
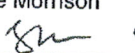
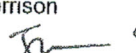
 ROGERSON KRATOS <small>Displays Flight Intelligence</small>	Quality Assurance Procurement Clauses and Flow Down Requirements		QP-001	
			Rev: W	Page: 1 of 12
	Effective: 09/11/19			
Prepared by (name, signature, date): Joe Morrison  9/11/19		Reviewed by (name, signature, date): Joe Morrison  9/11/19		Approved by (name, signature, date): Joe Morrison  9/11/19

1.0 PURPOSE

This document describes the method by which Quality Assurance Procurement Clauses will be flow down to the Rogerson Kratos (RK) Approved Manufacturers List (AML) and Approved Vendors List (AVL).

2.0 SCOPE


The procedure applies to all Purchase Orders (POs).

3.0 ASSOCIATED DOCUMENTS

AS9100D	Aerospace Standard, Revision D
ISO 9001:2015	Quality Management System
9900-0016	Purchasing and Supplier Control Procedure
9900-0016-01	Supplier Survey Questionnaire Form
9900-0016-02	Distributor Approved Vendor Survey Form

4.0 RESPONSIBILITY

- 4.1 RK Quality Assurance is responsible for approving and maintaining a current and up-to-date listing of Procurement Clauses as described in APPENDIX A, QUALITY ASSURANCE PROCUREMENT CLAUSES. Quality Assurance is also responsible for identifying the minimum flow down requirements for each Product Code as specified in Appendix B, REQUIRED QUALITY ASSURANCE FLOW DOWN CLAUSES FOR EACH PRODUCT TYPE. Quality Assurance also has approval authority over all Purchase Order deviations from the listings as described in APPENDIX A and APPENDIX B. This includes any customer specific requirements as may be specified directly in writing by the customer or through the Rogerson Kratos Program Office.
- 4.2 RK Quality Assurance is also responsible for the notification of responsible parties to update the website and PO clauses when a change is affected.
- 4.3 Purchasing is responsible for listing the appropriate procurement clauses as specified by Item Product Code and defined in APPENDIX B on all Purchase Orders. Deviations from APPENDIX A and/or APPENDIX B will require specific signed approval from the Director of Quality or designee.

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5.0 PROCEDURE

- 5.1 The Purchasing Department will assure that all special, customer-issued and regulatory quality flow down requirements are addressed. APPENDIX B is to be considered a minimum. Additional quality clauses other than those categorized in APPENDIX B will be specifically added into the PO for vendor notification when necessary.
- 5.2 Additional flow down requirements not covered in Appendix A may be added to any Purchase Order with the approval of the Director of Quality or designee
- 5.3 The Purchasing Department will insure all Purchase Orders include the following:
 - 5.3.1 Vendor is on the Rogerson Kratos Approved Vendor List (AVL). Located on the server in the AS9100/AVL folder.
 - 5.3.2 Applicable Quality Assurance Procurement Clauses and flow downs are known and all customer requirements are addressed.
 - 5.3.3 All Rogerson Kratos released documents used by the suppliers to fulfill the Purchase Order are the correct revision.

APPENDIX A

QUALITY ASSURANCE PROCUREMENT CLAUSES

- 1. RIGHT OF ACCESS:** During the performance of this order, RK personnel, RK customers, Government and/or other Regulatory Agencies shall have right to access the applicable areas of the Seller's facilities where the Purchase Order is processed. This applies to any level of the supply chain that is involved with the processing of the Purchase Order and to all applicable records. Records shall be open for review and verification. They may review the Quality Control or Inspection System in place along with workmanship and manufacturing processes.
- 2. RECORDS:** Seller shall maintain records of manufacturing and traceability of material used in the fabrication of the parts, sub-assemblies or assemblies produced in fulfillment of this purchase order. These records shall be maintained by the Seller for a period of ten (10) years after completion of the purchase order unless otherwise specified by the Purchase Order or Contract. These records shall be made available for review by authorized RK and/or government personnel.
- 3. FIRST ARTICLE INSPECTION AT SUPPLIERS FACILITY:** Seller shall perform a First Article Inspection on one (1) sample article. The sample article must be accompanied with a complete First Article Report indicating compliance to pertinent dimensions, tolerances, and verification of drawing notes and functional characteristics before submission of subsequent components.
- 4. RAW MATERIAL CERTIFICATION:** Each shipment shall be accompanied by the material certification as furnished by the material supplier or an independent test lab. Material certifications must agree in all respects with the raw material requirements of their applicable specification. All certifications shall state as a minimum, the latest revision of the Specification certified, and shall be certified by your Quality Representative.
- 5. SPECIAL PROCESS CERTIFICATION:** Each shipment shall be accompanied by the

certification for special processes used under the terms of this Purchase Order. Special processes include, but are not limited to, heat treating, magnetic particle inspection, penetrate inspection, ultrasonic inspection, vacuum brazing, and plating. The certification shall list the applicable specifications, including revision letter or number to which the process conforms, the type or class (if applicable), the date, RK's part number, and quantity as a minimum, and certified by your Quality Representative **and when applicable a statement that the process was performed by certified operator(s)**

6. TRACEABILITY: Seller shall reference on the Certification of Compliance the manufacturer's part number for the distributed items and date code or lot number of the furnished items.

7. CORRECTIVE ACTION: In response to Buyer initiated action requests, the Seller shall advise the Buyer of action taken to correct the reported discrepancies on a Corrective Action Request Form furnished by RK. Such requests require timely responses and must include the following information; Description of Discrepancy, Root Cause, Containment Actions and Corrective Action Plan.

8. PACKING, PACKAGING AND PRESERVATION: The Supplier shall utilize appropriate packing, packaging and preservation methods and materials to ensure articles are received at RK in an acceptable condition. Electrostatic sensitive components shall be handled and packaged in accordance with ANSI/ESD S20.20-2007 Protection of Electrical and Electronic Parts, Assemblies and Equipment. All items are adequately assured of their packaging to prevent damage or contamination to the markings of the items.

9. CERTIFICATION OF COMPLIANCE (C of C): The Supplier shall include with each shipment a C of C certified by a quality representative of the Supplier. The C of C shall constitute certification by the Supplier that the articles are in full compliance with all Purchase Order requirements and that the Supplier holds available for review documented evidence of such compliance. As a minimum, the C of C shall contain the following:

- A) RK's Purchase Order Number,
- B) RK's part number and when applicable the drawing revision letter,
- C) Manufacturer's Part Number,
- D) Manufacturer's Serial Number and/or Date/Lot Code,
- C) Suppliers shipping document number,
- D) Quantity of articles,
- E) Serial number or lot number, when applicable.

10. TEST REPORTS: Each shipment shall be accompanied by the actual test results, identifiable with test parameters and items submitted. Calibration Test Reports shall include all test data used to verify calibration to standard. These reports must include the responsibility of the Quality representative of the Agency performing the tests.

11. SHELF LIFE EXPECTANCY: Remaining Shelf Life will exceed 85% of Shelf Life expiration date listed on material documentation

12. MRB AUTHORITY: Without prior approval of the RK Quality Assurance Department, deviations from the requirements of this Purchase order will not be acceptable. Seller is required to notify RK upon discovery of nonconforming products used in fulfilling this PO. Approval is to be obtained from RK for the use and processing of any nonconforming product by submitting an RK Supplier Deviation Request form (QDT-002-01)

13. IDENTIFICATION OF SHELF LIFE MATERIALS: The Supplier shall identify each item, package, or container of material with the cure date, expiration date, and special storage and handling requirements. This identification, including special handling conditions, shall be recorded on certification and shipping documents for the material.

14. MATERIAL SAFETY DATA SHEET (MSDS): Seller shall provide MSDS on hazardous product, upon first shipment of product, or if there are any changes to the MSDS.

15. HOMOGENEOUS REQUIREMENTS: Parts supplied under this purchase order shall be homogeneous and identical, that is, there shall be no change in design, processing, or method, or manufacture without the express authorization of RK. Design changes shall be defined as all changes in material, material characteristics and all dimensional changes. A processing and method of manufacture change shall be defined as change in special processing methods (e.g. plating, heat treating, anodizing, and all changes in suppliers of critical components and processes).

16. CHANGES IN PRODUCT OR PROCESS: Changes in Purchased Product or Process(s) utilized to make the Purchased Product are to be communicated to RK for approval. RK approval must be obtained prior to the Change Effective Date at the supplier even in the event that the supplier is an OEM. Supplier must communicate with RK Quality Assurance to verify that the change does not have a detrimental effect on a current RK product design. Changes of the supplier's sub-tier suppliers are also to be communicated to RK Quality Assurance for approval. This includes changes of manufacturing facility location and processes.

17. FLOW DOWN PROVISIONS: The requirements herein shall be flowed down to all Sub-tier Suppliers.

18. QUALITY MANAGEMENT SYSTEM: The Supplier shall have developed and maintained a Quality Management System to AS9100 and/or ISO 9001 standards and approved by Rogerson Kratos

19. GOVERNMENT SOURCE INSPECTION: Government Inspection 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. Seller shall provide evidence of Government Source Inspection with shipment. Upon receipt of this order, promptly furnish a copy to the government representative, who normally services your plant or if none, to the nearest Army, Navy, Air Force or Defense Supply Agency Inspection Office. In the event the representative or office cannot be located, the RK Purchasing Department will be notified immediately.

20. APPROVED SOURCES REQUIRED: Supplier shall contact RK Quality Assurance Department to obtain the name and location of the approved source of the material or process required by the drawing, specification or purchase order instructions. Failure to comply with the requirement shall be cause for rejection of the material or parts supplied and disapproval of the responsible Supplier.

21. FIRST ARTICLE INSPECTION AT RK: This order is subject to First Article Acceptance at RK

on one (1) sample article prior to delivery and/or acceptance of the balance of the order. Delivery of production of Articles, other than the sample, prior to First Article Acceptance by RK, shall be at the sole risk of the Supplier. The sample article submitted shall be representative in all respects to the articles to be delivered on the remainder of this order. The Supplier agrees to inform RK of any changes affecting parameters on RK's furnished drawing on this or future orders, subsequent to First Article Acceptance.

22. RK SOURCE INSPECTION: Source Inspection is required on all material after your final inspection and prior to shipment to packaging and/or shipment to your final processor

23. LOT NUMBER IDENTIFICATION/RK FURNISHED MATERIAL: Seller shall maintain the RK established material's lot number identification from receipt of raw material thru delivery of finished articles. Finished articles shall be identified with the applicable Lot Number(s), using an ink marker (for formed Parts), tag identification (machined, pierced/blanked and/or anodized parts), or bag and tag identification (parts too small for application of Lot Number identification). Additionally, Seller shall include on their Certification of Conformance, the raw material ID number(s), from which the articles were produced.

24. MATERIAL ORIGIN: Stock material (sheet, plate, bar, etc.) furnished to RK, or raw material procured by the Seller for the production/fabrication of articles for sale to RK, shall be of DOMESTIC ORIGIN only. Raw materials of foreign origin or articles produced/fabricated from raw materials of foreign origin shall not be acceptable unless specific written approval of acceptability is granted by RK, prior to shipment of the material or articles to RK.

25. BUYER SOURCE INSPECTION: Articles to be produced in fulfillment of this Purchase order require Buyer Source Inspection by RK's Quality Assurance Representative **PRIOR TO DELIVERY**. In order to schedule source inspection, the supplier shall notify RK's Purchasing Department at least 48 hours in advance of the article(s) being available for inspection. Source Inspection does not constitute final acceptance by RK. Nor does it relieve the Supplier of the responsibility for compliance with other requirements of the Purchase Order. The Supplier shall provide facilities and assistance as may be reasonably required by RK personnel in the performance of their inspections.

26. CHEMICAL TEST REPORTS: Materials furnished in fulfillment of this Purchase Order, must be accompanied by three (3) legible copies of certified test reports of the Chemical Properties of the material. Producer/Mill test data is preferred. Verified test data from an independent laboratory is acceptable.

27. FOR USE IN MANNED SPACEFLIGHT: The materials, manufacturing and workmanship of highest quality standards, are essential to astronaut safety. If you are able to supply the desired items with a quality that is higher than that of the items specified or proposed, you are requested to bring this fact to the immediate attention of the purchaser. This clause shall be inserted in all subcontracts and purchase orders for such items down to the lowest tier.

28. PHYSICAL TEST REPORTS: Materials furnished in fulfillment of the Purchase Order must be accompanied by legible copies of certified test reports of the Physical Properties of the material. Producer/Mill test data is preferred. Certified test data from an independent laboratory is acceptable.

29. LOT IDENTIFICATION: All articles produced on this purchase order shall be identified with the purchase order number. Identification shall be by electro etch or acid ink stamp. In the event more than one heat treat is applied, each heat treat lot shall be identified with a slash or dash number.

Subsequent heat treatment shall be handled accordingly.

30. SERIALIZATION: Each item furnished on this Purchase Order will be identified with a non-recurring serial number. In cases where the size of the item furnished prohibits identification, the serial number will be marked on an identification tag or label and securely attached to each items.

31. MATERIAL TRACEABILITY: Each shipment shall be accompanied by the material certification, which identifies the producer/manufacturer of the material furnished. Certification shall also include the heat code, heat lot number or melt number, which shall be traceable to the raw material manufacturer, as RK's purchase order number, and shall be signed by your Quality Representative.

32. CALIBRATION STANDARDS TRACEABILITY: Supplier shall reference on calibration certification that calibration is against measurement standards traceable to the international or national measurement standards; where no such standard exist, the basis for calibration or verification shall be recorded.

33. COMMERCIAL OFF THE SHELF EQUIPMENT: Materials supplied under this Purchase Order are for Commercial off the Shelf Equipment (COTS). They are not to be used in flight critical applications unless there is a prior approval for ruggedization by Rogerson Kratos. If the equipment is such that the supplier cannot furnish a C of C, then testing at Rogerson Kratos in accordance with procedure 9902-0808 will be used to generate one.

34. ELECTRONIC COMPONENTS AGING: Items furnished on this purchase order will have a date code less than two-years old for surface mount components. Surface mount components that are beyond a two-year date code will be subject to solder ability testing per MIL-STD-883, baking 4 hours at 85C prior to soldering and performing Rogerson Kratos internal screening analysis prior to acceptance.

35. CALIBRATION: Calibration Service Providers must agree to comply with Rogerson Kratos Calibration Procedure QP 003

36. CALIBRATION SERVICES, CERTIFICATES OF CALIBRATION (C of C): The Supplier shall include with each shipment a Certificate of Calibration (C of C) certified by a quality representative of the Supplier. The C of C shall constitute certification by the Supplier that the articles are in full compliance with all Purchase Order requirements. As a minimum, the C of C shall contain the following:

- A) Rogerson Kratos Purchase Order Number
- B) Type of Instrument, Manufacturer, Model, Serial Number, RK Tool Number
- C) Rated Accuracy of Instrument (specific for range (s))
- D) Measurement Range for all measurements instrument is certified to cover.
- E) Service performed, parts used.
- F) Instrument Test Data for all standards calibrated to and Instrument's deviation

37. PARTS OBSOLESCENCE: No obsolete parts are to be contained within the delivered product. Suppliers shall provide evidence of an obsolescence management process that includes risk as well as definition of affected or potential parts and Assemblies. Suppliers shall provide evidence of compliance per planned internal and external assessments with the supply base. Notification of any potential, known or planned obsolescence or if planning to procure obsolescent product shall be submitted to the affected Rogerson Kratos buyer.

38. TURN-KEY MANUFACTURING (PCBA) PRODUCTION INSPECTION / TEST

REQUIREMENTS: The Supplier will have the capability to provide Automated Optical Inspection (AOI) and BGA X-Ray inspection. Data from these inspection methods will be provided to Rogerson Kratos with each shipment in either hard copy or electronic format. Test data from either Supplier owned or Rogerson Kratos owned test equipment would also be provided in similar format.

39. FIRST ARTICLE INSPECTION per AS9102: Seller shall submit a complete F/A Report per AS9102

40. 8130-3 TAG: Seller shall furnish an Airworthiness Tag for each product specified per the purchase order.

41. QUALITY SYSTEM per CFR PART 21 – The supplier must meet the requirements of CFR Part 21 –“Organizational Requirements”

44. QUALITY SYSTEM per CFR PART 145 – The Sellers quality system shall meet the requirements of CFR Part 145 “FAA Approved Repair Station”

45. NADCAP – The Sellers processes shall be certified by NADCAP

46. Counterfeit Parts - To the extent that Supplier is delivering electronic parts as defined by DFARS 252.246-7007, Supplier warrants and represents that it maintains a counterfeit electronic part detection and avoidance system that complies fully with the requirements of DFARS 252.246-700. Only new and authentic materials are to be used in products delivered to Rogerson Kratos. No counterfeit or suspect counterfeit parts are to be contained within the delivered product. Seller shall maintain a Counterfeit Item Risk Mitigation process compliant with SAE AS5553, and participate in the Government-Industry Data Exchange Program (GIDEP) to alert the industry of encountered counterfeit parts. All parts supplied to Rogerson Kratos must be from the OCM, OEM, or their authorized/ franchised distributor. The use of “third-party” distributors or “brokers” is prohibited unless written authorization is provided by Rogerson Kratos. Seller shall flow down to, and ensure compliance with the requirements of this clause by lower tier suppliers providing items incorporated into products delivered to Rogerson Kratos. Seller shall immediately notify Rogerson Kratos if Seller becomes aware or suspects that it has furnished counterfeit material, and at its expense, promptly replace such counterfeit parts with authentic material conforming to the requirements of this Contract

47. Part Substitution - Substitute parts shall not be used for parts specified on this purchase order without written authorization

48. Product Change Notification - Any changes (e.g. Product Change Notification (PCN), Product Alerts, Product recalls) to design, facilities (including change in manufacturing location), materials/components or processes at the organization or the organizations sub-tier that could affect any products ordered (including form, fit, function or product availability) within the past 24 months will be forwarded to Rogerson Kratos in a reasonable time frame. This applies for product discontinuance notes (PDN) and products becoming obsolete as well

49. PCBA - PCBA_producers shall utilize 3D AOI to ensure correct components, component placement, solder joint integrity, correct heel fillets, absence of lifted leads, and other visually detectable defects per IPC-A-610. Where board geometry restricts access by 3D AOI methods,

alternate inspection methods with equal capability to 3D AOI shall be used to verify conformity

50. X-Ray Inspection - Area Array Components (including but not limited to Ball Grid Array (BGA), Land Grid Array (LGA), and Column Grid Array (CGA) require X-Ray inspection with acceptance criteria as defined in IPC-A-610. X-ray inspection of the Area Array component solder joints is required for 100% of Area Array components.

51. Flying Probe - Flying probe testing shall be performed when ICT is not available

APPENDIX B

REQUIRED QUALITY ASSURANCE FLOW DOWN CLAUSES FOR EACH PRODUCT TYPE

CODE	PRODUCT DESCRIPTION	QUALITY ASSURANCE PROCUREMENT CLAUSES
1	PLATING/ANODIZE/PASSIVATION	1, 2, 5, 7, 8, 9, 12, 16, 17,18
2	CASTING/INJECTION MOLDING/EXTRUSION	1, 2, 3, 4, 5, 7, 8, 9, 12, 16,17,18
3	COATINGS/PAINT/ADHESIVES/CHEMICALS	1, 2, 6, 7, 8, 9, 11, 12, 13, 14, 16, 17, 18
4	MACHINED PARTS/SHEET METAL/STAMPINGS	1, 2, 4, 5, 7, 8, 9, 12, 16, 17, 18
5	TESTING, EQUIPMENT, TOOLING, CALIBRATION	1, 2, 7, 8, 9, 12, 18, 32
6	CONTRACT MANUFACTURERS (KRATOS FURNISHED MATERIALS)	1, 2, 7, 8, 9, 12, 15, 16, 17,18
7	PACKAGING/LAMINATING/DIE CUTTING	1, 2, 8, 9, 12, 17, 18
8	RAW MATERIAL (METAL, PLASTIC, FILM)	1, 2, 4, 7, 8, 9, 12, 15, 16, 17,18, 37
9	DISTRIBUTOR / ELECTRICAL OR MECHANICAL PARTS	1, 2, 6, 7, 8, 9, 12, 17,18, 34, 37
10	PCB / HYBRID MANUFACTURERS	1, 2, 4, 7, 8, 9, 10, 12, 16, 17,18, 34, 37,
11	NAMEPLATES, TAGS, STICKERS	1, 2, 7, 8, 9, 12, 16, 17,18
12	OPTICAL COATED GLASS	1, 2, 5, 7, 8, 9, 12, 16, 17,18, 37
13	ENHANCEMENT FILM / POLARIZERS	1, 2, 4, 7, 8, 9, 11, 12, 16, 17,18, 37

14	WIRE, CABLES, CONNECTORS	1, 2, 7, 8, 9, 12, 16, 17,18, 37
15	SPRINGS	1, 2, 5, 7, 8, 9, 12, 16, 17,18, 37
16	ELASTOMERIC PRODUCTS	1, 2, 4, 7, 8, 9, 11, 12, 13, 16, 17,18, 37
17	COMPUTER/INTERFACES/SOFTWARE	1, 2, 7, 8, 9, 12, 17,18
18	PRODUCTS NOT FOR USE IN PRODUCTION (OFFICE SUPPLIES, MOPS, ETC)	NOT REQUIRED
19	COMMERCIAL OFF THE SHELF EQUIPMENT	8, 33
20	CALIBRATION SERVICES FOR ROGERSON KRATOS TEST/MEASUREMENT EQUIP.	2, 10, 32, 35, 36
21	LCD MANUFACTURERS	1, 2, 7, 8, 9, 12, 16, 17,18, 37
22	PCBA (TURN-KEY CONTRACT MANUFACTURERS)	1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13, 16, 17,18, 20, 21, 23, 30, 34, 36, 37, 38, 46, 47, 48, 49, 50, 51
23	BULK HARDWARE DISTRIBUTORS	1, 2, 6, 7, 8, 9, 12, 17,18, 20, 37
24	O-RING DISTRIBUTORS	1, 2, 4, 6, 7, 8, 9, 11, 12, 13, 14, 17, 18, 37
25	CONTRACT MANUFACTURER COMPLETE UNIT ASSY BUILD	1, 2, 6, 7, 8, 9, 10, 11, 12, 16, 17, 18, 20, 23, 30, 37, 39, 41

RECORD OF REVISIONS

REV	Date	
New	4/29/03	
A	6/11/03	Appendix A. Q05 Added the last sentence "The sample article must be accompanied with a complete First Article Report prior to submission of subsequent components. "
B	9/26/03	Appendix A. Q05 Added "The sample article must be accompanied with a complete First Article Report indicating pertinent dimensions, tolerances, and functional characteristics before submission of subsequent components. Q02. SOURCE SURVEILLANCE: During the performance of this order, RK, Government, or other Regulatory Agencies shall have right of access, review, verification, inspection of Sellers facility, Quality Control or Inspection System, Workmanship and Manufacturing Processes. Q31. FLOW DOWN PROVISIONS: The requirements herein and as listed shall be flowed down to all Sub-tier Suppliers. Q32. QUALITY MANAGEMENT SYSTEM: Sellers Quality Management System shall be comparable to or exceed that of ISO9000. Q33. NONCONFORMING PRODUCTS: Seller is required to notify RK prior to the use of nonconforming products. Added Q31, Q32, Q33 to Appendix B.
C	3/31/2004	Q06 Changed to include "And submitted report to RK", also added "the first Article Inspection report submitted to RK shall be in accordance with the requirements of QP 8.2.4.2 sections 3,4, and 5. Note the forms in QP 8.2.4.2. may be substituted by sellers forms as long as the sellers form includes all the pertinent required information" Added Q34, Q35. Added to appendix B: Product code 31 "PCB ASSEMBLY", with QP 2,4,6,13,14,15,24,27,31,32,33. Product code 32 "ELASTOMERIC PRODUCTS" with QP 2,4,13,14,15,23,24,27,30,31,32,33 Added Q06 to product codes 2, 5, 31, 23, 24
D	10/20/04	Changed paragraph 4.3 from "will review" to "will periodically audit" Deleted paragraph 4.4. Replaced "signature" with "certify" throughout document. Re-arranged Appendix A so that the most commonly used clauses are on first pages. Deleted the Q if front of the clause so that they will agree with the rest of the document and pos. Renamed "Source Surveillance" to the more appropriate term "Right of Access. Combine Q33 with clause 12. Removed unused reference from clause 22. Added datecode/lot# requirement to clause 6 and removed mfg. Address requirement. Deleted specific certification wording requirement from clause 4. Deleted clause Q34, changed clause 3 to incorporate this requirement. Deleted Q35. Deleted Q32, requirement is satisfied by clause 17. Consolidated and Corrected Appendix B (complete re-write). Added test report and material cert. requirement to PCB products.
E	7/31/06	Changed 3.0 REFERENCE AS9100 revision from A to B
F	8/29/06	Changed 4.3 paragraph to: The Purchasing Department will make sure purchase orders will include the following. 6. Traceability, page 2: removed "name"
G	11/10/07	Added quality clauses 31 and 32 to Appendix A. Added product codes 19 to Appendix B, updated code 5 to call out clause 31.

H	3/5/08	Correction page 5, QC 32. Corrected procedure number 9902-0808.
J	7/17/08	Added to Clause 31, "Supplier shall notify the Purchasing Manager in writing of any out of tolerance condition's found".
K	1/15/10	Added quality clause 33 to Appendix A Updated codes 9 & 10 to call out clause 33.
L	9/10/10	Added to quality clause 33 to Appendix A to include baking requirements prior to soldering.
M	7/22/11	<p><u>Page 1</u> From: 1. OBJECTIVE: To establish systems to flow down, and monitor Quality Assurance procurement clause to suppliers. To: 1.0 PURPOSE: This procedure describes the method by which Quality Assurance Procurement Clauses will be flown down to Rogerson Kratos Approved Manufacturers (AML) and Approved Material Vendors (AVL). Added: 4.0 RESPONSIBILITIES 4.1 Quality Assurance is responsible for maintaining Appendix A and Appendix B to current standards and requirements. 4.2 Purchasing is responsible for flowing the appropriate procurement clauses as defined in Appendix B to all Purchase Orders. From: 4.1 Using Appendix B, "General Guideline for applying quality assurance procurement clauses", and Appendix A, "QUALITY ASSURANCE PROCUREMENT CLAUSES", the purchasing department will assure that all special, customer, regulatory and Quality flow-down requirements are addressed. To: 5.1 The Purchasing Department will assure that all special, customer, regulatory and Quality flow-down requirements are addressed. Appendix B, "GENERAL GUIDELINE FOR APPLYING QUALITY ASSURANCE PROCUREMENT CLAUSES" will be considered a minimum. Additional Quality Clauses other than those categorized in Appendix B will be specifically added into the P.O. for vendor notification if required. From: 4.3 The Purchasing Department will make sure purchase orders will include the following: To: 5.3 The Purchasing Department will insure all purchase orders include the following: <u>Page 3</u> Added 7. CORRECTIVE ACTION: "Containment Actions" From: ANSI/ESD S20.20-1999 To: ANSI/ESD S20.20-2007 Added: 9.0 C) Manufacturer's Part Number D) Manufacturer's Serial Number and/or Date/Lot Code <u>Page 4</u> From: 17. QUALITY MANAGEMENT SYSTEM: The Supplier shall have developed and maintained a Quality Management System equivalent to ISO 9001 and a Calibration System equivalent to ISO 10012-1. To: 17. QUALITY MANAGEMENT SYSTEM: The Supplier shall have developed and maintained a Quality Management System equivalent to ISO 9001. Original Equipment Manufacturers (OEM) shall <u>also</u> have and maintain a Calibration System equivalent to ISO 10012-2003.</p>
N	9/16/2011	Added to Clause 10, "Calibration Test Reports shall include all test data used to verify calibration to standard." Added Quality Clause Flow Downs for Equipment Calibration Services. Product Code #20; "CALIBRATION SERVICES FOR ROGERSON KRATOS TEST/MEASUREMENT EQUIP." Clauses 10, 31, 34, 35. Added Quality Clause 34 and 35 to list.
P	1/27/2012	Changed "SAE AS9100, Rev B Section 7.4.2" to "SAE AS9100, 7.4.2"

**Quality Assurance
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		<p>Added Quality Clause 36, "Parts Obsolescence" Added Quality Clause 36 to applicable Product Codes Added Quality Clause 37, "Turn-key Manufacturing (PCBA) Production Inspection / Test Requirements" Altered Clause 32, "Commercial Off The Shelf Equipment" to allow for the purchase of COTS items for flight equipment provided an approved ruggedization process is in place. Added Product Codes and Flow Down Requirements for: LCD MANUFACTURERS, PCBA (TURN-KEY CONTRACT MANUFACTURERS), BULK HARDWARE DISTRIBUTORS and O-RING DISTRIBUTORS</p>
R	5/20/2012	<p>Revised Appendix A Changed document with new header format.</p>
T	7/6/2012	<p>Corrected 3.0 Purchasing and Supplier Control Doc. Number Added Supplier Survey Questionnaire Form 9900-0016-01 to Part 3.0 Added Distributor Approved Vendor Survey Form 9900-0016-02 to Part 3.0 Edited sections 4.0 and 5.0 for clarity Edited APPENDIX A, Clauses 1,2,8,12,16,18 Added APPENDIX A, Clauses 39,40,41,42,43,44,45, 46 Edited APPENDIX B, all Product Code applicable Clauses Released by E.O. L255</p>
U	4/1/2015	<p>3.0 Deleted QP-005-01 Internal Audit Checklist 4.2 & 5.2 Changed from Quality Manager to Dir of Quality or designee 5.3.1 added location of AVL 5.4 Deleted APPENDIX A, QC 12 add QDT-002-01; QC 35 change QP 7.6 to 003; QC 37 change 12 to 6 months; QC 41 & 42 delete APPENDIX B, QC 15 deleted from each Product Code (1,2,3,4,5,7,9,10-17,21-24) and QC 16 from (5,7,9,17,23,24) added New Prod Code 25 Released by E.O. M585</p>
V	2/29/2019	<p>Revised Clause 37, added Clauses 46 – 51, Revised Appendix B section 22 EO P740</p>
W	09/11/2019	<p>Add ¶ 4.2, new requirement for Quality Assurance and renumbered. EO P901</p>