: "NEW", Block 12 contains statement their quality has inspected the parts, and statement that it does not contain PMA, Prototype, and not to be used on certified aircraft, or any statement that does not support PC700 certifications. Block 13 certified that the items were manufactured in conformity to approved design data and in condition for safe operation.

Q-BNG-3: BOEING QUALITY MANAGEMENT SYSTEM REQUIREMENTS FOR SUPPLIERS TO HAVE RECORDS ON FILE FOR CALENDAR YEAR + 10 YEARS. , APPENDIX A Seller is required to maintain a quality system in conformance with Buyer's document D6-82479, 'Boeing Quality Management System Requirements for Suppliers', Appendix A, Quality Management Systems - Requirements for Aviation, Space and Defense Organizations and requirements for Boeing Recognition of Aviation, Space and Defense Quality Management System Accredited Certification/Registration to such document as each may be amended from time to time. Such document and appendix are incorporated herein and made a part hereof by this reference. Buyer reserves the right to conduct surveillance at Seller's facility to determine that Seller's quality system meets the requirements as set forth herein. A copy of Buyer's document D6-82479, including all appendices and addenda can be obtained at the following URL address: <http://www.boeingsuppliers.com/quality.html>



Q-BNG-4: Supplier shall comply with Boeing Form X31764 <http://www.boeingsuppliers.com/>
Supplier shall use D1-4426 for approved sources of special processes

Q-BNG-5: This procurement is under Boeing's Federal Aviation Administration (FAA) issued Production Certificate 700 quality system supplier control program. Unless explicit contractual direction is given to the contrary, no articles (or constituent parts thereof) ordered by Boeing Commercial Airplanes shall contain any Federal Aviation Administration- Parts Manufacturer Approval (FAA-PMA) markings and the accompanying paperwork (e.g., packages, shippers, etc.) shall not contain any FAA-PMA markings.

The Seller will place the following statement on the shipping documentation (acceptable to be a stamp, or label affixed to shipping documentation)

"The Seller hereby acknowledges that the parts and/or materials being shipped under this order are intended for use under Boeing's Federal Aviation Administration (FAA) issued Production Certificate 700 and no articles (or constituent parts thereof) or the accompanying paperwork (e.g., packages, shippers, etc.) contain any Federal Aviation Administration-Parts Manufacturer Approval (FAA-PMA) markings"

Q-BNG-6: Definition. 'Ozone-depleting substance,' as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR Part 82 as-- (1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or (2) Class II, including, but not limited to hydro chlorofluorocarbons. Seller shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as applicable: Warning Contains * _____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere. Warning Manufactured with * _____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere. * Seller shall insert the name of the substance(s).

Q-BNG-7: NOTIFICATION OF ESCAPEMENT (NOE) PROCESS:
Supplier shall notify Atlas of any suspect parts shipped that may be nonconforming. This applies to new or initial instances of an escape or potential escape, escapes, or potential escapes that were previously identified by Boeing but supplier has additional units
Supplier should provide within 3 days to Atlas and immediately if flight safety issue:

- Affected processes, products, part numbers, and names
- Description of the nonconforming condition and the affected engineering requirement
- Quantities, shipping dates, purchase orders and destinations
- Suspect/affected serial numbers or date codes, lot numbers, or other part identifiers

SUBMIT INFORMATION TO: melanie.leach@atlas-aerospace.com



CESSNA/TEXTRON

- Q-CES-1: Cessna Quality Requirements for Suppliers (P1 Supplier Quality Requirements) is applicable to this purchase order. <https://ww2.txtav.com/supplier>
- Q-CES-2: Supplier shall provide with each shipment a statement of conformity, signed by the person responsible for quality control, attesting that product was manufactured in accordance with all applicable consensus standards, government requirements, Textron Aviation and/or supplier design control documents, and functional test requirements. Appropriate supporting documentation shall be provided (material certifications, special process certifications, any deviations from engineering MRB, upon request supplier shall provide form ENG TXTAV 8130-9.) Supplier shall maintain evidence of conformance on file.

GULFSTREAM

- Q-GAC-1: A Certificate of Compliance is required and shall include the following:
Part Number with description, serial number when applicable, Manufacturer's or Processor's certification when applicable, Supplier's name and address, name and signature of Supplier's Quality Control Representative along with a State of Conformity. Objective evidence in the form of material certifications, processing certifications, and test reports as applicable shall be provided and maintained on file.
- Q-GAC-2: Suppliers of Build-to-Print items shall meet the minimum quality requirements of Gulfstream SQAR-0003 at the latest revision available. Distributors of aerospace parts and materials shall meet the minimum quality requirements of Gulfstream SQAR-0004 at the latest revision available.
- Q-GAC-3: Suppliers who manufacture items to Gulfstream design requiring the use of Gulfstream process specifications MUST only use those sources listed on the Gulfstream APL.

BELL HELICOPTER

- Q-Bell-1: Supplier shall maintain a QMS in compliance with the applicable requirements of the latest issue of the quality system standards for product or service being provided as well as with the applicable requirements of the SQRM-001 Bell Manual at its most current revision.
- Q-Bell-2: Supplier shall use only Bell approved process sources when "Facility Approval" is required by the process specification. Processes requiring Bell facility approval and Bell approved sources



for those processes are identified on the “Bell Approved Process Sources” listing located on the “Sell2Bell” portal, and now ENOVIA portal. All special process certifications shall include the revision level required by contract and engineering was performed.

Q-Bell-3: Where tooling is used as a Media of Inspection, in lieu of Bell engineering, it must be listed in the 299-099-003 “Approved Parts List, Tools Used as Media of Inspection.”

SPIRIT AEROSYSTEMS

Q-SP-1: Final acceptance for all detail parts and/or assemblies must include 100% inspection of temper (Conductivity and Rockwell Hardness) for aluminum alloys, and 100% Rockwell hardness inspection for steel and CRES alloys. Inspection of temper must be accomplished after the final machining operation on fully tempered material and/or the final heat treatment operation, where applicable. The required range must be listed along with the range of the measured values at the appropriate place on each work order and, where applicable, be transferred from process certifications. For clad materials, the type of instrument used to verify compliance must also be listed.

HONEYWELL

Q-Hwell-1: Honeywell requirements – The seller shall produce product in accordance with sections 1.0, 2.0 of the Honeywell SPOC Manual, Latest Revision.
All SPOCS identified in each of the following groups shall be met based on the seller’s alignment with the flowing groups per the SPOC manual.

- SPOC group 001 Manufacturer with Design Authority.
- SPOC group 002 – Manufacturer without Design Authority.
- SPOC group 003 –Standard and/or Catalog Hardware.

All SPOC Requirements shall be reviewed in the Seller’s Contract Review. The Purchaser may, at any time, require compliance with additional SPOC’s when contractually flowed down. These additional SPOC requirements will be flowed down individually through the contract from the Buyer to the seller.
During audits of the supplier by the Purchaser all applicable SPOCs will be reviewed for compliance.
Please contact buyer for requirements

Q-Hwell-2: A Certificate of Compliance is required and shall include the following:
Part Number with description, serial number when applicable, Manufacturer’s or Processor’s certification when applicable, Suppliers name and address, name and signature of Supplier’s Quality Control Representative along with a State of Conformity. Objective evidence in the form of material certifications, processing certifications, and test reports as applicable shall be provided and maintained on file.

Q-Hwell-3: Material certs and test certs must accompany each shipment and clearly reference the purchase order and line number shipped against.

Q-Hwell-4: All First Articles shall be in performed in accordance with the requirements of AS/EN/SJAC 9102. The preferred method of submittal of First Articles will be through Net Inspect.
www.netinspect.com

HAMILTON SUNDSTRAND

Q-HS-1 A Certificate of Compliance is required and shall include the following:



Part Number with description, serial number when applicable, Manufacturer's or Processor's certification when applicable, Suppliers name and address, name and signature of Supplier's Quality Control Representative along with a State of Conformity. Objective evidence in the form of material certifications, processing certifications, and test reports as applicable shall be provided and maintained on file.

- Q-HS-2 Material certs and test certs must accompany each shipment and clearly reference the purchase order and line number shipped against.
- Q-HS-3 All requirements of ASQR-01 apply. Obtained at the following address:
<http://www.utc.com/Suppliers/Pages/Aerospace-Supplier-Quality-Requirement-Documents.aspx>
- Q-HS-4 UPPAP required per ASQR-09.2. Obtained at the following address:
<http://www.utc.com/Suppliers/Pages/Aerospace-Supplier-Quality-Requirement-Documents.aspx>
- Q-HS-5 Suppliers that provide special processes or materials must be identified on the [HS report 85](#).
- Q-HS-6 This is a critical-to-quality (CTQ) part. The process control requirements of hsc16199 and hsm9 are in effect for this part number. Please Contact Customer for latest revisions.

WOODWARD

- Q-W-1 A Certificate of Compliance is required and shall include the following:
Part Number with description, serial number when applicable, Manufacturer's or Processor's certification when applicable, Suppliers name and address, name and signature of Supplier's Quality Control Representative along with a State of Conformity. Objective evidence in the form of material certifications, processing certifications, and test reports as applicable shall be provided and maintained on file.
- Q-W-2 Material certs and test certs must accompany each shipment and clearly reference the purchase order and line number shipped against.
- Q-W-3 WPQR-9100 Quality System Requirements for Woodward Suppliers. Please contact buyer for requirements.
- Q-W-4 PPAP required per WPQR-9102 SUPPLIER PPAP SUBMISSION CONTENT AND ACCEPTANCE REQUIREMENTS SPECIFICATION. Contact buyer for requirements.
- Q-W-5 Specialty Metals: Any Specialty Metal per defined in DFARS 252.225-7008a incorporated in articles delivered under this purchase order, shall be subject to DFARS 252.225-7008 Restriction on Acquisition of Specialty Metals and 252.225-7009 Restriction on Acquisition of Certain Articles Containing Specialty Metals. Reference DFARS 225.003 lists qualifying countries. Documents accompanying all shipments must contain a statement of compliance. Failure to do so may result in the rejection and return of the non-compliant hardware.
- Q-W-6 In the event this order is a rated order certified for national defense, emergency preparedness, and energy program use, the Supplier shall follow all the requirements of the Defense Priorities and Allocations System regulation (15 CFR 700). Supplier must accept or reject a rated order and transmit the acceptance or rejection in writing (hard copy), or in electronic format, within fifteen (15) working days after receipt of a DO rated order and within ten (10) working days after receipt of a DX rated order. If the order is rejected, the supplier must also provide the reasons for the rejection, in writing (hard copy) or electronic format.



RAYTHEON

- Q-Ray-1 A Certificate of Compliance is required and shall include the following:
Part Number with description, serial number when applicable, Manufacturer's or Processor's certification when applicable, Suppliers name and address, name and signature of Supplier's Quality Control Representative along with a State of Conformity. Objective evidence in the form of material certifications, processing certifications, and test reports as applicable shall be provided and maintained on file.
- Q-Ray-2 Material certs and test certs must accompany each shipment and clearly reference the purchase order and line number shipped against.
- Q-Ray-3 Applicable Raytheon quality clauses shall be individually identified on the purchase order to the seller. Quality clause definitions and requirements are available at <http://qnotes.raytheon.com/>.
- Q-Ray-4 This Purchase Order or RFP is subject to the prime contract flow downs Contained in FDA-2016.542. This document is available at <https://tandc.rms.raytheon.com>.
- Q-Ray-5 In addition to FDA-2016.542, the following clauses are also included:
- 52.203- 15 Whistleblower Protections under the American Recovery and Reinvestment Act of 2009
- 252.245-7004 REPORTING, REUTILIZATION, AND DISPOSAL (MAY 2013) the following mandatory flow downs are include in the prime contract and are included in Raytheon's standard terms and conditions. Buyer must receive concurrence from the supply chain Advisor prior to agreeing to deletion of any of the clauses listed below:
- 52.203-11 Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions.
- 52.203-12 Limitation on Payments to Influence Certain Federal Transactions.
- 52.203-13 Contractor Code of Business Ethics and Conduct
- 52.203-14 Display of Hotline Poster(s). 52:203-1.6 Preventing Personal Conflicts of interest
- 52.204-2 Security Requirements. 52.209-6 Protecting the Governments Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment.
- 52.211-15 Defense Priority and Allocation Requirements.
- 52.215-2 Audit and Records- Negotiation. 52.215-12 Subcontractor Certified Cost or Pricing Data.
- 52.215-18 Reversion or Adjustment of Plans for Postretirement Benefits (PRB) other Than Pensions.
- 52.215-19 Notification of Ownership Changes. 52.219-9 Small Business Subcontracting Plan.
- 52.222-21 Prohibition of Segregated Facilities. •
- 52.222-26 Equal Opportunity.



52.222-35 Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans.

52.222-36 Affirmative Action for Workers with Disabilities.

52.222-37 Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans.

52.222-50 Combating Trafficking in Persons.

52.222-54 Employment Eligibility Verification

52.225-13 Restrictions on Certain Foreign Purchases.

52.227-1 Authorization and Consent.

52.227-2 Notice and Assistance Regarding Patent and Copyright Infringement.

52.227-10 Filing of Patent Applications Classified Subject Matter.

52.230-2 Cost Accounting Standards. 52.230-6 Administration of Cost Accounting Standards.

52.232-22 limitation of Funds.

52.244-6 Subcontracts for Commercial items.

252.203-7001 Prohibition on Persons Convicted of Fraud or Other Defense--Contract- Related Felonies.

252.203-7004 Display of Fraud Hotline Poster(s).

252.204-7015 DISCLOSURE OF INFORMATION TO LITIGATION SUPPORT CONTRACTORS (FEB 2014)

252.211-70031 Item Identification and Valuation.

252.225-7006 Quarterly Reporting of Actual Contract Performance Outside the United States.

252.225-7008 Restriction on Acquisition of Specialty Metals (Applicable to Purchase Orders for the delivery of specialty metals as end items.).

252.225-7009 Restriction on Acquisition of Certain Articles Containing Specialty Metals.

252.225-7012 Preference for Certain Domestic Commodities.

252.225-7016 Restriction on Acquisition of Ball and Roller Bearings.

252.225-7030 Restriction on Acquisition of Carbon, Alloy, and Armor Steel Plate.

252.226-7001 Utilization of Indian Organizations, Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns.

252.227-7013 Rights in Technical Data Noncommercial Items.



252.227-7014 Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation.

252.227-7016 Rights in Bid or Proposal Information.

252.227-7019 Validation of Asserted Restrictions Computer Software.

252.227-7037 Validation of Restrictive Markings on Technical Data. 252.227-7038 Patent Rights & Ownership by the Contractor (Large Business).

252.231-7000 Supplemental Cost Principles.

252.242-7005 Contractor Business System 252.244-7000 Subcontracts for Commercial Items and Commercial Components (DoD Contracts). 252.246-7003 Notification of Potential Safety Issues.

252.247-7023 Transportation of Supplies by Sea.

ROCKWELL COLLINS

- Q-RC-1 All requirements of RC9000 apply. Obtained at the following address:
<https://portal.rockwellcollins.com/web/suppliers>
- Q-RC-2 A Certificate of Compliance is required and shall include the following:
Part Number with description, serial number when applicable, Manufacturer's or Processor's certification when applicable, Suppliers name and address, name and signature of Supplier's Quality Control Representative along with a State of Conformity. Objective evidence in the form of material certifications, processing certifications, and test reports as applicable shall be provided and maintained on file.
- Q-RC-3 Material certs and test certs must accompany each shipment and clearly reference the purchase order and line number shipped against.

VIASAT

- Q-VST-1 All requirements of PR000512 along with all referenced documents apply for the following QAPPs as referenced on the face of the PO.
QAPP (Class) – x(A), 5(I), 8(I), 12A(UI), 15(I), 24(A), 25(A), 35A(UI), 39(A), 44(A), 51(A), 54(A), 55(I), 57(A), 62(I).

Links:

PR000512 - <https://www.viasat.com/supplier-quality-documents> PR001076 -
<https://viasat.widencollective.com/portals/8hvj7i1I/ViasatSupplierTermsandConditions>
070-QA-044 - <https://www.viasat.com/supplier-quality-documents>
PR000565 - <https://www.viasat.com/supplier-quality-documents>



