AC Incorporated Quality Clauses

001. **Quality System:** The supplier shall maintain a Quality System that is in compliance with ISO 9001:2015, AS9100, or NADCAP AC7004 for both inspection & test.

002. **Supplier Control:** Suppliers shall conform to drawings and specification requirements. Supplier's system shall ensure flow-down of all applicable quality and technical requirements, capabilities to produce products and adequate methods of assuring compliance. Suppliers shall ensure all flow-down of quality and technical requirements to sub-tier suppliers.

003. **Sub-Tier Supplier Approval:** The supplier CANNOT subcontract to a sub-tier facility without prior written approval from AC Incorporated unless the sub-tier is approved by AC Incorporated's customer (the customer for whom work/process is being performed).

004. **System to Control Processes:** Supplier is responsible for maintaining a system to control processes under this order at their facilities as well as processes performed at sub-tier contractors. Supplier shall perform systematic, periodic evaluations of equipment, methods and material required in performance of processes to ensure positive control. Supplier shall perform on-site surveys of sub-tier contractor processes prior to initial performances of process activity and no later than every two years thereafter unless otherwise specified in this order.

005. **Lockheed Martin Approved Supplier:** Purchases and any processes being performed on this order are directly related to a Lockheed Martin purchase order. Therefore, the supplier must be listed in Lockheed Martin's supplier database as an approved supplier for purchases and for any special processes required.

006. **D6-82479 Boeing Quality System:** Seller is required to maintain a Quality System in compliance with Boeing document D6-82479, BQMS Requirements for Suppliers and Appendix B to such document as each may be amended from time to time. AC Incorporated/Boeing reserves the right to conduct surveillance at seller's facility to determine that seller's Quality System meets the requirements as set forth herein. A copy of Boeing Document D6-82479, BQMS Requirements for Suppliers, including all appendices and addenda can be obtained at the following website.
https://www.boeingsuppliers.com/content/dam/boeing/boeingsuppliers/boeing-suppliers/becoming/quality/D6-82479.pdf

007. **Calibration System:** The supplier shall have a calibration system which meets the requirements of NIST/Nyvlap or newest revision of ISO 17025.

008. **Acceptance Test Procedure:** The supplier shall develop a separate detailed test procedure which encompasses the final acceptance/verification requirements of the specification(s) listed in the purchase order. This Acceptance Test Procedure and any subsequent changes shall be approved by AC Incorporated prior to use.

009. **Special Processes and Certification:** Suppliers engaged in the performance of special processes activity include but not limited to, Radiography, Ultrasonic, Magnetic Particle, Liquid Penetrant, Eddy Current, Heat Treat, Welding, Soldering, Chemical Conversions, Plasma Spraying, Plating, Physical Destructive and Nondestructive Testing, Potting and Molding, Conformal Coating, Environmental Testing, Priming and Painting etc. must submit an applicable procedure to AC Incorporated for approval prior to the initiation of production efforts. The supplier shall obtain AC Incorporated approval of all special processes to be used in the performance of this contract. If any changes in the certification, qualifications, and/or processes are made, resubmittal and re-approval is mandatory. An AC Incorporated survey of operations may be required before re-approval is given.

010. **Special Process Re-Certification:** The supplier shall be responsible for any and all special process certification expirations. The supplier shall notify AC Incorporated six (6) months prior to certification expiration due dates so a survey can be initiated from AC Incorporated customers.

011. **Government Required Inspection:** Government inspection and/or test witnessing is required prior to shipment from your plant. Upon receipt of this order, promptly notify the Government Representative who normally services your plant so that appropriate planning for Government inspection can be accomplished. The Government Representative and AC Incorporated shall be notified forty-eight (48) hours in advance of the time hardware and/or materials are ready for inspection or test. The supplier shall furnish copies of purchasing documents to the Government Representative upon their request. In the event a Government Representative cannot be located, AC Incorporated's purchasing agent should be notified immediately.

012. **100% Inspection:** The supplier shall perform and record 100% inspection of all measurable characteristics (attribute data) for each part I.A.W appropriate drawing & specifications. This data shall be submitted to AC Incorporated and include allowable tolerance limits, actual measurements and instruments used including an identifying number for the instrument if applicable.

013. **First Article Inspection (AS9102):** The supplier shall maintain internal processes for the accomplishment of each First Article Inspection (FAI) in accordance with the latest revision of AS9102. If the supplier has delivered an acceptable FAI of the same configuration to AC Incorporated within twelve (12) months, the FAI requirement is waived. The First Article Inspection Report (FAIR) shall accompany the shipment. AS9102 forms 1, 2, & 3 shall be completed in full.

014. **Documentation Retention:** The supplier shall retain objective evidence records of the manufacture, assembly, test, inspection, and result(s) of any special processes performed on items AC Incorporated has purchased from them for a period of ten (10) years after the contract is complete. These records shall be made available to AC Incorporated upon request.

015. **Shelf-Life Control:** All items with limited shelf-life shall be clearly marked with the manufacturer's name, type of material, shelf-life date of manufacture and usability limiting date. A minimum of Seventy Five percent (75%) of shelf life must be remaining on all items on this order. Supplier shall state in shipping documents if items have no shelf-life limitations.

016. **Control of Material Supplied to Supplier by AC Incorporated:** If material is provided to a supplier by AC Incorporated, a copy of the AC Incorporated initial shipping document to the supplier must accompany the return shipment to AC Incorporated along with a certification that all supplier items shipped were from the material provided to them by AC Incorporated. Certifications verifying and conforming this must be dated and signed by an official of your organization. All unused material provided by AC Incorporated (including any drop) must be returned to AC Incorporated and identified with purchase order number and material type unless otherwise directed by AC Incorporated buyer.

017. **Packaging:** The supplier's Quality Control organization shall be responsible for ensuring that items of this procurement are packaged in such a manner that the dimensional integrity is preserved, contamination and corrosion are prevented, and no physical damage occurs or, when specified, that packaging is in accordance with the applicable Packaging, Handling, Storage, and Transportation (PHS&T) requirement cited for the order.

018. **N/A: Not required**

019. **Mercury Contamination:** Materials furnished by the supplier shall not contain mercury compounds and shall be free of mercury contamination. Materials furnished should not have come in contact with any mercury or mercury compounds or with mercury containing devices/equipment. A Certificate of Conformance with a Mercury Free statement must be provided

020. **N/A: Not required**

021. **N/A: Not required**

022. **Foreign Object Debris/Damage (FOD) Prevention:** The supplier shall maintain a FOD Program. Supplier's FOD prevention program shall include a review of design and manufacturing processes to identify and eliminate foreign object entrapment areas and paths through which foreign objects can migrate. Supplier shall ensure work is accomplished in a manner preventing FOD in deliverable hardware. Supplier shall maintain work areas and control tools, parts and material in a manner sufficient to reduce or eliminate the risk of FOD incidents. Supplier shall document and investigate each FOD incident and ensure elimination of the cause of each such incident.

Supplier FOD prevention program shall contain the following:

A. An identified FOD control responsible for implementing FOD prevention, awareness and training.

B. Shall include periodic self-assessment of its internal FOD prevention practices and measure effectiveness of program compliance to requirements.

C. Shall provide annual FOD training to its employees.

D. Shall have guidelines for closing inaccessible or obscured areas and compartments during assembly for the prevention of FOD entrapment.

E. Shall have a method to flow down these requirements to sub-tier suppliers.

F. Delivery of product shall be deemed as delivered FOD free.

023. **N/A: Covered by 005**

024. **N/A: Covered by 005**

025. **Government Source Inspection:** The Government has the right to perform Government quality assurance at the supplier's plant as may be necessary to determine contract requirements on all supplies or services included in this contract are being met and/or followed.

026. **NASA Government Source Inspection**: All work on this contract is subject to inspection and test by the Government at any time and place. The Government quality representative who has been delegated NASA quality assurance functions on this contract shall be notified immediately upon receipt of this order. The Government representative shall be notified forty-eight (48) hours in advance of the time items are ready for inspection or test.

027. **DOD Government Source Inspection:** Notice- Government Inspection required prior to shipment from your plant. Upon receipt of this contract, promptly notify the Government Representative who normally services your plant so that appropriate planning for Government Inspection can be accomplished.

028. **N/A: Covered by 011**

029. **Customer Right of Inspection:** AC Incorporated's customer has the right to inspect any or all work included in this contract at the supplier's facility at any time.

030. **Customer Mandatory Source Inspection:** Source inspection by AC Incorporated's customer is required on this contract.

031. **AC Incorporated's In-Process Source Inspection:** All work performed under this contract requires in-process AC Incorporated source inspection. Notify the AC Incorporated buyer as work planning is identified and seventy-two (72) hours prior to initial product work being performed for in-process source inspection requirements. Evaluation of personnel, equipment, methods, and items may be concluded to determine compliance to the contract requirements.

032. **AC Incorporated Final Source Inspection:** All work performed under this contract requires AC Incorporated inspection and test verification at the supplier's facility. Notify the AC Incorporated buyer at least seventy-two (72) hours in advance of the item being ready for final source inspection.

033. **Compliance to Purchase Order:** The Supplier shall provide a signed hardcopy Certificate of Conformance validating and confirming that all shipped items supplied to AC Incorporated under this contract are as specified within the associated Purchase Order.

034. **N/A: See 033**

035. **Statement of Quality:** If the supplier does not have the latest ISO 9001 certification, a signed Statement of Quality must be provided to AC Incorporated. This will include attestation that all required inspections and tests will be performed and found to comply with the requirements of this contract and any specifications therein. This statement must be signed, dated, and the signer's position or title given on an official company letterhead. The statement must identify the purchase order(s) to be fulfilled. A copy of AC Incorporated document AC 036 "Supplier Self Survey List" must be filled out by supplier and returned or already be on file.

036. **Qualified Products Requirements:** Parts shall be procured only from manufacturers (or their authorized distributors) that are listed on the Qualified Products Lists (QPL's).

037. **Inspection and Test Reports (Actual):** The supplier shall submit signed inspection and test reports with actual results proving conformance to the applicable drawings and specifications for items shipped under contract.

038. **Material Test Reports (Actual):** The supplier shall submit a signed **chemical and physical** test report per the applicable specification for the material shipped under this contract with the actual test results from samples of **this specific material.**

039. **Physical Test Reports (Actual):** The supplier shall submit a signed **physical** test report per the applicable specification for the material shipped under this contract with actual test results from samples of **this specific material.**

040. **Chemical Test Reports (Actual):** The supplier shall submit a signed **chemical** test report per applicable specification for the material shipped under this contract with actual test results from samples of **this specific material.**

041. **Material Test Reports (Typical):** The supplier shall submit a signed **chemical and physical** test report for all material shipped under this contract. The report may include typical results **from samples representative of this material.**

042. **N/A: Covered by 015**

043. **Inspection Plans:** Inspection plans for control of articles furnished in accordance with the purchase order shall be prepared and specifically written to outline the product flow from receipt of materials through fabrication/assembly, inspection(s), and any test procedure(s). The inspection plan shall define any inspection points throughout the manufacturing/assembly sequence and describe the inspections and how results will be recorded. This inspection plan and any subsequent changes shall be approved by AC Incorporated prior to use.

044. **Quality Manual:** A copy of the supplier's Quality Manual, or equivalent, shall be submitted for review before the work on this contract begins.

045. **N/A: Covered by 008 and/or 043**

046. **N/A: Covered by 043**

047. **N/A: Obsolete**

048. **N/A: Obsolete**

049. **N/A: Obsolete**

050. **Calibration Certificate**: A signed calibration certification is required with each item certifying it has been calibrated and that its accuracy is traceable to the National Institute of Standards and Technology (NIST). The certification shall give the applicable NIST report number(s) to which accuracy is traceable.

051. **N/A: Covered by 033, 008 and or 043**

052. **N/A: Covered by 014 and 033**

053. **N/A: Covered by 014**

054. **N/A: Covered by 014**

055. **N/A: Not required**

056. **N/A: Not required**
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057. **N/A: Not required**.

058. **N/A: Not required**

059. **SDS:** A Safety Data Sheet shall be provided for any hazardous material delivered to AC.

The hazardous material shall be labeled with:

A. Chemical name, common name, or trade name.

B. Appropriate hazard warnings including exposure health hazards, first aid and emergency procedures.

C. Name, address, and phone number of the manufacturer or other responsible party.

060. **Certificate of Air Transportability:** Hazardous material shall be certified to be air transportable as delivered to AC Incorporated or shall state what additional actions are required to make it air transportable. The Department of Transportation classification number (UN xxx, NA xxx, etc.) shall be provided on the item's container or in supplied documentation that accompanies the item.

061. **Part Identification for Shipping:** Before shipment to AC Incorporated, all items and sub-packages including raw materials (plate, bar, extrusions sheet, etc.) supplied under this contract shall be identified with complete nomenclature and part number as specified by the applicable drawing, specification, catalog, purchase order, etc. Containers shall be identified on the outside with the AC purchase order number.

062. **N/A: See 033**

063. **Product Nonconformance:** Items that do not conform to the requirements of this contract shall not be shipped to AC Incorporated without first having written approval from the AC Incorporated Quality Manager. Once approved for return, request the return shipment through the AC Incorporated buyer. Failure to comply may result in return of shipment at the supplier's expense. Anything supplied under this purchase order or subcontract which is returned to the supplier by AC Incorporated because of a supplier nonconformance and is subsequently resubmitted by the supplier to AC Incorporated must be accompanied by a written description of the rework accomplished to correct the nonconformance, a Certificate of Conformance for the reworked part(s) or material(s) and what corrective action is being taken to prevent recurrence along with objective evidence of the corrective action. If non-conforming materials or parts are replaced and not reworked, a new Certificate of Conformance must accompany the replacement materials or parts.

064. **N/A: Covered by 009**

065. **Configuration Control:** The supplier agrees not to make any changes in items delivered under this contract at any point in time that would affect physical or functional interchangeability, reliability, or repair and maintenance operations unless the part identification is changed.

066. **First Item Inspection:** The supplier must provide a sample first item for dimensional and functional approval prior to making the production item(s). The supplier is required to perform 100% inspection/test and record the actual data for the first item of this contract. The records shall identify each characteristic, the allowable tolerance limits, and the actual value measured. The first item inspection report must accompany the first part shipment.

067. **Equipment Calibration:** Assembly tools requiring calibration and any test and/or measuring equipment which is used for assembly, testing, or inspection must be appropriately calibrated with recorded traceability to NIST/Nyvlap standards or newest revision of ISO 17025.

068. **Raw Metals:** Raw metals (plate, bar, extrusions, sheet, etc.) must be identified by the producing mill identifying alloy and condition (if applicable). If metal are not mill marked, actual chemical test data is required except for aluminum. On aluminum, actual physical and typical chemical data is acceptable.

069. **Government Industry Data Exchange Program (GIDEP):** Supplier shall have an active membership with GIDEP.

070. **N/A: See 069**

071. **Defense Contract Management Agency (DCMA):** DCMA inspection is not required at your facility. DCMA inspection will be performed at AC Incorporated Receiving Inspection.

Boeing MK631

Q009. ISO 9001 QUALITY MANAGEMENT SYSTEMS
Q011S. SUPPLEMENTAL QUALITY REQUIREMENTS
Q029. DIGITAL PRODUCT DEFINITION (DPD)
Q053. BUYER'S SOURCE INSPECTION REQUIRED
Q074. FIRST ARTICLE INSP AND BOEING FIRST ARTICLE INSP
Q132. COUNTERFEIT PARTS DETECTION AND AVOIDANCE SYSTEM
Q186. FOD PREVENTION PROGRAM
Q227. RETENTION OF RECORDS
Q300. CORRECTIVE ACTION
Q320. SELLERS NOTIFICATION OF ESCAPEMENT
Q836S. NONCONFORMANCE DOCUMENT PER IR 0451
Q927. AS9117 RQMT FOR DELEGATED PROD RELEASE VERIFCATION

Boeing MK607

Q009. ISO 9001 QUALITY MANAGEMENT SYSTEMS
Q011S. SUPPLEMENTAL QUALITY REQUIREMENTS
Q020. D1-4426 APPROVED PROCESS SOURCE
Q029. DIGITAL PRODUCT DEFINITION/ MODEL BASED DEFINITION
Q053. BUYER'S SOURCE INSPECTION REQUIRED
Q074. FIRST ARTICLE INSP AND BOEING FIRST ARTICLE INSP
Q091. SELLER/MANUFACTURER COC - DELIVERABLE
Q132. COUNTERFEIT PARTS DETECTION AND AVOIDANCE SYSTEM
Q186. FOD PREVENTION PROGRAM
Q227. RETENTION OF RECORDS
Q300. CORRECTIVE ACTION
Q320. SELLERS NOTIFICATION OF ESCAPEMENT
Q836S. NONCONFORMANCE DOCUMENT PER IR 0451
Q927. AS9117 RQMT FOR DELEGATED PROD RELEASE VERIFCATION