

MSP Aviation – Quality Management System (QMS)

NOTE: IF UNSIGNED OR CARBON COPIED, THIS DOCUMENT IS UNCONTROLLED.

MSP Purchase Order Quality Assurance Requirements

Number	Title	Text of Requirement
01	Document Retention	The supplier must retain all quality-related documents for minimum of 11 years. and shall include but are not limited to, such items as: Receiving/ Receiving Inspection, First Article Inspections, In-Process and Final Inspection results, Traceability and Serialization, Calibrations, completed Manufacturing Plans, Process Certifications, actual test data of all tests performed, and any other applicable inspection documents. All Inspection and test data are to be made available for review by MSP Aviation and/or Government Representative upon request. This requirement shall be communicated by Supplier to all its sub-tier suppliers.
02	Right of Access	The supplier will permit MSP, its customers, and regulatory Agency Representative access to all facilities and pertinent quality records pertaining to this Purchase Order at the expense of the supplier.
03	Notification of Nonconformance	The supplier will notify MSP via e-mail to sales@msp-aviation.com of any non-conformance. Under no circumstances do we grant disposition of non-conforming product.
04	Material Review	The supplier is NOT authorized to deviate from the supplied documentation unless authorized in writing prior to shipment
05	Special Processes	All suppliers shall provide Certificates of Conformance or test reports, as required in execution of this Purchase Order.
06	Flow Down of Requirements	The supplier shall impose requirements upon his vendors as appropriate to maintain compliance with the requirements of this purchase order. If any changes to the manufacturing method or programs are required, the supplier must notify MSP.
07	Vietnam Era Veteran's Recovery Act	The supplier shall comply with the Equal Opportunity for Disabled Veterans and Veterans of the Vietnam Era Act Federal Acquisition Regulations (FAR) part 52.222-35: Section C.1 Federal Regulations (g) and Section C.15: 41 CFR 60-250.5
08	EEO	If the value of this award is greater than \$10,000, the supplier shall comply with the provisions of FAR part 52.222.26 Executive Order 11246, as amended, and 41CFR60
09	Corrective Action Response	Supplier shall provide written response to MSP's Supplier Corrective Action notice, detailing corrective action, root cause, and preventative measures for observed non-compliances to the Purchase Order requirements.
10	Quality System	The supplier shall at a minimum maintain a quality management system certified to applicable ISO 9000 series and/or AS9000 series quality standards or maintain a quality management system which complies with industry standards and specifications which is appropriate to the type of product.
11	Chemical and Physical	When required on the face of this Purchase Order, the supplier shall furnish reports documenting the physical and chemical characteristics of the articles supplied.
12	Preference for Domestic Specialty Metals	The supplier shall comply with DFARS 252.225-7014-1
13	Vendor survey	A new Supplier shall complete a Vendor Survey and agree to comply with Terms and Conditions
14	Sub-tier Approval	The Supplier shall not contract work to any sub-tier vendor until MSP has reviewed the sub-tier vendor's ability to perform and understanding of the work requirements.
15	Suppliers Material/Process	The Suppliers must provide the applicable specification page for all materials and/or processes. Material Test Reports - A Material Certification Test Report is required with each shipment. The test report shall state that the material has been tested, inspected and found to be compliant with the applicable drawings/specifications. The test report shall list the specifications/drawings including revision to which the material has been tested and traceability to the material lot. The test report shall contain the actual measurements for chemical, mechanical and physical properties.
16	Measurement Traceability	Measuring equipment shall be calibrated against measurement standards traceable to international or national measurement standards; where no such standards exist, the basis used for calibration or verification shall be recorded.
17	Certificate of Conformance	A signed Certificate of Conformance is required with all shipments. The C of C shall state that the parts or materials meet all the requirements of this order. In addition, the C of C must provide traceability to a specific manufacturing control identifier by means of a lot, batch or date code. If the parts or material were not manufactured by the

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		Supplier, the name and address of the original manufacturer must be identified. The C of C shall include MSP Aviation's PO number, Part Number, applicable drawing/specification number, revision, and quantity in shipment. The C of C shall be signed by the Supplier's authorized Quality representative.
18	Compliance with Law	<p>(a) Supplier shall comply with all the applicable provisions of all Federal, State, and Local laws and ordinances and all lawful orders, rules, and regulations hereunder; and such compliance shall be a material requirement on this contract. This shall include, but shall be limited to compliance with FAA, DOT, and other transportation regulations; as well as the Hazard Communication Standard promulgated pursuant to the Occupational Health and Safety Act.</p> <p>(b) Supplier shall control the dissemination of and access to technical data, information and other items received under this contract in accordance with U.S. export control, Foreign Corrupt Practices Act and other foreign laws and regulations.</p> <p>(c) Supplier shall comply with DFAR 252.225.770 Prohibition on Acquisition of USML items.</p> <p>(d) Supplier agrees to inform Purchaser of line item "part" export classification and foreign person(s) involved and any subsequent changes.</p>
19	Safeguarding of Unclassified Controlled Technical Information	The Supplier shall comply with DFARS 252.204.7012 SAFEGUARDING OF UNCLASSIFIED CONTROLLED TECHNICAL INFORMATION (Applies when the Supplier has unclassified controlled technical information resident on or transiting through Purchaser's unclassified information systems). Suppliers that provide services or products being sold to the Department of Defense (DoD) are required to comply with the minimum cybersecurity standards set by Defense Federal Acquisition Regulations (DFARS) 48 CFR § 252.204-7012. All DoD contractors that process, store or transmit Controlled Unclassified Information (CUI) must meet DFARS minimum security standards. DFARS provides a set of adequate security controls to safeguard information systems where contractor data resides. Based on NIST 800-171 "Protecting Controlled Unclassified Information in Nonfederal Information Systems and Organizations", manufacturers must implement these security controls through all levels of their supply chain. A minimum of CMMC Level 1 is required. CMMC Level 3 or higher may be required per contractual requirements. Ref. DFARS 252.204-7019, Notice of NIST SP800-171 DoD Assessment Requirements, DFARS 252.204-7020, NIST SP800-171 Assessment Requirements, DFARS 252.204-7021, Cybersecurity Maturity Model Certification Requirements.
20	Counterfeit Parts Prevention	The supplier shall establish and maintain a Counterfeit Parts/Material Prevention and Control Plan per P20 using AS5553 section 4 (Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition), and AS6174 section 3 (Counterfeit Material, Assuring Acquisition of Authentic and Conforming Material) to ensure that counterfeit goods are not delivered to MSP Aviation.
21	Code of Ethics	The Supplier represents that is has neither received nor given any gifts, gratuities, nor participated in any other conduct relating to this order that violates the Buyer's Code of Ethics and Business Conduct. Furthermore, the supplier affirms it conducts its business fairly, impartially, and in an ethical manner. All personnel involved in producing products or services associated with this purchase order are to be made aware of their contribution to product safety.
22	Registration, Evaluation, Authorization, and Restriction of Chemicals Regulation & Substances of Very High Concern (REACH/SVHC)	In relation to REACH, Supplier shall fully cooperate with buyer to fulfill all obligations under REACH including: (i) Supplier Shall deliver products to Buyer that do not contain any substances that are prohibited under such REACH regulations or that require registration and have not been duly registered under REACH; (ii) Supplier shall notify Buyer of any REACH substances of very high concern (SVHC) exceeding 0.1% by weight of the individual article being supplied by Supplier and shall only deliver components that contain SVHC (a) that have been authorized for their specific use or (b) the relevant use of which is exempted from authorization; (iii) Supplier shall submit to Buyer duly completed Material Declaration Forms and, to the extent necessary, Safety Data Sheets and/or safety information; (iv) Upon request, Supplier shall provide all information showing that Supplier has fulfilled its obligations under REACH (including registration and pre-registration numbers of the relevant substances); (v) Supplier shall comply with the obligations stipulated in REACH related to the identification, notification and/or authorization of substances appearing on the Candidate List or the Authorization List to the ECHA; (vi) Supplier shall comply with the obligations stipulated in REACH

		related to the restriction of substances as set out in REACH; and (vii) Supplier shall comply with the obligations relating to the classification, labelling and packaging of products as set out in Regulation (EC) No 1275/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.
23	Conflict Minerals (CMRT)	Supplier asserts that no "Conflict Minerals" were used in the processing of this product. The United States Conflict Minerals rule requires companies to provide a report to the U.S. Securities and Exchange Commission (SEC) on the due diligence processes in place to determine conflict mineral sources. Companies must also disclose the chain of custody used to avoid obtaining 4 specific minerals from countries adjacent to and including the Democratic Republic of the Congo (DRC) that are known to finance or benefit armed groups (Legal Reference: Dodd-Frank Act).
24	Anti-Slavery & Human Trafficking	All MSP Aviation agents and subcontractors must agree to comply with the Anti-Slavery and Human Trafficking Policy and all applicable anti-trafficking laws and regulations such as FAR 52.222-50 and FAR 52.222-56. MSP Aviation agents and subcontractors must have procedures to prevent trafficking in persons and to monitor, detect and terminate any agents, subcontracts or subcontractor employees that have engaged in such activities.
25	FOD Prevention	Supplier shall develop and maintain a Foreign Object Damage/Debris (FOD) Prevention Program compliant with NAS 412
26	Notice of Escape (NOE)	Supplier shall provide written notification to MSP when a nonconformance is determined to exist, or is suspected to exist, on product already delivered to MSP. Written notification shall include the following information: <ul style="list-style-type: none"> • MSP Purchase Order number(s). • Affected process(es) or product number(s) and names. • Description of the nonconforming condition and the affected engineering requirement (i.e. what it is and what it should be). • Quantities, dates, and destinations of delivered shipments. • Suspect/affected serial number(s) or date codes. • Notification must occur within three (3) business days of knowing all the above information. The requirements set forth above shall be flowed down by Supplier to Suppliers' supply chain, with the modification that all supply chain notification shall pass through Supplier (and not be made direct from supply chain to MSP). Supplier shall notify MSP of all sub-tier escapes in accordance with respective communication process set forth herein. For purpose of this note, supply chain shall mean Supplier's complete network of material, equipment, information, and services integrated into products and services.
27	FAA PMA (14 CFR Part 21)	FAA PMA (14 CFR Part 21) Production Approval Holder Quality Program Requirements – Supplier shall comply with the following: <ul style="list-style-type: none"> • Must maintain present approved Quality System & notify MSP Aviation of any changes to said system. • Must notify MSP Aviation of any changes to its certifications. • Must notify MSP Aviation of any changes to design details, materials & process previously approved for this PO or Contract. • Must maintain measuring & test equipment traceable to NIST in the performance of this PO or Contract. • Must have documented data retention control that meets CFR Part 21 requirements in the performance of this PO or Contract. • Must maintain traceability throughout the manufacturing, inspection & test systems in the performance of this PO or Contract. • All substitutes processes for which work is performed under this PO or contract must be approved by MSP Aviation. • No MRB authority is granted in the performance of this PO or Contract. • Must guarantee access to Customer / Regulatory agencies in the performance of this PO or Contract.
28	Shelf Life	Limited life materials shall have a minimum of 80% remaining life expectancy at time of receipt.

29	Critical Process	The material supplied against this order requires a "critical process" in its fabrication. Evidence of objective certification of the process and/or operators must be provided to MSP Aviation for inspection as requested.
30	Failure Analysis	Failure Analysis/Tear down Reports required. Supplier must submit failure analysis report or for FAA conformity items a tear down report. This shall document the MSP Aviation purchase order number, Defective Material Tag (DMT) number (if provided), part number, serial number, cause of the failure, corrective action to preclude recurrence and effect on other delivered product. The failure analysis / Tear down report must accompany the product when returned to MSP Aviation.
31	Test Data	Generated test data will be on file at the manufacturer's facility and will be available for review by MSP Aviation as required.
32	Test Data Deliverable	Requested test data must be furnished with the material shipped against this order.
33	Acceptance at Destination	Materials on this order will be inspected and or tested upon receipt at MSP Aviation to verify full conformance to all specified requirements. Failure to meet any specifications may result in immediate rejection and return of the material at the supplier's expense.
34	Government Source Inspection	This material is subject to evaluation by a Government representative prior to shipment. 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. If the supplier has a difficulty in locating a Government representative, MSP Aviation's Purchasing Department will provide assistance. Shipping papers for each lot shipped must bear evidence of Government surveillance in the form of authorized Government Quality Assurance Representative Signature and/or stamp.
35	Coupons/Test Specimens Deliverable	Test specimens (micro sections) and coupons, as required by controlling specification, drawing, or Purchase Order notes, must be included in each shipment against this order. MSP Aviation assumes Defense Logistics Agency (DLA) retention responsibilities.
36	First Article Source Inspection	A "First Article" Inspection for all requirements shown on the control drawing and/or specification will be performed in the presence of an MSP Aviation Representative at the supplier's facility.
37	First Piece Inspection (FPI)	<p>The Supplier shall perform a FPI the first time the Supplier produces an item for MSP Aviation or if it has been greater than 24 months since the last production of that item or there is a change to the drawing for that item. All drawing notes and dimensions shall be verified on one part. Inspection and measurement results shall be recorded, including actual measurements with location identified. Data may be in Supplier's standard format. The Supplier shall attach a removable tag to the part identifying it as the "First Piece Sample." A copy of the FPI data and sample, and material certifications for all raw materials and finishes shall be included with the shipment. This requirement does not replace any drawing or specification requirements for lot conformance inspection.</p> <p>– Additional Requirements for Machined/Fabricated Parts:</p> <ul style="list-style-type: none"> • Detailed requirements and applicable specifications are defined in the detailed part drawing. • Dimensional check shall be performed on each production lot utilizing sampling inspection in accordance with ANSI/ASQ Z1.4. Samples are to be selected randomly from the lot. Actual measurements shall be recorded for each sample, Supplier format is acceptable. • A Certificate of Conformance and dimensional data shall be supplied with each shipment. <p>Raw material C of C s shall be supplied with each shipment. MSP Aviation must be notified prior to outsourcing of any process</p>
38	Electro Static Discharge Control (ESD) Program	The Supplier shall have an established ESD Control Program in accordance with MIL-STD-1686, JESD-625 or ANSI/ESD S20.20. The Supplier shall take the necessary precautions to ensure that components and assemblies susceptible to static damage are adequately protected during manufacturing, inspection, test, packaging and shipping. Packaging shall be marked with an ESD caution label.

39	Drop Ship Items	A copy of all documentation (as required by this document) shall be shipped with the item to the ship to location on the purchase order and another copy shall be delivered to MSP Aviation's Buyer
40	Special Handing Notification	Supplier shall notify MSP Aviation of any special handling required for material being supplied to MSP Aviation. This notification may be shipped with the material or noted on the packing slip.
41	Digital Product Definition	As a part of this purchase order, Boeing or Boeing sub-contractor is providing digital product definition (DPD) material which shall be controlled, maintained, and validated in accordance with Boeing's DPD procedure D6-51991 (current revision). Within 2 weeks after the receipt of this order, the supplier shall submit procedures which demonstrate compliance with Boeing's DPD procedure D6-51991. Production shall not commence without prior and written acceptance of the DPD process by MSP Aviation Supplier Quality Assurance representative.