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## Quality Management System - Requirements

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# 1 Scope

***This document outlines certain quality assurance general operating requirements applicable to any supplier where this document is called out or incorporated by reference in Boeing's contractual requirements with the supplier, including but not limited to a Boeing Supply Chain Agreement or a Special Business Provisions.***

The quality requirements specified in this document are in addition to (or, as applicable, provide clarification to), all other applicable quality requirements set forth in Boeing document D6-82479 "Boeing's Quality Management System (BQMS) Requirements for Suppliers" and Supplemental terms and conditions via Boeing PO Notes as may be revised from time to time, as well as those under contract, law and regulation.

Boeing may revise the PO Notes from time to time. To ensure Seller is performing to the latest Boeing PO Note, Seller shall access the latest PO Note revisions via the Boeing Partners Network (BPN) Supplier Portal View. PO Notes" are listed under "My Products". When Seller reviews a PO Note revision, the PO Notes page will reflect the revision as 'Acknowledged' by Seller. Seller shall access on a quarterly basis the latest PO Note revisions via the BPN Supplier Portal by the following dates of the year: 1/15, 4/15, 7/15, and 10/15

The latest PO Note revision identified by the BPN Supplier Portal is effective, and therefore applicable to the Boeing Order as of the revision date of the PO Note, unless otherwise agreed to in writing by the parties for the applicable Order.

If Seller does not have BPN Supplier Portal access, Seller shall contact the Boeing Procurement Representative and request the latest PO Note text by specifying the applicable PO Note code number. Seller shall make such requests quarterly by the dates specified in above paragraph "2". Upon receipt of such request, Boeing will provide the applicable PO Note full text to Seller

The Supplier's quality management system (QMS) approval status from Boeing can be viewed in the Supplier's profile in the Supplier Quality Information System (SQIS).

The Section numbers and headings used in this document correspond to the Section numbers and headings set forth in Aerospace Industry Standards promulgated by International Aerospace Quality Group (IAQG).

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## 2 Normative References

### 2.1 Aerospace Standards publications

The following aerospace standards are referenced in this document:

- AS/EN/JISQ 9100 *"Quality Management Systems – Requirements for Aviation, Space and Defense Organizations"* as may be revised from time to time, which is incorporated herein and made a part hereof by this reference.
- AS/EN/SJAC 9120 *"Quality Management Systems - Requirements for Aviation, Space and Defense Distributors"* as may be revised from time to time, which is incorporated herein and made a part hereof by this reference.
- AS/EN/SJAC 9115, *"Quality Management Systems – Requirements for Aviation, Space and Defense Organizations – Deliverable Software"* as may be revised from time to time, which is incorporated herein and made a part hereof by this reference.
- AS/EN/SJAC 9162, *"Aerospace Operator Self-Verification Programs"* as may be revised from time to time, which is incorporated herein and made a part hereof by this reference.
- AS/EN/SJAC 9138, *"Aerospace Series – Quality Management Systems Statistical Product Acceptance Requirements"* as may be revised from time to time, which is incorporated herein and made a part hereof by this reference.
- AS/EN/SJAC 9102, *"Aerospace First Article Inspection Requirement"* as may be revised from time to time, which is incorporated herein and made a part hereof by this reference.
- AS/EN/SJAC 9117, *"Delegated Product Release Verification"* as may be revised from time to time, which is incorporated herein and made a part hereof by this reference.
- AS/EN/SJAC 9146, *"Foreign Object Damage (FOD) Prevention Program – Requirements for Aviation, Space, and Defense Organizations"* as may be revised from time to time, which is incorporated herein and made a part hereof by this reference.

### 2.2 Boeing documents, applications, and forms

Boeing documents, applications, and forms referenced within this document may be accessed through the Supplier Portal at [www.boeingsuppliers.com](http://www.boeingsuppliers.com).

The Supplier Portal is a password protected web site that provides a secure access point for Boeing Suppliers to view general supply chain information from Boeing, as well as, individualized information related to their contracts with Boeing.

Suppliers may obtain access to the Boeing supplier portal and required applications, forms, or documents by contacting the Boeing SC Operations Procurement Agent (OPA) Supplier Inspection.

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### 3 Terms and Definitions

The terms and definitions given in ISO 9000:2015, as supplemented by the IAQG dictionary, apply to this document as applicable. The term “Supply Chain” means the Supplier’s subcontractors and suppliers at all levels that support Supplier’s performance under Supplier’s respective supply agreement with Boeing. The term “PC 700” refers to Boeing’s FAA-issued Production Certificate No. 700.

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## 4 Context of the Organization

### 4.1 Understanding the Organization and Its Context

No supplemental requirements.

### 4.2 Understanding the Needs and Expectations of Interested Parties

No supplemental requirements.

### 4.3 Determining the Scope of the Quality Management System

#### Industry Controlled Other Party Certification (ICOP)

Supplier must maintain an accredited Industry Controlled Other Party (ICOP) certification to the applicable Aerospace QMS Standard(s) including equivalent international aerospace standard(s).

Boeing recognition of Supplier's AQMS certification does not affect Boeing's right to conduct audits and issue findings at the Supplier's facility. Boeing reserves the right to provide Boeing-identified quality system findings, associated quality system data, and quality performance data to Supplier's certification or registration body (CB).

#### Boeing Quality Management System Requirements for Suppliers

Supplier must ensure compliance with Boeing document D6-82479 "Boeing's Quality Management System (BQMS) Requirements for Suppliers" as may be revised from time to time. Boeing reserves the right to make final determination of Supplier's compliance to the aerospace standards referenced in the D6-82479 document and in this document. Allowance to depart from any such Boeing requirement is at the sole discretion of Boeing.

### 4.4 Quality Management System and Its Processes

Requirement	Product Applicability	Flow-Down Applicability
The Supplier must compile and maintain a single source of documented information and refer to it as a Quality Manual. The Quality Manual must include a description of the quality management system and contain or make reference to the documented information and associated aviation, space, and defense industry requirements contained within AQMS.	PC700 Products	Must be flowed-down to Supply Chain
The Supplier must immediately notify the Boeing Supplier Quality Representative (SQR) and Procurement Agent that supports your facility, in writing, of any changes that may affect the capability of the Quality Management System (QMS) to continue to fulfill Boeing	PC700 Products	N/A

requirements or the requirements of the QMS standard. This includes all changes referenced within ISO/IEC 17021-1:2015 clause 8.5.3.		
When the Supplier utilizes their distribution location(s) for shipment of procured products to the Boeing contract, the location must be within the Supplier's organizational control and must have an AS/EN/JISQ 9100, or AS/EN/SJAC 9120 QMS certificate.	PC700 Products	N/A
Supplier location(s) that perform or outsource manufacturing/fabrication, product installation, servicing, additional inspection or test, physical re-identification, product assembly, and/or kitting processes, must have an AS/EN/JISQ 9100 certificate and the associated manufacturing processes must be included within the scope of certification.	PC700 Products	N/A
Change in Quality Representative: The Supplier must promptly notify the Boeing Supplier Quality Representative (SQR) that supports your facility, of any changes to the Supplier representative with assigned responsibility as Boeing's quality contact.	PC700 Products	N/A
The Supplier must immediately notify the Boeing Supplier Quality Representative (SQR) and Procurement Agent that supports their facility, in writing, of any changes in quality management system scope or for any requirement of the Quality Management System (QMS) standard that the organization determines is no longer applicable to the scope of its quality management system.	PC700 Products	N/A



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## 5 Leadership

No supplemental requirements.

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## 6 Planning

No supplemental requirements.

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# 7 Support

## 7.1 Resources

No supplemental requirements.

### 7.1.1 General

No supplemental requirements.

### 7.1.2 People

No supplemental requirements.

### 7.1.3 Infrastructure

No supplemental requirements.

### 7.1.4 Environment for the Operation of Processes

No supplemental requirements.

### 7.1.5 Monitoring and Measuring Resources

No supplemental requirements.

#### 7.1.5.1 General

No supplemental requirements.

#### 7.1.5.2 Measurement Traceability

Requirement	Product Applicability	Flow-Down Applicability
The Supplier must retain documented information that provides evidence of monitoring and measurement equipment calibration. The retained documented information must include the required calibration register elements defined within the AQMS standard and the results of calibration.	PC700 Products	Must be flowed-down to Supply Chain

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### 7.1.6 Organizational Knowledge

No supplemental requirements.

### 7.2 Competence

Requirement	Product Applicability	Flow-Down Applicability
Operator Self Verification Program: If the Supplier uses an Operator Self-Verification (OSV) program, the Supplier must comply with the requirements set forth in AS/EN/SJAC 9162, "Aerospace Operator Self Verification Programs", as may be amended from time to time. Buyer reserves the right to conduct surveillance at Supplier facility to determine that Supplier is compliant to the requirements of AS/EN/SJAC 9162.	PC700 Products	Must be flowed-down to Supply Chain when Supplier utilizes OSV program

### 7.3 Awareness

No supplemental requirements.

### 7.4 Communication

No supplemental requirements.

### 7.5 Documented Information

No supplemental requirements.

#### 7.5.1 General

Requirement	Product Applicability	Flow-Down Applicability
Supplier must maintain, and have available on a timely basis, quality records traceable to the conformance of product/part numbers delivered to Boeing. Supplier must make records available to regulatory authorities and Boeing's authorized representatives. Supplier must 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, Supplier will notify Boeing of	PC700 Products	Must be flowed-down to Supply Chain

<p>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, Supplier must promptly deliver such records to Boeing at no additional cost on media agreed to by both parties.</p> <p>Boeing requires that the provisions/requirements set forth above be included in Supplier direct supply contracts related to the Products/Part Numbers.</p>		
<p>Supplier must ensure that all of the control activities listed within the AQMS standard are applicable and addressed within the Supplier's processes for control of documented information.</p>	<p>PC700 Products</p>	<p>Must be flowed-down to Supply Chain</p>

### 7.5.2 Creating and Updating

No supplemental requirements.

### 7.5.3 Control of Documented Information

No supplemental requirements.

# 8 Operation

## 8.1 Operational Planning and Control

Requirement	Product Applicability	Flow-Down Applicability
Supplier will not and will ensure its supply chain will not, initiate a movement or transfer of the location to be performed without Boeing’s prior written approval. Supplier must complete Boeing form X35781 “Supplier Initiated Work Movement Transfer Notification Form” (including required implementation plans), and submit to Boeing for written approval. Notification must be prior to the manufacturing start date of the first part associated with the work transfer.	PC700 Products	Must be flowed-down to Supply Chain
“Controlled” or “Approved” planning requirements are derived from the part specific Engineering requirements. Planning changes to “controlled” or “approved” planning requires compliance with the associated process prior to implementing proposed changes within supplier’s production system and commencing manufacture. Supplier must submit manufacturing planning changes to Boeing in accordance with the requirements described within the associated process for approval/re-approval. Boeing engineering qualification/approvals include material & process approvals and quality engineering approvals.	PC700 Products	N/A
Supplier is required to notify Boeing Procurement Agent if procured item is manufactured at a Suppliers facility not reflected on the procurement document.	PC700 Products	N/A
Supplier 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)".	PC700 Products	Must be flowed-down to Supply Chain

### 8.1.1 Operational Risk Management

No supplemental requirements.

### 8.1.2 Configuration Management

No supplemental requirements.

### 8.1.3 Product Safety

No supplemental requirements.

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### 8.1.4 Prevention of Counterfeit Parts

Requirement	Product Applicability	Flow-Down Applicability
The 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 retained documented information is validated prior to the release of products and the documented information includes traceability to the designated source.	PC700 Products	Must be flowed-down to Supply Chain

### 8.2 Requirements for Products and Services

No supplemental requirements.

#### 8.2.1 Customer Communication

Requirement	Product Applicability	Flow-Down Applicability
When specifically requested by Boeing, Supplier must make specified quality data and/or approved design data available in the English language.	PC700 Products	Must be flowed-down to Supply Chain

#### 8.2.2 Determining the Requirements for Products and Services

No supplemental requirements.

#### 8.2.3 Review of the Requirements for Products and Services

No supplemental requirements.

### 8.3 Design and Development of Products and Services

No supplemental requirements.

#### 8.3.1 General

No supplemental requirements.

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### 8.3.2 Design and Development Planning

Requirement	Product Applicability	Flow-Down Applicability
Boeing Design Digital Product Definition (DPD) approval is required per Document D6-51991.	PC700 Products when Type Design DPD is utilized in manufacturing and inspection	Must be flowed-down to Supply Chain when DPD is utilized

### 8.3.3 Design and Development Inputs

No supplemental requirements.

### 8.3.4 Design and Development Controls

No supplemental requirements.

### 8.3.5 Design and Development Outputs

Requirement	Product Applicability	Flow-Down Applicability
The supplier Acceptance Test Procedure (ATP) is intended to provide reasonable assurance that a NEW part/component meets the minimum requirements for fit, form and function for its intended use. The ATP is insufficient as a standalone investigation tool for a specific documented nonconformance, unless a step within the ATP specifically accounts for/tests for the identified nonconformance. Supplier investigation of documented NON-CONFORMING product(s) must lead the supplier to "eliminate the cause(s) of the nonconformity, in order that it does not recur or occur elsewhere" (QMS AS/EN/JISQ 9100) or produce evidence that the supplier is not at fault.	PC700 Products	Must be flowed-down to Supply Chain

### 8.3.6 Design and Development Changes

No supplemental requirements.

## 8.4 Control of Externally Provided Processes, Products, and Services

No supplemental requirements.



### 8.4.1 General

Requirement	Product Applicability	Flow-Down Applicability
The Supplier must evaluate and select distributors based on the distributors' ability to conform to an AS/EN/JISQ 9100, or AS/EN/SJAC 9120 quality management system.	PC700 Products	N/A

### 8.4.2 Type and Extent Control

Requirement	Product Applicability	Flow-Down Applicability
Boeing source acceptance is required. Source acceptance may include in-process activities such as processing, fabrication, witness testing in addition to final inspection. Supplier must notify the Boeing Supplier Quality Representative (SQR) that services your facility via the Supplier Quality Information System (SQIS) immediately upon demand issued. The Supplier must coordinate with the SQR an acceptable date for source acceptance and provide all requested information as may be required. Supplier must provide the necessary use of the Supplier's facility and equipment to perform the inspection. In the event you are unable to access Supplier Quality Information System (SQIS) contact the Boeing Field Representative, or Boeing Procurement Agent for assistance.	PC700 Products	N/A
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	PC700 Products	Must be flowed-down to Supply Chain

to the conformance of Goods, as specified elsewhere in this Contract.		
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### 8.4.3 Information for External Providers

The Supplier must have an external provider evaluation process in place to determine the appropriate QMS and BCA QMS Supplemental requirements listed in this document that are to be flowed down to their manufacture supporting locations.

### 8.5 Production and Service Provision

Requirement	Product Applicability	Flow-Down Applicability
<p>THE SUPPLIER 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".</p>	<p>PC700  Products in support of FAA-approved manufacturing and quality control systems as set forth in FAA PC700 Certificate issued to Boeing</p>	N/A
<p>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 Federal Aviation Administration approved manufacturing and quality control 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 an 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".</p>	<p>PC700  Products  (Direct ship of product where Boeing has authorized source acceptance delegation)</p>	N/A

<p>For Boeing source acceptance the Boeing Quality representative will sign the statement.  Supplier is granted direct ship authorization by Boeing for parts shipped on this order only.  <b>THE SUPPLIER WILL PLACE THE FOLLOWING STATEMENT ON ALL SHIPPING DOCUMENTS:</b>  It is hereby certified that (A) The parts and/or materials reflected herein were conformed in accordance to Federal Aviation Administration approved manufacturing and quality control systems/methods as set forth in FAA Production Certificate NO. 700 issued to The Boeing Company. AND (B) Such parts and/or material are new and in an airworthy condition.  <b>SIGNED:</b>  <b>TITLE:</b></p>	<p>PC700 Products  (Direct ship of product where Boeing has not authorized source acceptance delegation)</p>	<p>Must be flowed-down to Supply Chain</p>
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### 8.5.1 Control of Production and Service Provision

Requirement	Product Applicability	Flow-Down Applicability
<p>Supplier must inspect or otherwise confirm that all Products or Services, including those components procured from or furnished by subcontractors or suppliers or Boeing, must comply with the requirements of the Order prior to shipment to Boeing or Customer. Supplier must be responsible for all tests and inspections of the Product during receiving, manufacture and Supplier's final inspection. Supplier agrees to furnish copies of test and/or control data upon request from Boeing's Procurement Representative.</p>	<p>PC700 Products</p>	<p>Must be flowed-down to Supply Chain</p>
<p>Supplier must perform 100% inspection for in-process and final inspection, or Supplier must conform to requirements of document AS/EN/SJAC 9138 "Aerospace Series – Quality Management Systems Statistical Product Acceptance Requirements" as may be amended from time to time. With the exception noted herein Supplier's statistical sampling procedure/plan conformance to AS/EN/ SJAC 9138 with minimum protection levels meeting SAE AS/EN/SJAC 9138 Table A1 and C=0 will constitute Boeing Quality approval subject to restrictions noted in AS/EN/SJAC 9138, Section 4.3 Safety/Critical Characteristics, and part/product Design Data sampling requirements and/or prohibitions.  Buyer reserves the right to disallow a supplier's statistical methods for product acceptance for specific sites/ programs, parts or characteristics, and to conduct surveillance at Supplier's facility to assess conformance to the requirements of AS/EN/SJAC 9138.</p>	<p>PC700 Products</p>	<p>Must be flowed-down to Supply Chain</p>

Supplier is required to establish and maintain a FOD prevention program in compliance with AS/EN/SJAC 9146 Foreign Object Damage (FOD) Prevention Program -- Requirements for Aviation, Space, and Defense Organizations.	PC700 Products	Must be flowed-down to Supply Chain
<p>Special supplier stamping instructions for the Boeing Production Record of Acceptance  Note: Applies to operations with Coordinate Measuring Machine (CMM) operations.</p> <p>a.) If bench and CMM operations exist and Supplier does not use a CMM for Product inspection, Supplier's quality inspector will inspect all features at the bench and must stamp/date the bench operation. Supplier's quality inspector must also stamp/date the CMM operation and write "See Over" next to the CMM acceptance stamp. A statement is then written on the back of the page stating, "Full inspection performed; CMM not required." Supplier's quality inspector then places another stamp impression and the date next to the statement.</p> <p>b.) If only a CMM operation exists and Supplier does not use a CMM for Product inspection and there is no bench inspection operation, Supplier's quality inspector will inspect all features at the bench and must stamp/date the CMM operation and write "See Over" next to the CMM acceptance stamp. A statement is then written on the back of the page stating, "Full inspection performed; CMM not required." Supplier's quality inspector then places another stamp impression and the date next to the statement.</p> <p>Note: In cases where a CMM operation exists and the supplier possesses and utilizes a CMM, normal supplier Quality stamping practices must be followed.</p>	PC700 Products	Must be flowed-down to Supply Chain
Enclose evidence (I.E. Certified metallurgical or physical test reports, where required by controlling specifications), along with dimensional data and functional test data, as applicable, with the first shipment only of drop shipped product to another Boeing supplier. Enclose the recorded/required data on appropriate first article inspection report/forms.	PC700 Products that are the first drop shipment of parts to another Boeing Supplier	N/A

### 8.5.1.1 Control of Equipment, Tools, and Software Programs

Requirement	Product Applicability	Flow-Down Applicability
Supplier must comply with the requirements of Boeing document D33200 (i.e. -1, -2, Boeing Suppliers' Tooling	Suppliers that manufacture, utilize and	N/A

Document. It is the Supplier's responsibility to comply with the latest revision of these document.	store Boeing-owned tooling that Boeing has designated as "accountable" tooling	
<p>Software Boeing First Article Inspection (BFAI) is required.</p> <p>Supplier must perform Software Conformity Inspection (also referred to as First Article Inspection (FAI) in accordance with RTCA/DO-178B/C, Software Considerations in Airborne Systems and Equipment Certification, Boeing D6-35071-1, BCA Airborne Software Development Standard and AS/EN/SJAC 9115.</p> <p>Supplier must notify Boeing's supplier quality representative for the coordination and planning of the BFAI, prior to the start of software build and loading demonstrations. BFAI may include in-process inspections to be accomplished during performance of FAI.</p> <p>At a minimum, Supplier must make available the following in support of the BFAI:</p> <ol style="list-style-type: none"> <li>1. Applicable purchase document</li> <li>2. Applicable software life cycle documents as required by the Boeing Supplier Data Requirements List (SDRL) and/or RTCA/DO-178B/C</li> <li>3. Applicable documented supplier software conformity review / software FAI</li> <li>4. Applicable supplier Software QA findings and software problem reports</li> <li>5. Applicable acceptance test results</li> <li>6. Applicable record(s) of Boeing approval for SDRL Items</li> <li>7. Supplier provides an assertion statement that their software artifacts and applicable life cycle documents are in compliance with the EAM (Engineering Approval Memo).</li> </ol>	PC700 Products requiring Software FAI	N/A

### 8.5.1.2 Validation and Control of Special Processes

Requirement	Product Applicability	Flow-Down Applicability
<p>Supplier must comply with Boeing document D1-4426 "Approved Process Sources" (<a href="http://active.boeing.com/doingbiz/d14426/index.cfm">http://active.boeing.com/doingbiz/d14426/index.cfm</a>).</p> <p>This document, subject to revision from time to time, defines the approved sources for special processing,</p>	PC700 Products	Must be flowed-down to Supply Chain where Boeing specifications require a

<p>composite raw materials, composite products, aircraft bearings, designated fasteners, and metallic raw materials. The Supplier's purchasing information must conform to the purchasing data requirements of Boeing document D1- 4426 Appendix D. These purchasing data requirements can be found at:  <a href="http://active.boeing.com/doingbiz/d14426/Appendix-D.pdf">http://active.boeing.com/doingbiz/d14426/Appendix-D.pdf</a></p>		<p>Supplier to use particular approved process provider(s)</p>
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### 8.5.1.3 Production Process Verification

Requirement	Product Applicability	Flow-Down Applicability
<p>Supplier must perform First Article Inspections (FAI) in accordance with AS/EN/SJAC 9102, Aerospace First Article Inspection Requirement Boeing reserves the right to conduct surveillance of the supplier's FAI, referred to as Boeing First Article Inspection (BFAI)</p> <p>Supplier shall utilize and document completion of FAI within the Boeing licensed Net-Inspect software. Furthermore, where Supplier is required to document FAIs in the Net-Inspect software, FAIs of the Supplier's supply chain shall also be documented in Net-Inspect.</p> <p>Supplier and Supplier's supply chain are not permitted to ship product to customer until all applicable FAI requirements have been fulfilled.</p>	<p>PC700 Products</p> <p>Applicable for any FAI after September 30, 2022 or where required earlier than September 30, 2022 when supplier received a Q48 P.O. Note Required use of Net-Inspect will be identified in attachment 1 of the procurement agreement.</p>	<p>Must be flowed-down to Supply Chain</p>
<p>All Suppliers providing clad aluminum exterior aircraft skins per Boeing document D6-9002 BAC5615, "Appearance Control of Clad Aluminum Exterior Skins" must inspect the skins per D6-85354, "Skin Quality Inspection of Clad Aluminum Exterior Skins" and follow</p>	<p>PC700 Products that are clad aluminum</p>	<p>N/A</p>

repair procedures as needed per BSS7155, "Repair Procedures for Appearance Control of Clad Aluminum Exterior Skins".	exterior aircraft skins	
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### 8.5.2 Identification and Traceability

Requirement	Product Applicability	Flow-Down Applicability
<p>a) 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.</p> <p>b) Supplier must, within its organization and its supply chain, ensure that the use of AAM is clearly defined within its Quality Management System (QMS).</p> <p>c) Supplier must, be able to demonstrate evidence of communication to its employees and to its supply chain; use of AAM must be considered as a personal warranty of compliance and conformity.</p> <p>d) Supplier must 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 must include but not limited to:</p> <ul style="list-style-type: none"> <li>• Authority Media Application Errors (i.e. Omission, Typos, Legibility, etc.)</li> <li>• Authority Media Application Untimely Use (i.e. Documentation is not completed as planned, "Stamp/Sign as you go", etc.)</li> <li>• Authority Media Application Misrepresentation (i.e., uncertified personnel, Falsification of documentation, Work not performed as planned, etc.)</li> <li>• Authority Media Application Training Deficiencies (i.e. Ethics, Culture awareness, Proper Use of authority media, etc.).</li> </ul>	PC700 Products	Must be flowed-down to Supply Chain
Supplier must provide a statement on their Shipping document certifying its quality assurance department has inspected the parts and they adhere to all requirements, applicable drawings/specifications.	PC700 Products	Must be flowed-down to Supply Chain
Supplier must rubber stamp raw material requiring a test sample with a verification mark across the cut-line prior to cutting the sample from the stock. Approximately one half of the impression is to be on each side of the cut line. The supplier code must be stamped within the verification stamp. The purchase order number, supplier code and heat lot number must be applied to the raw stock and the sample of the stock from which it was cut.	PC700 Products that are metallic raw materials (metallic bar, plate, sheet, skin and extrusion) requiring test samples	N/A

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### 8.5.3 Property Belonging to Customers or External Providers

No supplemental requirements.

### 8.5.4 Preservation

Requirement	Product Applicability	Flow-Down Applicability
Supplier must control all inventory of Boeing proprietary product that is in excess of contract quantity in order to prevent product from being sold or provided to any third party without prior written authorization from Boeing. Additionally, Supplier must not provide Product from excess inventory that was previously rejected or returned by Boeing without prior written authorization from Boeing. When Supplier fulfills an order in support of this SBP with Product from excess inventory, for which Supplier was the original manufacturer, Supplier must be able to demonstrate traceability to the original Boeing purchase document that authorized manufacture of the Product when requested by Boeing.	PC700 Products	Must be flowed-down to Supply Chain

### 8.5.5 Post-Delivery Activities

No supplemental requirements.

### 8.5.6 Control of Changes

No supplemental requirements.

## 8.6 Release of Products and Services

Requirement	Product Applicability	Flow-Down Applicability
Drop Ship Requirements for Boeing Suppliers: When Supplier is contractually required to Drop Ship articles on Boeing's behalf, Supplier must adhere to the requirements contained within Boeing Document D6-83720 - "Drop Ship Requirements for Boeing Suppliers".	PC700 Products	N/A
When Supplier is approved to complete FAA Form 8130-9 "Statement of Conformity" on Boeing's behalf, Supplier must conform to the requirements of Boeing document D6-83570 "8130-9 Conformity Inspection Requirements" and assigned FAA Form 8120- 10 "Request for Conformity" instructions.	PC700 Products	N/A



When Supplier delegates product verification, Supplier must conform to the requirements of AS/EN/ SJAC 9117, "Delegated Product Release Verification".	PC700 Products	Must be flowed-down to Supply Chain
Work under this contract is subject to Boeing surveillance at the supplier's at manufacturing and acceptance location.	PC700 Products	N/A
A casting or forging test report, identified by purchase order number will be included with the packing sheet in accordance with specification. A copy will be mailed to Boeing's procurement representative attention on or before day of each shipment. Latest engineering drawing revision number including ADCNS incorporated in the casting or forging will be noted on the test report.	PC700 Products that are castings and/or forgings	N/A

### 8.7 Control of Nonconforming Outputs

Requirement	Product Applicability	Flow-Down Applicability
Request for Boeing Material Review Board (MRB) Dispositions: When the supplier does not have delegated Material Review Authority (MRA), or the nonconforming condition requires a Boeing disposition, Supplier must request material review disposition through the Request for Assistance (RFA) by using the Material Review Record (MRR) or the Supplier Nonconformance Notification (SNN) in accordance with Boeing Document D6-84111.	PC700 Products	N/A
Material Review Authority (MRA): Supplier must not apply dispositions of use-as-is or repair to nonconforming products they produce for installation on Boeing commercial airplanes unless Boeing has delegated MRA to the Supplier in accordance with Boeing document D-13709-4, or Boeing document D-13709-5.	PC700 Products	N/A
Customer Sensitive and Aesthetic Acceptance Criteria: Supplier must assess and process Use-As-Is or Repair dispositions in accordance with the D6-86587 "Boeing Commercial Airplanes (BCA) Customer Sensitive Items and Aesthetic Acceptance Criteria".	PC700 Products	N/A
BOEING ESCAPEMENT NOTIFICATION FOR NONCONFORMANCE (Section 1) AND NONCOMPLIANCE (Section 2).  SECTION 1 NONCONFORMANCE: NOTIFICATION OF ESCAPEMENT (NOE) PROCESS Note: **Do not use the NOE process to notify Boeing engineering of escapements related to design errors (i.e., certification, product design, and/or business agreement noncompliance). Notify Boeing of escapements related to design errors using the Design Escapement Notification	PC700 Products	Must be flowed-down to Supply Chain

(DEN) process as applicable in Section 2 of this note. A notification to Boeing of a known or suspect nonconformance is not appropriate for a component if the nonconformance is not associated to a product characteristic.\*\*

**Note:** The steps shown herein are to be used for new or completed investigations when additional data is discovered. Please see the additional scope guidelines located at the bottom of section one.

For Product(s) which have been delivered to or on behalf of Boeing and Seller knows or suspects that such Product(s) are or may be nonconforming, Seller shall, within 3 business days after the day of discovery of a potential escape, the notification from sub-tier supplier, and/or the entry of the issue into the quality process, notify Boeing in writing as set forth herein to allow Boeing to conduct a preliminary safety risk assessment. The minimum information required at this stage of the notice of investigation are:

- a. Affected process(es) or Product(s) part number(s) and name(s);
- b. Description of the nonconforming condition and the affected engineering requirement (i.e., what it is, what it should be and per what requirement).

If the condition is a possible safety of flight issue, submit all available information immediately. This applies to new or initial instances of an escape or potential escape, escapes or potential escapes that were previously identified and isolated by Boeing but Seller identifies additional units or a nonconformance cannot be inspected for the same nonconformance condition. This notification requirement is applicable to all Sellers, including Sellers with D-13709-4 Appendix C Escaped Product Disposition authority.

Seller shall conduct an investigation to confirm and identify if a nonconformance exist or is suspected to exist.

Seller shall notify Boeing through the Boeing supplier information system or the Preliminary Investigation Notification (Form X39312) may be used with Boeing approval or in case of system outage or unavailability.

Such notification shall include the information set forth below along with any information that may be identified on the Boeing supplier information system or in Form X39312 referenced above.

Once a nonconformance has been verified as escaped from the supplier quality management system, all information listed in a and b above (including revisions and updates) as

well as c and d listed below shall be submitted to Boeing through the Boeing supplier information system within 10 business days from the day of escape confirmation unless otherwise agreed upon by Boeing on a case by case basis.

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.

For Sellers with D-13709-4 Appendix C Escaped Product Disposition authority, instead of submittal to Boeing, Seller must provide notification to the Seller's delegated material review engineers for technical review within 10 business days from the day of escape confirmation unless otherwise agreed upon by Boeing on a case by case basis.

**Additional Scope:** This process is to be used by the seller for investigation which have been previously disposition and new information has been introduced that identifies additional scope of the original investigation. Seller shall start at the beginning of this process and submit the information as new investigation noting the earlier documentation in a manner that correlates the prior processing but clearly articulates the updated data.

If the nonconformance condition has been previously identified by Boeing using a nonconformance record and a Boeing corrective action notification included Immediate Correction (IC) or Immediate Action (IA) and Root Cause Corrective Action (RCCA) has been received, Seller shall notify the Boeing investigator identified on the notification that additional parts are affected (same part number(s)/same condition).

#### Flow down

The requirements set forth above shall be flowed down by Seller to Seller's supply chain, with the modification that all supply chain notification shall pass through Seller (and not made directly from the supply chain to Boeing). Seller shall notify Boeing of all sub-tier parts which have left the Seller's production system with escaped nonconformances in accordance with the respective communication process set forth herein. For purpose of this note, supply chain shall mean Seller's complete network of material, equipment, information and services integrated into the Products and Services.

#### References

Seller shall reference the following documents for additional

NOE instructions and requirements:

- a. The D6-84111 Document
- b. The D012Z026-01 Document (787 only);
- c. The T89 Purchase Order Note (if applicable, all programs);
- d. The D012Z028-01 Document (if applicable, 787 only)

**SECTION 2 NONCOMPLIANCE: DESIGN ESCAPEMENT NOTIFICATION (DEN)**

Note: **\*\*Do not use the DEN process to notify Boeing of Product nonconformance escapements. Notify Boeing of nonconformance escapements using the NOE process in Section 1 of this note.\*\***

For the purposes of this writing noncompliance applies as follows:

A DEN can only be used for a noncompliance or suspect noncompliance to a design (i.e., certification, product design, and/or business agreement noncompliance) or customer requirement as defined in documented information which includes but not limited to, digital product definition data, drawings, parts lists, materials, process specifications, and verification documents.

**Note:** The steps shown herein are to be used for new or completed investigations when additional data is discovered. Please see the additional scope guidelines located at the bottom of section two.

For Product(s) delivered which have been suspected or determined to contain engineering errors, (Product does not comply with certification, Product design, and/or business agreement related airplane design requirements), Seller shall provide written notification to Boeing within 3 business days.

The Boeing notification shall include:

- a. Affected process(es) or Product(s) part 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)

Once a noncompliance or suspect noncompliance to a design or customer requirement has been verified as escaped from the supplier quality management system, all information listed in a and b above (including revisions and updates) as well as c and d listed below shall be submitted to Boeing through the Boeing supplier information system within 10 business days from the day of escape confirmation

unless otherwise agreed upon by Boeing on a case by case basis.

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 shall be made in the Boeing Customer and Supplier Data Transmittal (CSDT) system by submitting a Design Escapement Notification (DEN):

- The Boeing procurement representative will be notified by the submittal in CSDT;
- The Seller shall notify the Boeing SQR that has oversight of the Seller's facility

**Additional Scope:** This process is to be used by the seller for investigation which have been previously disposition and new information has been introduced that identifies additional scope of the original investigation. Seller shall start at the beginning of this process and submit the information as new investigation noting the earlier documentation in a manner that correlates the prior processing but clearly articulates the updated data.

Flow down

The requirements set forth above shall be flowed down by Seller to Seller's supply chain, with the modification that all supply chain notification shall pass through Seller (and not made directly from the supply chain to Boeing). Seller shall notify Boeing of all sub-tier parts which have left the Seller's production system with design errors in accordance with the respective communication process set forth herein. For purpose of this note, supply chain shall mean Seller's complete network of material, equipment, information and services integrated into the Products and Services.

Seller shall complete the DEN submittal in accordance with these requirements:

- a. D950-11041-1 Supplier CSDT User Guide
- b. Contact the Boeing Procurement Agent for access to the CSDT system
- c. D6-82240 Supplier change notification process requirements
- d. X Form X39672 (non-CSDT suppliers)

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# 9 Performance Evaluation

## 9.1 Monitoring, Measurement, Analysis, and Evaluation

No supplemental requirements.

### 9.1.1 General

No supplemental requirements.

### 9.1.2 Customer Satisfaction

No supplemental requirements.

### 9.1.3 Analysis and Evaluation

Requirement	Product Applicability	Flow-Down Applicability
Supplier Funded Source Inspection: The Supplier must maintain 99.55% or greater quality acceptance rate for BCA as shown in Enterprise Supplier Performance Measurement (ESPM). If the Supplier does not maintain 99.55% or greater may be subject to Supplier Funded Source Inspection (SFSI).	PC700 Products	N/A

## 9.2 Internal Audit

No supplemental requirements.

## 9.3 Management Review

No supplemental requirements.

### 9.3.1 General

No supplemental requirements.

### 9.3.2 Management Review Inputs

No supplemental requirements.

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### **9.3.3 Management Review Outputs**

No supplemental requirements.

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# 10 Improvement

## 10.1 General

No supplemental requirements.

## 10.2 Nonconformity and Corrective Action

Requirement	Product Applicability	Flow-Down Applicability
Verification of Corrective Action: When Boeing notifies Supplier of a detected nonconformance, Supplier must immediately take action to eliminate the nonconformance on all products in Supplier's control. Supplier must also maintain verification that root-cause corrective action has occurred and has resolved the subject condition. Boeing reserves the right to review the verification data at Supplier's facility or have the data submitted to Boeing.	PC700 Products	N/A
Corrective Action Report: When Supplier must submit a corrective action report, within the time allotted and format specified by Boeing. If after initial submittal to Boeing Supplier determines a revision is required to the report Supplier must immediately notify Boeing in writing of such revision. The notification of revision must highlight the change from initial submittal and include the purpose of the revision.	PC700 Products	N/A

## 10.3 Continual Improvement

Requirement	Product Applicability	Flow-Down Applicability
Quality Metrics & Reporting: When requested by Boeing, Supplier must work with Boeing to develop and implement processes designed to improve Supplier's quality performance during the entire Product life cycle. Processes for improvement must include sufficient detail to allow Boeing to evaluate Supplier's progress. When requested by Boeing, Supplier must share design, production and in-service support performance data.	PC700 Products	N/A



## Revision Record

<b>Release/Revision</b>	New	
<b>Contract Number (if required)</b>	NA	
<b>Limitations</b>	None	
<b>Description of Change</b>	Original Release	
<b>Authorization for Release</b>		
AUTHOR:	Patrick Whitehouse	1701704
	Name	BEMSID
	66-CT-6B30	8/22/2022
	Accounting Department	Date
APPROVER:	Gordon Barnes	103332
	Name	BEMSID
	66-CT-6B30	8/22/2022
	Accounting Department	Date
DOCUMENT RELEASE:	Angela Davidson	3315818
	Name	BEMSID
	9M-ST-EUA0	August 31, 2022
	Accounting Department	Date

<b>Release/Revision</b>	A	
<b>Contract Number (if required)</b>	NA	
<b>Limitations</b>	None	
<b>Description of Change</b>	<p>8.4.2 Type and Extent Control Remove Supplier has been granted inspection delegation authority.</p> <p>8.5.1 Control of Production and Service Provision Removed "objective" evidence.</p> <p>8.5.1.2 Validation and Control of Special Processes Removed: All composite raw materials listed in D1-4426, "Boeing Approved Process Sources" Must be shipped or manufactured by sources specified</p>	

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therein. All metallic raw materials listed in D1-4426, "Boeing Approved Process Sources" Must be supplied by sources therein or a United States source. If you are not presently on distribution for the document, a copy may be obtained by contacting the procurement representative whose name appears on the face of this order.

Supplier will use D1-4426, "Boeing Approved Process Sources", and furnish test reports and processor certification with each shipment

8.7 Control of Nonconforming Outputs. BOEING ESCAPEMENT NOTIFICATION FOR NONCONFORMANCE (Section 1) AND NONCOMPLIANCE (Section 2) language revision. Mandatory updates due to Regulatory Requirements.

Clarity regarding what data points are required to be provided to Boeing by Seller within 3 Business days and which data points are required to be provided within 10 Business days.

### Authorization for Release

AUTHOR:	Debra S Carlson-Reilly	271444
	Name	BEMSID
	66-CT-6B30	01/01/2023
	Accounting Department	Date
APPROVER:	Patrick Whitehouse	1701704
	Name	BEMSID
	66-CT-6B30	01/01/2023
	Accounting Department	Date
DOCUMENT RELEASE:	Tasha R. Bales	3073991
	Name	BEMSID
	9M-ST-EUA0	February 5, 2023
	Accounting Department	Date