

SUPPLIER QUALITY CLAUSES

SUPPLIER QUALITY SYSTEM REQUIREMENTS		
Clause	Category	Requirement Text
Q1	Quality System	<p>The supplier must have a documented and third party accredited system (as applicable) in accordance with the current revision of one or more of the following Quality Management Systems (QMS) approvals:</p> <ul style="list-style-type: none"> a) AS/EN 9100 (Manufacturing) b) ISO 9001 (Manufacturing) c) AS/EN 9120 (Distribution) d) AC7004 (Processing) e) Customer Directed Source
Q2	Statistical Process Control	<p>The product / process has been identified as requiring SPC methods in support of customer or ALATUS quality system requirements. The supplier is required to flow down this requirement should any feature generation on a key characteristic be subcontracted to another source. The supplier is required to provide requested inspection variables data as identified via purchasing documentation in support of SPC. When specified by purchase order or delivery receipt, the supplier will submit two copies of required SPC control charts to verify process capability (i.e. X Bar & R charts, X Moving Range Charts, etc.) at no additional charge to ALATUS. The supplier shall maintain a QMS in accordance with AS9103 at a minimum. The supporting records shall be maintained on file for review by ALATUS and / or our customers inclusive of regulatory agencies.</p> <p>Identified Key Characteristics are noted within the applicable drawing</p>
Q3	Calibration Services	<p>Supplier must possess a current and valid third-party assessment to ISO/IEC 17025 (current revision). Suppliers calibration system shall be in compliance with ANSI / NCSL Z540-1-(current revision) "Calibration System Requirements". And be certified to ISO 10012- 1 and ISO Guide 25 (current revision). The supplier shall maintain calibration records on file available for ALATUS review upon request. The supplier shall provide certification traceable to the National Institute of Standards and Technology (formerly known as National Bureau of Standards) and shall identify whether the item was found to be within or outside the manufacture's specification. The certification shall be dated and signed by a responsible individual whose signature can be considered binding for supplier's company.</p>

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SUPPLIER PROCESS APPROVALS		
Clause	Category	Requirement Text
Q4	Process Approval	The processes being procured do not require ALATUS customer or NADCAP Approval. The supplier must ensure that the processes being performed comply with the entirety of the requirements as documented on the governing specification and any specific flow down from ALATUS. The processes are subject to Supplier Process Reviews.
Q5	Special Processes	<p>Contracted services require the utilization of supplier approved by ALATUS customer for the intended process in conjunction with the noted level of approval. If the supplier has received this order and is not approved by both parties to perform the required process, you must contact ALATUS immediately to arrange return of the product. Outsourcing of processes strictly prohibited without the written consent of ALATUS. Failure to comply with this requirement will be subject to non-payment and rework at an approved facility at the supplier's expense.</p> <ul style="list-style-type: none"> a) Supplier is required to have OEM Customer and NADCAP approval for the process b) Supplier is required to have OEM Customer approval for the process c) Supplier must have ALATUS and/or OEM customer procedure / technique approval in support of the process. d) Supplier must have ALATUS and/or customer approval procedure / technique approval in support of the process which uniquely identifies the part number

PRODUCT RELEASE REQUIREMENTS		
Clause	Category	Requirement Text
Q6	Source Inspection	<p>ALATUS quality representative(s) shall perform evaluation / acceptance of product at the supplier's facility. This will include surveillance of the products and suppliers systems, procedures, and facilities. Notification should be given to ALATUS at least seven days prior to supplier's estimated final inspection activities to allow scheduling of the visit.</p> <p>The supplier shall furnish, at no cost, the necessary facilities and equipment, data and tests required by applicable drawings, specifications, and inspection instructions. Notwithstanding, all items shall be subject to inspection and acceptance by ALATUS and / or ALATUS customer representative at ALATUS plant. Evidence of source surveillance shall accompany each shipment. Source inspection acceptance does not constitute final acceptance and does not relieve the supplier of the responsibility to conform to all of the requirements of the purchase order. Final Acceptance of product is reserved for ALATUS or its Customers.</p>

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PRODUCT RELEASE REQUIREMENTS		
Clause	Category	Requirement Text
Q7	Government / Customer Source Inspection	<p>a) Mandatory government inspection is required prior to shipment from the supplier's plant. Supplier shall promptly notify the government representative who services the supplier so that appropriate planning for government inspection can be accomplished. On receipt of this order, supplier shall promptly furnish a copy to the government representative who normally services your plant. In the event the representative or office cannot be located contact ALATUS immediately.</p> <p>b) Government / Customer / Regulatory Agencies Access Clause: During performance of the purchase order or delivery receipt, your quality control or inspection system and manufacturing process may subject to review, verification and analysis by authorized government / customer representatives. Government / customer inspection, or release of products prior to shipment, is not required unless otherwise notified. A copy of the purchase order or delivery receipt will be furnished to the government / customer representative upon request.</p>
Q8	Delegated Inspection Authority	<p>The supplier is authorized to release product without ALATUS source inspection. The supplier must comply with the requirements stated within the Delegated Inspection Approval requirements as authorized by ALATUS.</p> <p>The following level of approval is granted for the currently issued Purchase Order.</p> <p>a) Drop shipment of product directly to ALATUS customer is authorized in accordance with the Delegated Inspection Approval Letter.</p> <p>b) Dock-to-stock shipments are authorized to ALATUS facility.</p>
Q9	Receiving Inspection Required	<p>Product is authorized for release from the supplier's facility upon completion and in accordance with the agreed upon delivery date. Product will be subject to receiving inspection at destination and will be subject to rejection upon the discovery of any nonconformances. All supplier identified nonconformances must be cleared prior to shipment of product to ALATUS facilities unless otherwise authorized in writing by the governing organization.</p>

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OUTSOURCE REQUIREMENTS		
Clause	Category	Requirement Text
Q10	Manufacture Complete	<p>The supplier is to fabricate / manufacture the product in its entirety in accordance with:</p> <ol style="list-style-type: none"> 1) Engineering drawings requirements 2) Noted Specifications for all processing inclusive of all material processing, e.g. heat treat, NDT, surface treatments, etc., unless specifically modified by purchasing 3) Any applicable notes or comments will be flowed down on the Purchase Order <p>“SPECIAL ATTENTION IS TO BE GIVEN TO FABRICATION SPECIFICATIONS”</p> <ol style="list-style-type: none"> a) The supplier is required to submit planned manufacturing / processing routers for review and approval prior to initiation of production. The approved plan is considered “Frozen” and cannot be changed without review and re-approval by ALATUS or its customer. b) The supplier is authorized to proceed with fabrication / processing without review of the planned process.
Q11	Machine Only	<p>Supplier is required to machine contracted product less any processing unless specifically modified by the purchasing documentation. Machining practices must be in accordance with engineering drawing requirements inclusive of “Fabrication Specifications” identified through the engineering drawing. Any deviations from the governing specifications must be submitted to ALATUS MRB for approval prior to shipment</p> <p>“SPECIAL ATTENTION IS TO BE GIVEN TO FABRICATION SPECIFICATIONS”</p> <ol style="list-style-type: none"> a) Supplier is required to submit planned routers for review and approval prior to initiation of production. The approved plan is considered “Frozen” and cannot be changed without review and re-approval by ALATUS or its customer. b) Supplier is authorized to proceed with machining without review of the planned process.
Q12	ALATUS Furnished Material	<p>Raw Material has been issued in support of the purchase order. The supplier may not replace or substitute furnished material without written consent from ALATUS. In the event that replacement or substitution is allowed, the supplier must submit associated raw material certification for review and acceptance prior to utilizing the material in production.</p> <p>Supplier is required to maintain traceability and accountability of all materials furnished. Any loss /scrap of material must be documented and forwarded to ALATUS on the Supplier Deviation Request (SDR) for proper disposition by ALATUS MRB within (5) business days of loss/scrap.</p> <p>ALATUS may debit the supplier for the full value of the loss or scrap at ALATUS Management sole discretion</p>

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OUTSOURCE REQUIREMENTS		
Clause	Category	Requirement Text
Q13	Supplier Furnished Material	<p>The supplier is hereby required to procure raw material(s) in support of the purchase order. Raw materials procured must be in strict accordance with the associated customer engineering drawing requirements.</p> <p>Materials, when listed on a Qualified Producer's List (QPL), within the subordinate specification must be procured from the listed sources. When customer directed sources are required, this information will be provided in writing.</p>

RAW MATERIAL REQUIREMENTS		
Clause	Category	Requirement Text
Q19	Raw Material – Full Mill Certification – First Article	<p>First Article shipment of material under the purchase order must be accompanied by a certification of conformance containing appropriate chemical and physical test data at no additional charge to ALATUS that verifies compliance with the specifications listed on the drawing or on the purchase order. The certification shall be dated and signed by a responsible individual whose signature can be considered binding for the supplier. Failure to include the certification with the shipment will classify the supplier's product as nonconforming, resulting in the return of the material at supplier's expense at ALATUS Management discretion.</p>

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INSPECTION REQUIREMENTS		
Clause	Category	Requirement Text
Q20	First Article Required	<p>An approved First Article (FAI) is required to be on file using AS9102 format in accordance with SQRM Section 14 and SQR-001 Supplier First Article Completion Requirements (alatusaero.com). Note: SQR-001 requires a full build package to be sent with FAIs, see Section 9 Appendix A.</p> <p>a) FAI is required if there is a lapse in production that exceeds two (2) years or whenever ANY process, facility, or methods of manufacture or inspection method are changed for any reason. Delta FAI may be required for revision changes to governing documents contact ALATUS for instructions for ANY revision changes</p> <p>b) When the contracted product includes processing (such as paint or plating), the supplier shall deliver the part to ALATUS after machining and prior to any final processing in order to verify the FAI dimensional report unless otherwise specified in the purchase order. The First Article Report accompanying the part shall be complete up to that point and will not be signed by ALATUS upon acceptance/rejection until the finished product is inspected after processes and the full First Article Report is complete. ALATUS will instead notify the supplier with the interim acceptance/rejection when the part is returned for completion via other methods (e.g., e-mail). Certifications must match the detail part number for which the Engineering data calls out (e.g., shot peen on the detail part number and paint on the assembly part number).</p> <p>c) BAE-specific requirements are:</p> <p>Notwithstanding the provisions for waiver of "First Article", an additional "First Article" sample or portion thereof may be ordered by the contractor in writing when:</p> <ul style="list-style-type: none"> • A Class 1 major change is made to the technical data or data pack. • Whenever there is a lapse in production for a period in excess of 180 days. • Whenever a change occurs in the manufacturing facility, place of performance, manufacturing process, material used, drawing, specification or source of supply • First Article Inspection may be further required as a result of a Modification Proposal Form (MPF) which would be raised to manage a change. <p>When the conditions above occur, the supplier shall notify ALATUS in writing so that a determination can be made concerning the need for an additional "First Article" sample or portion thereof and instructions provided concerning the submission, inspection and notification of results.</p> <p>In cases where an additional First article sample for Titanium castings applies a 5-piece dimensional study will be performed.</p>

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INSPECTION REQUIREMENTS		
Clause	Category	Requirement Text
Q21	Supplier – Deliverable Inspection Report	<p>The supplier shall provide with each shipment a detailed written inspection and test reports for dimensional and test characteristics. Inspection / testing reports shall, as a minimum, include the following information.</p> <ol style="list-style-type: none"> 1) Suppliers name, 2) Purchase order or delivery receipt number, 3) Drawing or plan revision level, 4) Quantity inspected 5) Quantity accepted (list serial numbers when applicable,) 6) Quantity rejected (list serial numbers when applicable,) 7) Characteristics inspected.

CERTIFICATION REQUIREMENTS		
Clause	Category	Requirement Text
Q22	Certification of Conformance (C of C)	<p>Suppliers shall provide a Certificate of Conformance (C of C) indicating part number, revision level, serial number(s) (as applicable), Purchase Order number and a statement assuring that all work performed in connection with the purchase order conforms to requirements therein. The C of C may be a separate document or included on the packing sheet providing all of the mandatory information is displayed. The supplier's Quality management or designee must sign and/or stamp this document.</p> <p>All information flowed down through the purchasing documentation, in respect to Process/Fabrication Specification configuration levels and or referenced supplier procedure/technique sheets must be annotated on the Certificate of Conformance</p> <p>The C of C shall indicate full forward and backward traceability supporting the documentation supplied utilizing the heat lot number, batch number, serial number(s), ALATUS work order number (if listed), supplier to sub-tier P.O. number, certificate number or other appropriate method that will insure a positive unbroken chain directly traceable to the materials or processes supplied to ALATUS. C of C without the required traceability information will be subject to rejection and disposition at ALATUS Management sole discretion.</p>
Q24	Heat Treat Reports	<p>Each shipment shall be accompanied, at a minimum, by a legible and reproducible copy of the detailed heat treatment cycle used. Details to include date, time, temperature, quench method and 100% NDT hardness check if thermal treatment is to achieve final drawing requirements. The report must contain the signature and title of the authorized representative of the agency performing the tests and inspections.</p>

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PACKAGING REQUIREMENTS		
Clause	Category	Requirement Text
Q28	Packaging and Protection	Supplier shall ensure that parts are suitably wrapped, boxed, or racked to guard against shipping damage, and apply rust or corrosion protection as required.
Q29	Government Packaging	Preserve, package, mark, document and ship in accordance with contract instructions, complete and distribute DD250 per contract instructions. Government inspection is required prior to shipment from the supplier. Upon receipt of the purchase order, the supplier shall promptly notify the government representative who normally services the facility, so that the appropriate planning for government inspections can be accomplished. Required "PQA" of listed items has been performed, S0512A

CHEMICALS / SHELF LIFE MATERIALS		
Clause	Category	Requirement Text
Q30	Shelf Life	The supplier shall identify each container of material with the date of manufacture and shelf life, type of material, lot or batch number and other pertinent data. Failure to submit this data shall result in rejection of the material. Material which does not show at least ¾ of the indicated shelf life upon arrival at ALATUS will not be accepted.
Q31	Material Safety Data Sheets	All chemicals or shelf life materials must be accompanied by a Material Safety Data Sheet (MSDS). Failure to supply the required documents may result in return of the product at no additional cost to ALATUS.

NET INSPECT REQUIREMENTS		
Clause	Category	Requirement Text
Q32	Net Inspect	<ul style="list-style-type: none"> a) When an FAI report is required per Q20, the FAI report shall be submitted to ALATUS using the Net Inspect First Article Inspection module and approved by ALATUS Quality before the product is shipped to ALATUS. b) The documents required by the Purchase Order (e.g., Certificate of Conformance, Process Certificates, Material Certificates, etc.) shall be submitted to ALATUS using the Net Inspect eSource module before the product is received at ALATUS.

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BOEING UNIQUE REQUIREMENTS		
Clause	Category	Requirement Text
Q33	Application of Acceptance Authority Media (AAM)	<p>Supplier shall comply with AS9100 requirements and 14CFR Part 21.2 regarding the application of the Acceptance Authority Media (AAM) requirements. Supplier shall ensure that the use of AAM within its organization and supply chain is clearly defined within its Quality Management System (QMS). Supplier shall be able to demonstrate upon request evidence of communication to its employees and to its supply chain that the use of AAM must be considered as a personal warranty of compliance and conformity. Supplier shall maintain compliance to the AAM requirements by assessing its process and supply chain as part of its internal audit activities. The areas of focus of this assessment shall include but not be limited to:</p> <ol style="list-style-type: none"> 1) Authority Media Application Errors (i.e., Omission, Typos, Legibility, etc.) 2) Authority Media Application Untimely Use (i.e., Documentation is not completed as planned, "Stamp/Sign as you go", etc.) 3) Authority Media Application Misrepresentation (i.e., uncertified personnel, Falsification of documentation, Work not performed as planned, etc.) 4) Authority Media Application Training Deficiencies (i.e., Ethics, Culture awareness, Proper Use of authority media, etc.)
Q34	D1-4426 Special Processes	<p>Any / all processes must be performed by Boeing approved sources per D1-4426. Accessing D1-4426 via the web is the only acceptable method to maintain compliance to Boeing requirements. Processing shall be performed to the latest revision as defined in D1-4426 Approved Processor List web page can be found at the following URL: http://www.boeing.com/companyoffices/doingbiz/d14426/</p> <p>The PSDS Accountability pages site can be found at the following URL: http://www.boeing.com/companyoffices/doingbiz/bps/</p>
Q35	D6-51991 – Digital Data Requirements	<p>Authority datasets / derivatives are being issued with this order. Supplier must have special approval in place for the utilization of the issued data. Data issued in support of product governed under D6-51991 must be processed in accordance with the noted specification. ALATUS and/or ALATUS's customers reserve the right to review your CAD / CAM / CAE process at any time to ensure data is being utilized as defined within the governing specification</p>
Q36	D6-1276 Design Critical Requirements	<p>Products / processes issued against this purchase order are governed by Boeing D6-1276 requirements. The supplier is not allowed to deviate from the approved "Frozen Planning" covered by Boeing BMT approved memorandum. Any and all changes to the approved supplier process / technique / procedure must be submitted to ALATUS for review and approval. Allowed deviations per D6-1276 are authorized but must be submitted to ALATUS for review containing the specific paragraph that allows the noted deviation.</p>

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BOEING UNIQUE REQUIREMENTS		
Clause	Category	Requirement Text
Q48*	FAA-PMA Part Marking on Boeing Product	<p>Unless explicit direction is given to the contrary, no articles (or constituent parts thereof) ordered in support of Boeing program shall contain any FAA-PMA markings. The articles shall not be certified under an FAA-PMA approval and the accompanying paperwork (e.g., packages, shippers, etc.) shall not contain any FAA-PMA markings.</p> <p>All suppliers are required to verify they have cascaded this requirement to your sub-tiers and are in compliance with the directive.</p>

AIRBUS UNIQUE REQUIREMENTS		
Clause	Category	Requirement Text
Q37	Airbus UK Unique Requirements	This purchase order is in furtherance of an Airbus UK order. Released in accordance with AUK/SA/001-1 and current Airbus approval number as noted on purchasing documentation.
Q38	Airbus UK Approvals and Supplier Certifications	All work performed under this order must comply with all applicable specifications / documents associated with the order to the latest release of "The Digest" issued by Airbus UK and as applicable at the time of processing. The supplier must have a current Airbus UK approval number for the quality system in addition to the subordinate process code as listed within "The Digest". Certification of conformance must reflect compliance with the latest revision of the applicable processes as contained within "The Digest" and must include the supplier's approval number in addition to any specific contractual requirements flowed through the purchasing documentation.
Q39	Supplier Formal Release Procedures	Formal release procedure must be in place and the release documentation must state compliance of the quality management arrangements as noted within AUK/SA/001-1.

LOCKHEED UNIQUE REQUIREMENTS		
Clause	Category	Requirement Text
Q40	Work Statement	Work to be accomplished in performance of this purchase order is directly related to a Lockheed Martin Aeronautics Company purchase order, and must be accomplished in accordance with process specifications on the purchase order and Lockheed Martin Aeronautics Company Appendix QJ.

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LOCKHEED UNIQUE REQUIREMENTS		
Clause	Category	Requirement Text
Q41	Certificate of Conformance	<p>Supplier shall submit a Certificate of Conformance (C of C) with a unique certification number containing the following information:</p> <ol style="list-style-type: none"> 1) Title and specification number, including revision letter, of the process; 2) Name and address of the process or NDT facility; 3) Lockheed Martin assigned processor number; 4) Date the C of C was issued; 5) Purchase order part number; 6) Quantity of parts, to include quantity accepted / rejected; 7) Signature and title of authorized quality agent of the supplier; 8) Fracture durability classification or serialization when required.
Q42	Packaging and Protection	Supplier shall ensure that parts are suitably wrapped, boxed or racked to guard against shipping damage, and apply rust or corrosion protection as required.

BAE RO DEFENCE UNIQUE REQUIREMENTS		
Clause	Category	Requirement Text
Q43	Supply of Rubber Based Products	<p>"The limit tables in MIL-STD-129P are not interchangeable with British/International Standards Organization requirements."</p> <p>"Storage utilized by the Sub-contractor shall be secure and safe and shall provide sufficient protection to ensure that the stored items do not deteriorate."</p> <p>"The Sub-Contractor must ensure that any shelf-life restricted items are stored and controlled in accordance with relevant procedures. It is a requirement of this contract that a minimum of 80% of shelf life remains on such restricted items, material which does not show at least 80% of the indicated shelf life will not be accepted."</p> <p>"All packages and containers should be marked in accordance with MIL-STD-129N (Standard Practice for Military Marking) and the contract requirements."</p>

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Q45	Shelf Life Products	The organization and its supplier must ensure that any time sensitive "shelf-life" restricted items are stored and controlled in accordance with relevant Standards. It is a customer requirement that a minimum of 85% of "material life" remains on such restricted items at time of delivery to ALATUS.
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RECORD RETENTION REQUIREMENTS

Clause	Category	Requirement Text
Q44	Record Retention	<p>Record Retention shall be a minimum of 10 years unless otherwise specified as noted below:</p> <p>At expiration of the retention period, if there is intent to dispose of such records, then prior to disposal Seller shall notify Buyer in writing.</p> <ul style="list-style-type: none"> a) BAE shall have a minimum Record Retention 13 Years. At expiration of the retention period, if there is intent to dispose of such records, then prior to disposal Seller shall notify Buyer in writing b) Airbus and GKN Operational life of applicable product(s) + 6 years. At expiration of the retention period, if there is intent to dispose of such records, then prior to disposal Seller shall notify Buyer in writing c) Boeing Seattle and St. Louis Period of not less than 4 years after final payment. At expiration of the retention period, if there is intent to dispose of such records, then prior to disposal Seller shall notify Buyer in writing d) Spirit Wichita Period of not less than 3 years after final payment. At expiration of the retention period, if there is intent to dispose of such records, then prior to disposal Seller shall notify Buyer in writing

ACCOUNTABLE TOOLING REQUIREMENTS

Clause	Category	Requirement Text
Q46	Tooling Requirements	<p>Supplier shall ensure that Accountable Tooling requirements are met per ALATUS and end item customer requirement. Supplier shall visually inspect tooling prior to each use. Supplier to verify tooling is in good condition and is acceptable to use for manufacturing. Supplier is responsible, at all times, for the care, maintenance, safekeeping and proper use of tooling in their possession or at their sub-tier suppliers and shall flow down requirements to their sub-tier supplier as applicable. Tooling shall not be used for products not identified on the PO. Tooling modification requires ALATUS approval</p> <p>ALATUS Customer Special Tooling Requirements applies as follows"</p> <ul style="list-style-type: none"> a) Boeing: D950-11059-1 BDS Seller Special Tooling Requirements b) Spirit AeroSystems: STM 130030-1 Spirit AeroSystems Tooling Manual

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		c) Northrop Grumman: Northrop Grumman Supplier Tooling Manual d) Vought: SQR-008 Supplier Requirements for Tooling e) Hawker Beechcraft: 04-04-016
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EXPORT CONTROLS		
Clause	Category	Requirement Text
Q47	Technical Data / Classified Data	<p>Supplier shall ensure that technical information or data, whether classified or otherwise, are not disclosed to any foreign persons in violation of the Export Administration Regulations (EAR) of the United States Department of Commerce, or the International Traffic in Arms Regulations (ITAR) of the United States Department of State, or any other applicable laws or regulations of the United States.</p> <p>Supplier shall ensure that any information or data which carries a U.S. Government military security classification are additionally safeguarded in accordance with the appropriate provisions of the United States Department of Defense National Industrial Security Program Operating Manual (NISPOM).</p> <p>Refer to the Purchase Order Terms and Conditions for further requirements, located on the ALATUS website (alatusaero.com).</p>

Note: Asterisk (*) adjacent to the clause number indicates revision changes

Revision History

Original	Initial Revision for AS9100D BMS, supersedes AS9100C BMS EX 7.4.2 Revision C Added verbiage to Q20
A	Changed logo back to Triumph Structures – Los Angeles (TSLA).
B	Added Q48 regarding FAA-PMA part marking for Boeing product.
C	Name changed to ALATUS Aerosystems. Updated references to ALATUS Aerosystems references. Removed AS9003 as an option for an approved QMS in Q1.