

# 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	Changed BNG – 4 to most current for X31764 form. ADDED: BNG 8-9, Changed GN-1 to method of submittal shall be through Net Inspect.	Melanie Leach	10/24/19
D	Added BNG – 10 for packaging requirements	Melanie Leach	1/12/23
E	Updated GN 3 to include competence.	Melanie Leach	3/22/24
F	Updated GN 1 to clarify expectations, added Q-SP-2 to flow-down Spirit FAI requirements specific to Spirit	Melanie Leach	8/23/24
G	Added Q-BNG-11 through Q-BNG-21, updated GN-6 to expound upon the required document information associated with calibration, updated GN 7 to specify AS9146 for Boeing, Updated BNG 5, Updated BNG 7, Updated BNG 3, Updated BNG 4	Melanie Leach	12/2/24
H	Added Q-GAC-4 in relation to the required Adobe version. Added Q-BNG-21-23, added GN-9-10.	Melanie Leach	2/24/25

**Quality Note Abbreviations and Definitions Shown Below**

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

<u>Q-Ray</u>	Raytheon
<u>Q-RC</u>	Rockwell Collins
<u>Q-VST</u>	Viasat

## GENERAL NOTES

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- GN-1: All First Articles shall be performed in accordance with the requirements of AS/EN/SJAC 9102. The method of submittal of First Articles shall be through Net Inspect. [www.netinspect.com](http://www.netinspect.com)  
The FAI and supporting documentation shall be required upon receipt of product.
- 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. Ensure that all persons are competent, trained, and qualified to be performing their specific jobs.
- GN-4: Periodic testing by a 3<sup>rd</sup> 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. The documented information must be retained as evidence of monitoring and measurement of equipment calibration. The retained documentation must include the required calibration register elements defined in the AQMS standard and the results of the calibration.
- GN-7: Seller shall develop, implement, and maintain a FOD (foreign object debris) program that meets requirements of NAS412, (for Boeing IT SHALL MEET AS9146 for requirements) 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.gidep.org/gidep.htm](http://www.gidep.org/gidep.htm)
- 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.
- GN-9: Data sampling is **not** allowed unless communicated through Atlas Aerospace for approval. Any sampling that has documented approval from Atlas Aerospace shall be in compliance with AS9138. This standard can be obtained from SAE International at: <http://standards.sae.org> sampling requirements.
- GN-10: When Supplier delegates product verification, Supplier must conform to the requirement of AS/EN/SJAC 9117, "Delegated Product Release Verification."

## NORTHROP GRUMMAN

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- 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 internet site as follows:
- Subcontractors: <https://elli.lmtas.com/eps/subcontractor/aspfiles/dsdsehome.asp>
- Distributors: <https://elli.lmtas.com/eps/distributor/aspfiles/dsdsehome.asp>

## **BOEING**

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- 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. OR WHEN THE SELLER IS LOCATED OUTSIDE OF THE UNITED STATES AND THEY SUBMIT AN EASA/JAR/FCAA FORM-1, THE FOLLOWING CONDITIONS MUST EXIST ON THE FORM: 1. BLOCK 11 STATUS IS IDENTIFIED AS 'NEW' AND 2. BLOCK 12 TITLED 'REMARKS' CONTAINS A STATEMENT CERTIFYING THE SELLER'S QUALITY ASSUANCE DEPARTMENT HAS INSPECTED THE PARTS. AND 3. BLOCK 12 TITLED 'REMARKS' DOES NOT CONTAIN CERTIFICATION STATEMENTS OF, PROTOTYPE, NOT TO BE INSTALLED ON CERTIFIED AIRCRAFT, OR ANY STATEMENT THAT DOES NOT SUPPORT PC700 CERTIFICATION. AND 4. BLOCK 13a 'CERTIFIES THAT THE ITEMS IDENTIFIED ABOVE WERE MANUFACTURED IN CONFORMITY TO: APPROVED DESIGN DATA AND ARE IN CONDITION FOR SAFE OPERATION'
- Q-BNG-3: BOEING QUALITY MANAGEMENT SYSTEM REQUIREMENTS FOR SUPPLIERS, 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. D6-87282 Quality Management System Requirements specifies applicable requirements for Boeing Product Suppliers that are in addition to the D6-82479 requirements.
- Q-BNG-4: SELLER SHALL COMPLY WITH THE REQUIREMENTS OF the most current FORM X31764 BOEING QUALITY PURCHASING DATA REQUIREMENTS when required by PO or contract <http://www.boeingsuppliers.com/> SUPPLIER WILL USE D1-4426, 'BOEING APPROVED PROCESS SOURCES', AND FURNISH TEST REPORTS AND PROCESSOR CERTIFICATION WITH EACH SHIPMENT.
- 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 OF ALL SHIPMENTS TO BOEING: '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.' THE PREFERRED LOCATION FOR THE STATEMENT IS ON THE SHIPPING DOCUMENT, NEXT TO, OR FOLLOWING, THE CERTIFICATE OF CONFORMANCE (C of C). THE STATEMENT MAY BE PRINTED, STAMPED OR ATTACHED AS A LABEL OR STICKER TO THE SHIPPING DOCUMENTATION. IT IS ALLOWABLE TO REPLACE 'Seller' WITH THE COMPANY NAME OR 'WE'.

For PC700 products that have Direct Ship of product where Boeing has authorized source acceptance delegation: "THE SUPPLIER WILL PLACE THE FOLLOWING STATEMENT ON ALL SHIPPING DOCUMENTS: It is hereby certified that (A) the parts and/or materials reflected herein were produced under FAA approved manufacturing and QC systems/methods as set



forth in FAA Production Certificate NO. 700 issued to The Boeing Company and (B) Such parts and/or materials are new and in airworthy condition.

SIGNED

SUPPLIER QUALITY ASSURANCE TITLE

IF SUPPLIER HAS BEEN DELEGATED INSPECTION AUTHORITY PLACE FOLLOWING STATEMENT ON PACKSLIP "Delegated Boeing inspection authority has been granted for this supplier."

Regulatory Approvals: For aircraft regulated by Civil Aviation Authorities, regulatory approval may be required for Seller to make direct sales of modification or replacement parts to owners/operators of type-certificated aircraft. Regulatory approval, such as FAA PMA, is granted by Civil Aviation Authorities. Seller agrees not to engaged in any such direct sales of Products or Services under this agreement.

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 for NONCONFORMANCE (section 1) NONCOMPLIANCE (section 2)

SELLER SHALL PROVIDE WRITTEN NOTIFICATION TO Atlas WHEN A NONCONFORMANCE IS DETERMINED TO EXIST, OR IS SUSPECTED TO EXIST, ON PRODUCT ALREADY DELIVERED TO Atlas. WRITTEN NOTIFICATION SHALL INCLUDE:  
A - AFFECTED PROCESS (ES) OR PRODUCT NUMBER(S) AND NAME(S)  
B - DESCRIPTION OF THE NONCONFORMING CONDITION AND THE AFFECTED ENGINEERING REQUIREMENT (I.E., WHAT IT IS AND WHAT IT SHOULD BE and if it is a possible safety of flight issue)  
C - QUANTITIES, SHIPPING DATES, PURCHASE ORDERS AND DESTINATIONS OF DELIVERED SHIPMENTS  
D - SUSPECT/AFFECTED SERIAL NUMBER(S) OR DATE CODES, LOT NUMBERS, OR OTHER PART IDENTIFIERS AND AIRPLANE LINE UNITS WHEN APPLICABLE.  
NOTIFICATION MUST OCCUR WITHIN THREE (3) BUSINESS DAYS after day of discovery.  
**HOWEVER, IF THE CONDITION IS POSSIBLE SAFETY OF FLIGHT, SUBMIT ALL AVAILABLE INFORMATION IMMEDIATELY.**

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

DEN (DESIGN ESCAPEMENT NOTIFICATION): (NONCOMPLIANCE)  
FOR PRODUCT DELIVERED WHICH HAD BEEN DETERMINED TO CONTAIN ENGINEERING ERRORS: SELLER SHALL PROVIDE WRITTEN NOTIFICATION TO Atlas WITHIN THREE (3) BUSINESS DAYS WHEN IT IS DETERMINED THAT PRODUCT SHIPPED, WHILE MEETING THE SUPPLIER PRODUCT DEFINITION, DOES NOT MEET, OR IS SUSPECTED TO NOT MEET, THE AIRPLANE DESIGN REQUIREMENTS.  
WHEN THE FOLLOWING IS KNOWN, WRITTEN NOTIFICATION SHALL INCLUDE:  
- AFFECTED PROCESS OR PRODUCT NUMBER AND NAME  
- DESCRIPTION OF THE PROBLEM (I.E., WHAT IT IS AND WHAT IT SHOULD BE)  
- QUANTITY, DATES, PURCHASE ORDERS AND DESTINATION OF SHIPMENT DELIVERED  
- SUSPECT/AFFECTED SERIAL NUMBER(S) OR DATE CODES, and lot numbers.



- Q-BNG-8: PARTS RETURNED TO THE SUPPLIER UNDER THIS ORDER FOR REWORK/REPAIR WILL BE ACCOMPANIED BY PROOF OF SUPPLIER'S INSPECTION ACCEPTANCE WHEN RESUBMITTED TO BOEING. WHEN NO FAULT IS FOUND BY THE SUPPLIER FOR NON-CONFORMING PRODUCT(S), THE ORDER WILL BE ACCOMPANIED BY PROOF OF SUPPLIER'S TEST DATA AND INSPECTION ACCEPTANCE. RESUBMITTED PARTS WILL ALSO BE ACCOMPANIED BY A COPY OF OR REFERENCE TO THE APPLICABLE BOEING NONCONFORMANCE DOCUMENT(S). Boeing requires that the provisions/requirements set forth above be included in Sellers direct supply contracts as well as the obligation that they be flowed to the sub-tier supply chain. For purposes of this note, Supply Chain means Seller's direct network of suppliers providing material, equipment, information, and services integrated into products and services."
- Q-BNG-9: "SELLER SHALL MAINTAIN, AND HAVE AVAILABLE ON A TIMELY BASIS, QUALITY RECORDS TRACEABLE TO THE CONFORMANCE OF PRODUCT/PART NUMBERS DELIVERED TO BOEING. SELLER SHALL MAKE SUCH RECORDS AVAILABLE TO REGULATORY AUTHORITIES AND BOEING'S AUTHORIZED REPRESENTATIVES. SELLER SHALL RETAIN SUCH RECORDS FOR CALENDAR YEAR + 10 YEARS FROM THE DATE OF SHIPMENT UNDER EACH APPLICABLE ORDER FOR ALL PRODUCT/PART NUMBERS UNLESS OTHERWISE SPECIFIED ON THE ORDER. At the expiration of such period set forth above and prior to any disposal of records, Seller will notify Boeing of records to be disposed of and Boeing reserves the right to request delivery of such records. In the event Boeing chooses to exercise this right, Seller shall promptly deliver such records to Boeing at no additional cost on media agreed to by both parties. Boeing requires that the provisions/requirements set forth above be included in Sellers direct supply contracts related to the Products/Part Numbers. Supply Chain shall mean network of material, equipment, information, and services integrated into products and services for the ultimate customer."
- Q-BNG-10: D37522-6 Supplier Packaging is the intended primary packaging standard for use by all suppliers providing product to The Boeing Company. D73522-6 shall be referenced in all purchase documents as a supplier packaging requirement.
- Q-BNG-11: Seller/Supplier must compile and maintain single source of documented information and refer to it as a Quality Manual. The QM must include a description of the QMS and contain or make reference to the documented information and associated aviation, space, and defense industry requirements contained within AQMS.
- Q-BNG-12: If Seller uses an Operator Self-Verification (OSV) program, the seller must comply with AS/EN/SJAC 9162.
- Q-BNG-13: Seller must ensure that all of the control activities listed within the AMS standard are applicable and addressed within the Seller's processes for control of documented information.
- Q-BNG-14: Seller will not and will ensure supply chain will not, initiate a Work Transfer without Boeings prior written approval. Seller will complete and submit Boeing form X35781 "Supplier Initiated Work Transfer Notification" (including required implementation plans). Seller acknowledges the Work-Transfer approval process may take 120 M-days.
- Q-BNG-15: When directed by Boeing, seller will comply with and flow down to its Supply Chain the requirements of Boeing Form X38656, "Advanced Product Quality Planning (APQP) & Production Part Approval Process (PPAP)"
- Q-BNG-16: Boeing Design Digital Product Definition (DPD) approval is required per Document D6-51991.
- Q-BNG-17: When Seller delegates product verification, Seller must conform to the requirements of AS/EN/SJAC 9117 "Delegated Product Release Verification"





- Q-BNG-18: Whenever applying statistical sampling methods as a means to ensure product article, or service conformance, it shall be in compliance with AS9138 "Aerospace Series – Quality Management Systems Statistical Product Acceptance Requirements." The plan will include  
Minimum protection levels as defined within AS9138 Table A1  
C=0 criteria as defined with AS9138 section 3.11  
Sampling restrictions are contained with AS9138. Section 4.3  
Sampling requirements and/or prohibitions contained within the approved part/product Design.
- Q-BNG-19: Supplier must control all inventory of Boeing proprietary product that is in excess of contract qty in order to prevent product from being sold or provided to any 3<sup>rd</sup> party without written authorization. Supplier must have traceability to original PO that authorized manufacture of the product when requested by Boeing.
- Q-BNG-20: Seller shall be compliant with Boeing documents D6-82479 and D6-87282 along with any specific PO notes flowed.
- Q-BNG-21: Supplier must ensure their internal processes address the use of Customer/Engineering authorized manufacturers and/or designated sources (e.g. Qualified Product List {QPL}) and they must ensure that retained documented information is validated prior to the release of products and the documented information includes traceability to the designated source.
- Q-BNG-22: When Supplier utilizes test reports to accept raw material from External Providers, the following requirements apply:  
a) Test reports must be checked 100% against Supplier's requirements and applicable specifications.  
b) Validation test requirement: Supplier must periodically validate test reports for raw material accepted on the basis of test reports. That validation must be accomplished by Supplier or other independent party through periodic, scheduled tests of raw material samples. Schedules for frequency of tests will be established by Supplier based on historical performance of the raw material provider/manufacturer.  
c) Supplier must retain test reports provided by the raw material provider/manufacturer, as well as Supplier's validation test report results as quality records traceable to the conformance of Goods, as specified elsewhere in this contract.
- Q-BNG-23: Supplier must comply with the AS/EN/JISQ 9100 requirements and 14CFR Part 21.2 regarding the application of the Acceptance Authority Media (AAM) requirements. Supplier must ensure that within its own organization and supply chain, that the use of AAM is clearly defined within its QMS. Supplier must be able to demonstrate evidence of communication to its employees and supply chain; use of AAM must be considered as a personal warranty of compliance and conformity. Supplier must maintain compliance to the AAM requirements by assessing its process and supply chain as part of its internal audit activities.

**CESSNA/TEXTRON**

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- Q-CES-1: Cessna Quality Requirements for Suppliers (CQRS) is applicable to this purchase order. Supplier is responsible for ensuring compliance to the latest revision of CQRS, which can be found at [supplier.cessna.com](http://supplier.cessna.com).
- 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**

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- 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.
- Q-GAC-4: All suppliers are required to migrate to Adobe Acrobat 2024.003 in adherence to GER-7818.

## **BELL HELICOPTER**

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- 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**

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- 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.

Q-SP-2: All First Articles that have Spirit Aerosystems as the end customer are required to be compliant with Spirit MAA1-10042-2 First Article Requirements.

## **HONEYWELL**

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- 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](http://www.netinspect.com)

## **HAMILTON SUNDSTRAND**

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- 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**

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- 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**

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- 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.

52222-54 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)

252.211-7003 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**

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- 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**

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- 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/8hjv7i1l/ViasatSupplierTermsandConditions>

070-QA-044 - <https://www.viasat.com/supplier-quality-documents>

PR000565 - <https://www.viasat.com/supplier-quality-documents>

