



KAV PO QUALITY CLAUSE LISTING

Clause Reference	Short Code	Full Description
Q001	Supplier Quality System	The supplier shall implement and maintain a Quality Management System that conforms, as a minimum, to the requirements of Federal Aviation Part 21, AS9100, ISO 9000, ISO 9001, NADCAP or to the extent imposed by the provisions of applicable drawings, specifications, and purchase orders. Kaman Aerospace may agree to less stringent Quality System requirements as befits the type of services or products provided. Kaman Aerospace and customers reserve the right to audit the supplier for products provided. Kaman Aerospace and customers reserve the right to audit the supplier for compliance to this requirement. During the performance of such audits, the supplier shall provide reasonable facilities and personnel to effectively conduct the audit.
Q001A	Right of Access	During performance of this order, Kaman Aerospace, its customer, and any regulatory agencies will be allowed the right of access to the applicable areas of all facilities, at any level of the supply chain, involved in the order and to all applicable records. The supplier shall provide reasonable and knowledgeable personnel to effectively conduct the visit.
Q001B	Supplier Quality Requirements Manual (SQRM)	Compliance to applicable sections of Kaman's Supplier Quality Requirements Manual (SQRM) is required. The SQRM is located at https://kamanairvehicles.com/wp-content/uploads/2026/01/SQRM_Rev._13.pdf . Any difficulties in accessing the SQRM should be addressed to the Kaman Buyer.
Q002	Government Surveillance	During performance on this order, your quality control system and manufacturing processes are subject to review, verification, and analysis by authorized government representatives. Government inspection or release of product prior to shipment is not required unless you are otherwise notified.
Q002A	Government Priority Rating	Orders having a government priority rating shall be identified and scheduled in accordance with the defense priorities and allocation system (DPAS).
Q003	Retention of Records	The supplier shall maintain manufacturing/inspection records for a period of ten (10) years that the item identified in this order have been produced in accordance with applicable instructions, specifications, and drawings. The evidence shall be made available to Kaman Aerospace or it's customer for inspection upon request (ref SQRM).
Q003A	Certification of Compliance	With each shipment, the supplier shall submit a certification of compliance, from the manufacturer, in accordance with applicable specification for each lot/batch number and Kaman Aerospace purchase order number for traceability. The certification shall be signed by a member of the supplier's quality department and entered on the shipping document or included as a separate document. Articles defined in this purchase order are subject to inspection at Kaman Aerospace and will not be accepted if the supplier fails to ship completed certification with the articles. Kaman Aerospace reserves the right to return non-conforming articles to the supplier at supplier's expense.
Q003B	Raw Material Test Results and Certification of Compliance	With each shipment, the supplier shall send one copy of each applicable test report, as required by the product specification(s) (as listed on the Purchase Order), to include lot/batch number tested, acceptable parameters, and results obtained. Each test shall be validated by an authorized representative of the supplier's quality department. Certification shall specify the material procured or used to comply with specifications listed on or in Engineering requirements.
Q003C	Castings and Forgings Test Results	In addition to chemical composition/physical test reports indicating the chemical composition and actual mechanical properties for each lot submitted, the applicable inspection/test data listed below will be submitted for each lot of castings or forgings as required by specification or contract Certification for magnetic particle inspection, fluorescent penetrant inspection, ultrasonic inspection, pressure test, and grain flow will be submitted with the order. Radiographic inspection results including film for each casting will be supplied."



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Q004	AS9102 First Article Inspection	The supplier shall include an AS9102 First Article Inspection Report (FAIR) for all first run machined detail parts, fabricated detail parts, fabricated assemblies and their components including hardware and any purchased product apart of the assembly. Any changes to drawing revision levels, specification changes or changes affecting fit, form or function of product provided by your company will require a delta FAIR. When documenting the FAI, the supplier may use the forms contained within AS9102 or their equivalent, so long as the forms contain all the information required by AS9102 : 100% of drawing characteristics must correspond numerically with a bubble drawing if available or translated from an IGES file onto a paper copy; nominal or actual values with tolerance ranges must be listed; if characteristics are in metric, they must be recorded in metric; applicable drawing flag or general notes must be listed; if parts have been verified to a digital model, a report must accompany the FAI; Rockwell, hardness, and conductivity readings must be recorded. Kaman Aerospace must approve all F.A.I.R. for details prior to assembly. All FAI's are subject to review by Kaman Aerospace and/or its customers and may be rejected if information is incomplete (ref SQRM).
Q004A	Dimensional Inspection Reports	Dimensional Inspection reports shall be prepared and submitted with each part/tool as required. Dimensional Inspection reports shall include part number, date, traceability / serial number, drawing or data set or CATIA revision, Inspection acceptance, and Kaman Aerospace purchase order number as a minimum.
Q004B	Inspection Report - Fit & Function	The supplier shall furnish an inspection report indicating variable data needed to specify fit and function characteristics.
Q004C	First Piece Acceptance	Supplier must perform mandatory first piece acceptance for each line item article on this purchase order prior to producing the remaining balance of the line item.
Q004D	Calibration Equipment Requirements	Calibration shall be performed in accordance with ISO 10012-1, ANSI/NC SL Z540-1, or others as applicable. All calibrations performed shall be traceable to NIST. "Certificate of Calibration" traceable to each item furnished by Kaman Aerospace. Calibration certification is required with your return shipment to Kaman Aerospace.
Q004E	Tooling Requirements	All tools manufactured or reworked shall have a Dimensional Inspection report listing the tool number, drawing & revisions, required dimensions, tolerances, actual measurements, tool weight, and stamped or signed by your quality representative. Additional information used to rework or manufacture tooling such as CATIA data, part models, masters, or splashes shall also be listed on the inspection report. Unless otherwise specified on the purchase order, all tooling shall be made or reworked to one third (1/3rd) the part drawing tolerance. All tooling shall be manufactured or reworked to the customers tooling document requirements and upon request; these documents will be furnished to you. All tooling received without a complete Dimensional Inspection report will be rejected and returned to the supplier.
Q005A	Reporting and Shipping of Non-conforming Goods	Any departure from drawings, specifications, or other purchase order requirements must be recorded on nonconformance documents and presented to Kaman Aerospace, for disposition prior to shipment from your facility. If a Kaman supplier discovers that discrepant material has been delivered, the supplier must promptly notify Kaman in accordance with contractual requirements.
Q005B	Changes in Product and/or Process	Supplier shall notify Kaman Aerospace of any changes in product and/or process, changes of suppliers, changes of manufacturing facility location and, where required, obtain Kaman Aerospace approval (ref SQRM).
Q005C	Sub-Tier Flowdown	The supplier shall flow down to sub-tier supplier the applicable requirements in the purchasing document, including key characteristics where required (ref SQRM).
Q005D	Critical Item Planning	The Supplier shall comply with critical item planning acceptance and identification requirements. Articles on this purchase order have been identified through failure mode and effect analysis as critical, Category 1 or 2. Critical categories are defined as follows: Category 1: Loss of life or vehicle Category 2: Loss of mission
Q005E	Statistical Process Control	Statistical Process Control is required on this purchase order for key characteristics/process parameters identified by drawing or specification. The supplier is responsible for implementing a control plan, appropriate process control charts, and submitting this data to the purchaser.
Q005F	Traceability of Flight Critical Parts	The suppliers program shall provide for traceability of critical flight safety parts as identified by Kaman Aerospace. Traceability shall include identification of parts with an assigned serial number and /or heat or melt numbers upon the release of raw materials and retained throughout the manufacturing cycle.



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Q005G	Root Cause/Corrective Action	The supplier shall, on request, on forms designated by Kaman Aerospace, provide statements of corrective action within seven (7) working days on failures of seller's hardware. Corrective action statements, at Kaman Aerospace's option, may require approval signature by Kaman Aerospace's customer and Government Quality representatives. All rejected articles resubmitted by supplier to Kaman Aerospace shall bear adequate identification including reference to Kaman Aerospace's rejection document (ref SQRM).
Q006A	Kaman Source Inspection	The material or parts supplied under this order is subject to mandatory source inspection at the supplier's facility by Kaman Aerospace's Quality Department prior to shipment. The seller shall notify the applicable Kaman Aerospace purchasing agent when parts are ready for source inspection.
Q006D	Government Source Inspection	Mandatory Government source inspection of material supplied under this order is required prior to shipment from your plant. Upon receipt of this order, promptly notify the government representative, normally servicing your facility. normally servicing your facility.
Q007	Control of Digital Media	The supplier shall maintain sufficient control of digital media (i.e. CATIA, IGES, etc.) as determined by the requirements listed in the Kaman Aerospace Supplier Digital Product Definition Survey . All product received from supplier shall have identification, revision, and all other information from digital media listed on certification of compliance.
Q007A	Kaman DPD Approval	Supplier shall be approved by Kaman Aerospace Supplier Quality Control before receiving Digital Product Definition/Model Based Definition media (ref SQRM 13.0).
Q008A	Test Panel Requirements	For those items which require, by specification, that a cured panel be fabricated and tested, for mechanical properties such as: tensile strength, compressive strength or flexural strength etc. or flammability properties---the supplier shall provide a duplicate cured panel dimensionally equivalent to the cured panel already prepared and tested at the supplier's facility and include this duplicate panel with the shipment.
Q008B	Temperature Sensitive Materials	All shipments of Temperature Sensitive Materials shall include a portable temperature recorder(s) when delivered. Additional portable temperature recorders are required if specified by the applicable specification.
Q008C	Shelf Life (TATS)	All Time and Temperature Sensitive Materials that have a manufacturer or specification shelf life of less than 75% remaining when delivered to our receiving dock will not be accepted. If a manufacturer cannot provide material in compliance with this policy, two requirements are mandatory, (1) a pricing concession will be made to Kaman Aerospace for the expired shelf life on the materials offered , and (2) the manufacturer must have written approval by Kaman Aerospace's Purchasing and Quality departments prior to shipping these aged materials. Kaman Aerospace's managers of Finance, Engineering, and Quality must approve any exceptions to this clause.
Q009	Special Process Requirements	Special process requirements of the drawing (NDE, NDI, Welding, Heat Treat, X-Ray, Precision Cleaning, Applied Finishes, etc.) are to be performed by Kaman Aerospace's customer specification approved sources only. This includes any sub-tier processors used by you, the supplier, to perform the special process. The Supplier shall list on the packing sheet or certificate of conformance accompanying each shipment the names of the sub-tier processors who performed the processes and a copy of the sub-tier packing sheet and/or certificate of conformance for the processes performed. The supplier shall contact Kaman Aerospace's purchasing agent for any approval questions.
Q010	AS9100 Approved Source Required	The Vendor's Quality Management System must have valid Certificate of Registration to the AS9100 specification.