ADDITIONAL QUALITY ASSURANCE REQUIREMENTS -The below terms and conditions supplement the quality assurance provisions set forth in the applicable Contract or Agreement between the Parties (i.e. the BCA Supply Chain Agreement (BSCA), SBP, GTA, etc.).

Sections, sub-sections, and individual items the Supplier must flow-down to its Supply Chain are identified by "(Flow-down to Supply Chain)."

Section 1: Quality System (Flow-down to Supply Chain):

a) The Supplier must maintain an accredited Industry Controlled Other Party (ICOP) certification in accordance with the following Aerospace QMS Standards and their international equivalents:
- AS9100 for Supplier's (see Boeing document D6-82479 Appendix A for applicability)
- AS9110 for maintenance and repair (see Boeing document D6-82479 Appendix C for applicability)
- AS9120 for distributors (see Boeing document D6-82479 Appendix D for applicability)

b) The Supplier must comply, as applicable to the product being provided, with the following standards and their international equivalents:
- AS9103 for variation management of key characteristics (see Boeing document D6-82479 Addendum 1 for applicability)
- AS9115 for deliverable software (see Boeing document D6-82479 addendum 2 for applicability)

c) Boeing reserves the right to make final determination of Supplier's compliance to the below aerospace standards.

d) Supplier must achieve and maintain a quality management system (BQMS) acceptable to Boeing for Products procured under this Agreement. Supplier may view additional BQMS information by selecting "Supplier Quality" from the menu bar of "Doing Business with Boeing" home page located at the following URL address: http://www.boeingsuppliers.com. When entering the URL, use lower case letters only.

e) All work performed by the Supplier must be in accordance with one or more of the below listed Aerospace Standards. The Aerospace Standard(s) applicable to Supplier's statement of work is determined by Boeing Purchase Order (PO)

Note or Quality Clause set forth by Boeing purchase contract or purchase order.

f) The Supplier must flow down to its Supply Chain the requirements stated in Boeing document D6-82479 (“Supplemental Boeing Quality Requirements”) sections 3.1, 3.3, 3.4, 3.9, 3.10, and 3.12.

Aerospace Standards and applicable PO Notes or Quality Clauses:

- Document AS9100 “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. Any one of the following PO Notes apply AS9100 certification to Supplier: Q20, Q21, Q22, Q23 and Q29.

- Document AS9110 “Quality Management Systems – Requirements for Aviation Maintenance Organizations” as may be revised from time to time, which is incorporated herein and made a part hereof by this reference. Any one of the following PO Notes used in conjunction with PO Note Q01 apply AS9110 certification to the Supplier: Q41, Q42, Q44, Q45, Q46 and Q47.

- Document AS9120 “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. PO Note Q33 applies AS9120 certification to the Supplier.

- Document AS9103, “Aerospace Series – Quality Management Systems – Variation Management of Key Characteristics” as may be revised from time to time, which is incorporated herein and made a part hereof by this reference. PO Note Q21 in conjunction with Q29 applies AS9103 conformance to Supplier.

- Document AS9115, “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 part hereof by this reference. PO Note Q22 in conjunction with Q29 applies AS9115 conformance to the Supplier.

Sub-section A: Aerospace Quality Management System (AQMS) Certification

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 date to Supplier's certification or registration body (CB).

Sub-section B: Application of Acceptance Authority Media (AAM) (Flow-down to Supply Chain):

a) The Supplier must comply with AS/EN/JISQ 9100 and 14 CFR Subchapter A Part 3 Subpart D requirements regarding the application of Acceptance Authority Media.

b) The Supplier must clearly define within its QMS how the use of AAM provides evidence of manufacturing process control and test/inspection status.

c) The Supplier must be able to provide evidence of communication and training to its employees that:
   - The application of AAM provides evidence of manufacturing process control and test/inspection status.
   - Any fraudulent, false or misleading use of AAM is considered a violation of federal regulation.

d) The Supplier must maintain compliance to the AAM requirements by assessing its process and Supply chain as part of its audit activities.

Sub-section C: Purchase Order Notes

Individual Purchase Order (PO) notes, as revised from time to time, are applicable when identified on the Contract/Purchase Order. Standard PO note codes and affiliated text are available within the "Supplier Quality" webpage at: http://www.boeingsuppliers.com.

Section 2: Production Certificate and Business Requirements – General

a) **English Language (Flow-down to Supply Chain):** At Boeing's request, the Supplier and its Supply Chain must provide quality and engineering information/data, in the English language, on media specified by Boeing.

b) **Quality Metrics & Reporting:** When requested by Boeing, Supplier agrees to 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 agrees to share performance data including but not limited to design, production and in-service support data.

c) **Product Acceptance:** The Supplier must guarantee that all products, articles, or services—including components sourced from or provided by subcontractors, Suppliers, or Boeing—meet Boeing's requirements before being shipped to Boeing or Boeing's customers.

   The Supplier is responsible for conducting all tests, inspections, and other quality controls of the Product during receiving, manufacturing, and through the Supplier's certification of conformance. The Supplier agrees to provide copies of test, inspection, and other product verification data upon request from Boeing's procurement agent.

   Supplier sampling plans must comply with Boeing document D6-87617 ("Quality Requirements for Sampling Inspection Plans"). The Supplier must perform 100% inspection of product characteristics defined in sampling plans until Boeing approves the sampling plan in writing.

d) **Supplier funded source inspection (SFSI):** The Supplier must maintain 99.55% or greater quality rate for BCA as shown in Enterprise Supplier Performance Measurement (ESPM). If the Supplier does not maintain 99.55% or greater, the Supplier may be subject to Supplier Funded Source Inspection (SFSI).

e) **Verification of Corrective Action:** When Boeing notifies the Supplier of a detected nonconformance, the 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.

f) **Corrective Action Report:** When the Supplier is requested to submit a corrective action report, the report must be submitted within the time allotted and format specified by Boeing. In the event the Supplier is unable to respond within the allotted time frame the Supplier must submit a written request for extension, subject to Boeing's approval. The request for extension must include the reason for the extension and the additional time needed to complete the report. If after initial submittal to Boeing the Supplier determines, a revision is required to the report, the 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.

g) **Acceptance/Rejection of Supplier's Root Cause/Corrective Action:** Boeing reserves the right to reject any root cause and or corrective action determination provided by the Supplier and may request subsequent investigation and/or corrective action to either Boeing or Supplier-initiated corrective action requests. If the Supplier is late in responding to corrective action requests by Boeing, or if Boeing requires subsequent corrective action, Boeing reserves the right to withhold acceptance of shipments either at source or destination until Supplier's corrective action is submitted to Boeing's satisfaction.

h) **Work Transfer (Flow down to Supply Chain):** The Supplier and its supply chain obtain Boeing's written approval before commencing a Work Transfer. To request Boeing's written approval, the Supplier must fill out and submit Boeing form X35781 ("Supplier Initiated Work Transfer Notification").

i) **First Article Inspection/Boeing First Article Requirement (Flow-down to Supply Chain):** The Supplier must perform FAIs in accordance with AS/EN/SJAC 9102 ("Aerospace First Article Inspection Requirements"). Boeing reserves the right to conduct oversight and/or verification of the supplier's FAI (commonly known as a BFAI).

For FAIs completed on or after January 1, 2024, the Supplier must electronically fill out and complete Forms 1, 2, and 3 utilizing Net-Inspect and make those forms available to Boeing. The Supplier must also submit FAIs within the Net-Inspect software, designating Boeing Commercial Airplanes as

the “customer.”

For FAIs completed by the Supplier’s Supply Chain on or after January 1, 2024, the Supplier or its Supply Chain must fill out and complete Forms 1, 2, and 3 utilizing Net-Inspect and make those forms available to Boeing.

The Supplier and its Supply Chain are not permitted to ship product to Boeing until all applicable FAI requirements have been completed.

j) **FOD Prevention Program (Flow-down to Supply Chain):** The Supplier must comply with AS/EN/SJAC 9146 (“Foreign Object Damage (FOD) Prevention Program – Requirements for Aviation, Space, and Defense Organizations”).

Aerospace standards such as AS9146 can be obtained from SAE International at http://standards.sae.org

k) **Excess Inventory (Flow-down to Supply Chain):** When fulfilling an order with product from excess inventory, for which the Supplier was the original manufacturer, the Supplier must be able to demonstrate traceability to the original Boeing purchase document that authorized manufacture of the product.

The Supplier must not provide product from excess inventory that was previously rejected or returned by Boeing without prior written authorization from Boeing.

l) **Tooling:** The Supplier must comply with the requirements of Boeing document D33200-0, Boeing Supplier’s Tooling Document. It is the Supplier’s responsibility to comply with the latest revision of these documents.

m) **Boeing Document D1-4426, “Approved Process Sources” (Flow-down to Supply Chain):** The Supplier must utilize and comply with Boeing document D1-4426 (“Approved Process Sources”), which is available at: http://active.boeing.com/doingbiz/d14426/index.cfm.

Note: The Supplier must flow the requirements specified in Appendix D to D1-4426 to its Supply Chain, as applicable.

Where Boeing specifications require the Supplier to use approved processors, the Supplier must flow this requirement to its Supply Chain

n) **Metallic raw materials (Flow-down to Supply Chain):** For procurements made after November 1st, 2025 outside of the Boeing Raw Materials Strategy (BRMS), the Supplier must comply with SAE AS6279 ("Standard Practice for Production, Distribution, and Procurement of Metal Stock") for procurement, distribution, and production of all Boeing D042T601 ("Requirements for Engineering Approval of Metallic Raw Material Suppliers") controlled metallic raw materials as listed in D1-4426 ("Approved Process Sources"). Supplier will maintain a documented chain of custody on these materials.

A chain of custody is an unbroken chain of documentation, that:

a) Maintains full traceability of the material's unique identity with all heat, lot, and batch information from the original producer, through intermediate processing, distribution, and on to the consuming supplier.
b) Shows each AS/EN/SJAC/IA 9100 or AS/EN/SJAC/IA 9120 accredited Distributor or intermediate producer taking possession of the materials, with documentation traceable to the original mill producer's certification.
c) Contains certifications of conformity and pack list documents with the physical manufacturing and distribution address locations clearly identified; listing the "received from" and "ship to" location addresses, and date(s) of transfer.
d) Certifications of conformity and chain of custody evidence will be verified to be acceptable and kept as a documented information requirement by the purchaser.

o) **Requirements Consumption Review (RCR):** Is used to establish confidence that Supplier understands contractual and engineering requirements imposed on this contract. The goal of the RCR is to deploy a collaborative tool for earlier supplier engagement to ensure the successful execution of contract and/or technical requirements. If an RCR is deemed required by Buyer, Buyer's Supplier Quality Representative/Engineer and/or Procurement Agent will communicate and coordinate with the Supplier to schedule the RCR as an early involvement activity, intended to be performed prior to start of manufacturing and/or servicing of goods. RCR may be conducted at Buyer's discretion on existing production to identify and mitigate risks in the supplier requirement consumption process. The Supplier must make records of contract requirements review, production planning, training and any other applicable records readily available at time of RCR. Buyer reserves the right to review Supplier's flow-down of contracts and engineering requirements to the Supplier's subcontractor(s).

p) **Measurement tolerance ratios (Flow-down to Supply Chain):** Measurement & Test Equipment (M&TE) must maintain a minimum tolerance ratio (TR) of 4:1 or a formal measurement evaluation must be performed, documented, and maintained in accordance with ASME B89.7.3.1-2001 (Guidelines for Decision Rules: Considering Measurement Uncertainty in Determining Conformance to Specifications) to verify equipment capability.

q) **Periodic test requirements (Flow-down to Supply Chain):** Supplier will conduct metallic material periodic testing for all D042T601 Engineering-approved metallic raw materials listed in D1-4426; and for all: Titanium alloys, Nickle-based alloys, and Steel alloys produced to SAE specifications or BMS7-series Boeing Material Specifications.

When the metallic material specification has defined acceptance criteria, the periodic tests shall be performed on the following properties:

- Aluminum alloys

- Composition, Tensiles, Hardness, Conductivity, Compression, and Bend.

- Titanium alloys

- Composition, Tensiles, Microstructure, Macrostructure, Grain Size, Surface Contamination, and Bend.

- Steel & Nickel-based alloys

- Composition, Tensiles, Microstructure, Macrostructure, Average Grain Size, Decarburization, Microhardness, Hardness, and Bend.

When the applicable specification contains no specified purchaser or periodic test frequency, test intervals shall be defined and documented by the Supplier based on a risk assessment performed under AS/EN/SJAC/IA 9100 for each producer source of material specification, project form, alloy, class, and grade.

Note: These periodic test requirements are in addition to the requirements of D6-82479, and to any purchaser acceptance requirements in the raw material specification. When applicable, Aluminum alloy chemistry/composition on wrought intermediate of final product forms, may be tested within the sampling guidelines of ASTM B985.

Section 3: Production Certificate and Business Requirements Specific to Supplier's Statement of Work

a) **Boeing Document D6-51991 (Flow-down to Supply Chain):** For any Boeing-contracted Supplier location that utilizes Boeing-furnished type design

Digital Product Definition (DPD) for manufacturing or inspection or that flows the Boeing-furnished type design DPD to its Supply Chain for such purposes, the Supplier must comply with D6-51991 (“Quality Assurance Standard for Digital Product Definition (DPD) at Boeing Suppliers”) and obtain Boeing DPD capability approval.

b) **Advanced product quality planning (APQP):** The Supplier and Supplier’s supply chain must comply with the requirements in Boeing form X38656 (Advanced Product Quality Planning (APQP) & Production Part Approval Process (PPAP)”) for the part numbers identified in the supply contract or its attachments as subject to APQP requirements.

c) **FAA Form 8130-9 “Statement of Conformity” (Flow-down to Supply Chain):** When the Supplier is authorized to compete FAA form 8130-9 (“Statement of Conformity”) on behalf of Boeing, the Supplier must adhere to the requirements outlined in Boeing document D6-83570 (“8130-9 Conformity Inspection Requirements”) and follow the instructions in FAA form 8120-10 (“request for Conformity”).

d) **AS9117 Delegated Product Release Verification (Flow-down to Supply Chain):** When the Supplier delegates product verification, Supplier must conform to the requirements of AS9117, "Delegated Product Release Verification," as may be amended from time to time. Buyer reserves the right to conduct surveillance at Supplier's facility to determine that Supplier's quality system conforms to the requirements of AS9117.

AS9117 established minimum requirements for the Supplier’s delegation of product verification. When delegating product verification, the Supplier is not relieved of its obligations under this contract.

Aerospace standards such as AS9117 can be obtained from SAE international at http://standards.sae.org

e) **Operator Self-Verification Program (Flow-down to Supply Chain):** When the Supplier utilizes an Operator Self-Verification (OSV) program, the Supplier must comply with the requirements of AS/EN/SJAC 9162 (“Aerospace Operator Self-Verification Programs”).

When the Supplier allows its Supply Chain to utilize OSV, the Supplier must flow this requirement to its Supply Chain.

f) **Request for Boeing Material Review Board (MRB) Dispositions:** If the Supplier is not granted MRA, or a nonconforming condition exceeds the scope of the Supplier's delegated MRA, the Supplier must submit the nonconformance to Boeing for disposition in accordance with Boeing document D6-84111 ("Quality Assurance Requirements").

Boeing disposition must be provided to the supplier prior to modification of the nonconforming product.

g) **Nonconformance Use-As-Is and Repair Dispositions:** To apply "use-as-is" or "repair" dispositions to nonconforming products, the Supplier must be granted Material Review Authority (MRA) in accordance with Boeing document D-13709-4 ("Material Review Requirements for Boeing Commercial Airplanes Build to Print Suppliers") or Boeing document D-13709-5 ("Material Review Requirements for Boeing Commercial Airplanes Suppliers with Design Responsibility").

h) **Customer Sensitive and Aesthetic Acceptance Criteria:** The Supplier must assess and process "use-as-is" or "repair" dispositions in accordance with Boeing document D6-86587 ("Boeing Commercial Airplanes (BCA) Customer Sensitive Items and Aesthetic Acceptance Criteria").

i) **Supplier Nonconformance escapement notifications (Flow-down to Supply Chain):** The Supplier must notify Boeing within 3 business days from the day of discovery of a potential or known nonconformance escape. If Boeing Engineering deems the condition to be potentially safety-critical, submit all available information immediately.

The Supplier must flow notification of potential of known nonconformance escape requirements to its supply chain.

For the 787 program, the Supplier must comply with the requirements in Boeing document D012Z026-01 ("787 Partners/Suppliers: Process Responsibilities for Nonconformances and Corrective Action"). For all other models, the Supplier must comply with the requirements in Boeing document D6-84111 ("Quality Assurance Requirements").

Section 4: BGS-C Unique Quality Purchasing Data Requirements

a) McDonnell Douglas (MD) Heritage Spares – The Supplier's parts containing metallic raw material from foreign sources must be procured in accordance with DMS2201, Procurement from Foreign Sources - Metallic Raw Materials QPL (Qualified Product List) and D1-4426 Approved Process Sources Metallic Raw Materials – Non-USA & Titanium Ingot (All) - process codes 600-699. Supplier must maintain on file a certification traceable to each product listing the material and the foreign sources' name and address.

b) Material Substitution Requests - Material Substitutions are a change to Type Design Data and require an EO/SEO to the applicable drawing, or inclusion in the Approved Material Substitution List (AMSL) or Part Specific Approved Material Substitution list (PSAMSL) as applicable. Suppliers must submit material substitution requests on an Engineering Liaison Request (ELR) to the Boeing Procurement Agent. Material Substitutions listed in the AMSL or PSAMSL do not require additional Boeing authority. The Supplier is authorized to utilize the listed substitutions within the guidelines and requirements of the AMSL/PSAMSL.

c) Where Boeing specification and/or processes are listed within the detail design, specification control, or envelope drawing, incorporated by this purchase document, Supplier must adhere to the latest revision of the Boeing specification and/or process, unless otherwise specified in the purchase document.