ISOD
Departure for QMS Documentation

QM QP [SP] SPS Departure Requirement: ☒ Committed Change: ☐	QMS Document # SP 7.1.001 Title: External Provider Quality Assurance Requirements and Quality Clauses	ISOD # SP 7.1.001K-001 PG 1 of 1
Reason: Add Notice of Escape Clause	Approvals: CEO: Tim McDonald Digitally signed by Tim McDonald Date: 2021.05.21 13:24:18 -05'00' Director - QA: Dan T. Gustafson Digitally signed by Dan T. Gustafson DN: cn=Dan T. Gustafson, o=Fort Walton Machining, ou=Quality Assurance, email=dgustafson@fwmachining, c=US Date: 2021.05.21 13:10:49 -05'00' Department Manager: N/A Certifying Agency: N/A	
Department Affected: Quality Assurance Supplier Control	Process Affected: Supplier Management	Release Date: 05/21/21

Departure:

Add Paragraph Y as follows:

Y. Notice of Escape (NOE):

In the event that a known or suspect nonconformance is discovered by the seller at any time following shipment of the product to FWM, the applicable FWM procurement agent as identified on the purchase order shall be notified immediately.

At a minimum, the NOE shall include the following:

- Part Number and when applicable Serial Numbers and/or Lot Numbers
- FWM Purchase Order Number(s)
- Quantity
- Dates shipped and/or date code information as required to identify nonconforming parts
- Specific defect description with reference to applicable engineering/specification documentation
- Containment of Condition
- Potential impact and recommended disposition
- Root cause of defect
- Corrective action taken to prevent reoccurrence of the nonconformance
- Name of seller's Quality personnel involved in the collection and reporting of the NOE information

EXTERNAL PROVIDER QUALITY ASSURANCE REQUIREMENTS AND QUALITY CLAUSES

PURPOSE

To establish the External Provider quality requirements applicable to procured materials / products / services ordered under a contract / purchase order issued by Fort Walton Machining of which this SP 7.1.001 is an attachment.

To establish specific flow down Quality Assurance Clauses applicable to the procured materials / products / services.

DEFINITIONS AND ABBREVIATIONS

1) *FWM* – Fort Walton Machining, Inc.
2) *External Provider* – The person(s) and/or Company/Corporation providing goods and or services to FWM.
3) *Contract* – The Contract, Sub-Contract, Purchase Order or other written agreement between FWM and the External Provider.
4) *Product* – The result of activities or processes. A product shall include, but not be limited to: services, hardware, software, processed material, or a combination thereof.
5) *PO* – Purchase Order issued by FWM.
6) *NIST* – National Institute of Standards and Technology.
7) *DOD* – Department of Defense.

GENERAL REQUIREMENTS

Unless otherwise specified in the Contract, all of the following general requirements apply to a contract issued to an External Provider by FWM.

A. Purchase Order Receipt and Verification:

The External Provider shall verify all purchase orders issued by FWM upon receipt. Any discrepancies in price, quantity, specifications, quality requirements, packaging, or delivery requirements shall be communicated to and resolved with FWM purchasing before taking action on the purchase order. Upon acceptance and during the performance of the purchase order all External Provider sub-tier External Providers shall have the flow down of all the FWM issued purchase order requirements to include key characteristics as identified on the purchase order.

B. Delivery:

FWM expects 100% on time delivery. Deliveries are considered on time, if the required product, as specified on the purchase order, is received on the due date or up to 10 days early.
The External Provider shall notify FWM before the delivery date whenever a delivery date will not be met. Standard receiving hours are between 7:00 AM and 3:30 PM, (CST) Monday through Friday, announced holidays excluded. Deliveries will not be accepted outside of these hours unless specific arrangements have been made and approved by FWM Purchasing Department. Applicable documents, such as, packing lists, certification of conformance, certificates of analysis, material data safety sheets, etc., shall arrive with, or prior to receipt of the shipment.

C. Conformance to Requirements:

FWM expects all materials and components to arrive defect free. “Zero Defects” must be the standard for all External Providers to FWM.
Product is expected to meet all purchase order and referenced engineering specifications unless arrangements have be agreed upon between FWM Purchasing, Engineering, and Quality Assurance as necessary and the External Provider, in writing prior to shipment.

D. Unauthorized Repairs:

External Providers shall not repair products damaged or found to be faulty during fabrication by any method including, but not limited to, welding, brazing, plugging, soldering or use of adhesives, nor repair by any method, defect in castings or forgings, unless authorized by FWM in writing.

E. Unauthorized Change In Processes, Materials or Specifications:

External Providers shall not substitute or change any processes, materials or specifications as defined on the purchase order without prior FWM approval. Specification(s) / Standards listed on the purchase order shall be of the latest current revision status available unless identified on the purchase order.
NOTE: Unless otherwise specified use of superseding Industry or Military Standard Specifications shall be acceptable provided a notice of cancellation and/or supersession can be obtained by FWM as verification.

F. Proper Submittal of Documentation:

Adequate records of inspections and tests shall be maintained through the use of tags, data sheets, etc. Test results shall be recorded. Actual inspection readings shall also be recorded, when required by the PO. Copies of this data shall be maintained on file and supplied to FWM upon request. FWM may refuse to accept products under this contract if the External Provider fails to submit the certification, documentation, test data or inspection data as specified on the PO.

G. Responsibility of Product Conformance:

Neither surveillance, inspection and / or test made by FWM, their representatives, or Government Source Inspectors at either the External Provider’s or FWM facility, nor the External Provider’s compliance to all applicable quality assurance requirements shall relieve the External Provider of the responsibility to furnish products, which conform to the requirements of the contract.

H. Improper Submittal of Previously Rejected Products:

Product previously rejected by FWM and reworked or replaced by the External Provider, shall be identified in the shipping documents with reference to the FWM nonconforming material report (NCMR) number and shall have new certification documents with the shipment of the returned product. Failure to identify previously rejected product may be cause for rejection and return of the material at the External Provider’s expense.

I. Notification of Change:

The External Provider shall notify FWM in writing of all process, design, fabrication, testing, facilities and material changes affecting the form, fit, function, reliability or interchangeability of end item specification or drawing requirements during the performance of this contract. The External Provider shall afford FWM, an opportunity to examine such changes for compliance to the contractual Quality Assurance Requirements including any necessary approvals. Failure to notify FWM may result in removal from the FWM approved External Providers list.

J. Access to the External Providers Facility:

FWM and FWM's customer's representative(s) and Government representative(s) reserve the right to access the External Provider's facility and their lower-tier External Providers, to assure that the External Provider's product(s) complies with the requirements of the contract issued to the External Provider. FWM quality assurance representative(s), customer's representative(s) and Government representative(s) reserve the right to audit and approve and/or disapprove potential External Providers and their lower-tier External Providers prior to award of a contract.

K. Clarifications:

The External Provider shall have a clear understanding of the requirements before proceeding with the execution of a contract issued by FWM. The External Provider shall document in writing to FWM necessary clarifications. The External Provider shall agree that FWM's written response provides adequate clarification.

L. Conflicts:

In the event of conflicts between the requirements of this document and applicable product specifications, engineering drawings or regulatory standards, the latter documents shall govern.

M. Nonconforming Material:

The External Provider shall establish and maintain an effective and positive system for controlling nonconforming or defective materials pertaining to the identification, segregation, and disposition of such materials. Prompt action to correct assignable conditions contributing to non-conformances is recommended as part of the inspection system. Non-conforming product returned to the External Provider shall be reworked to the original drawing / specification requirement or replaced; no repair or use-as-is disposition is allowed without the written approval of FWM.
When product is rejected at FWM and returned to the External Provider for replacement or rework, the return of the product shall be identified on the packing list with the Nonconforming Material Report (NCMR) number issued by FWM and all applicable quality documents and certifications shall be submitted with the return of the replacement / reworked product.
The External Provider shall notify FWM of any nonconforming product prior to shipment and the nonconforming material if dispositioned for shipment to FWM shall be identified and packaged separately from conforming products. The External Providers packing list shall identify the correct quantity of nonconforming and conforming product on separate lines.

N. ISO / AS Certified Quality System and Nadcap Processes Approvals:

External Providers certified to an ISO or AS quality system regulatory standard or equivalent standard and/or Nadcap accreditation as used for approval by FWM to verify quality system controls and/or process controls and used to add to FWM approved External Provider listing shall notify FWM immediately, if that certification / accreditation was not renewed or was revoked.

O. Quality Program Requirements:

The External Provider shall establish and maintain a quality system to the requirements of ISO 9001 or AS9100 or an equivalent, FWM approved quality system. The External Provider's quality system shall be approved by FWM and is subject to review and approval at all times by FWM. The External Provider retains full responsibility for ensuring that all products, lower-tier External Providers, supplies used, and/or services furnished hereunder, comply with all applicable requirements of the ISO 9001, AS9100 or equivalent approved quality system.

The External Provider shall ensure QMS awareness to their employees ensuring that persons are aware of their contribution to product or service conformity, their contribution to product safety and the importance of ethical behavior.

A copy of the External Providers ISO 9001, AS9100 or equivalent registration shall be sufficient for compliance to this External Provider quality requirement and shall be supplied to FWM when the registration is renewed.

All External Providers used by Fort Walton Machining shall be identified as “Approved” or Conditional” and maintained on an approved External Provider listing. All External Providers shall be identified as Conditional until the required documentation (External Provider / subcontractor evaluation report: FWM-201) is completed as per the instructions of the form or equivalent documentation is provided for review and approval / disapproval as applicable. External Providers can be identified as conditional for a 30 day period from date if issuance of form FWM-201 to the External Provider. If no response is received within the allotted time allowance from the External Provider, the External Provider shall be disapproved and no further purchasing activity shall transpire.

P. External Provider Rating System:

Delivery and Quality performance will affect the External Providers rating. Product ordered under a contract issued by FWM is included in FWM’s External Provider rating system. The rating system is comprised of the incoming inspection yield and adherence to the PO delivery schedule. The rating system is used as a method of measuring the effectiveness of the External Provider’s inspection system and/or control of processes. The External Provider’s rating may affect the acceptance of shipments by FWM or future procurements.

The External Provider shall meet an on-time delivery and quality acceptance level of 90.0 % or better based on a 12 month rolling average to maintain an approved status on the approved vendor listing. If External Provider falls below this level of delivery and quality performance, they will be notified and appropriate actions will be taken by FWM and/or the External Provider as necessary to identify a plan or demonstrate controls for product, process, and/or service improvement.

Q. FWM Acceptance at Destination:

The product(s) ordered under a contract issued by FWM are subject to final acceptance at their destination.

R. Domestic Materials / Certificate of Origin:

Unless otherwise specified in the contract all materials purchased on the order issued by FWM shall be DFAR compliant and the External Provider shall supply a statement on the material certification that identifies the country of origin.
Note: Qualifying country is as defined in DFAR 225.003 (10).

The product(s) ordered under a contract issued by FWM are required to be in compliance with the listed DFAR’s as identified:
Commercially Available Off-The-Shelf (COTS) Items of supply:
DFAR 225.1101 (2) “Buy American Act” applies {Use the Clause at DFAR 252.225-7001}
DFAR 225.1101 (3) “Qualifying Country Sources as Subcontractors” applies {Use the Clause at DFAR 252.225-7002}
Specialty Metals:
DFAR 225.7003-5 (a)(1) “Restriction on Acquisition of Specialty Metals” applies {Use the Clause at DFAR 252.225-7008}
DFAR 225.7003-5 (a)(2) “Restriction on Acquisition of Certain Articles Containing Specialty Metals {Use the Clause at DFAR 252.225-7009}

S. Record Retention:

Records for traceability for all products / materials / processes / services and their integral processes required to achieve the end deliverable product or process provided under the performance of a contract issued by FWM shall be maintained and made available upon request by FWM for a minimum of 10 years.

T. Rejection of Product using Sample Inspection:

FWM reserves the right to use ASQC Z1.4 or MIL-STD-105 (c) = 0 sampling plan for the inspection and acceptance or rejectance of goods or services supplied under a contract issued by FWM.

U. Commercial (Catalog) Items:

External Providers providing commercial catalog items through a distributorship shall demonstrate quality program requirements to AS9120 or an equivalent quality program, at a minimum the External Provider shall provide a certificate of conformance to the requirements as stated on the contract / purchase order with reference to the purchase order number. This C of C provided by the External Provider shall be signed by an official of the External Provider's company for compliance to FWM PO requirements and External Provider catalog specification / standards / drawings as applicable.

V. Counterfeit Parts Prevention:

All External Providers shall guard against the use and delivery of "counterfeit" parts or components to FWM. The External Provider shall ensure that only new and authentic materials are used in products or work to be delivered contains no counterfeit parts. A "counterfeit" part is defined as: "A part falsely represented in some manner, e.g., manufacturer, part number, date code, lot code, markings, used, etc." No other material or part, other than a new and authentic part is to be used, unless approved in writing.

To further mitigate the possibility of the inadvertent use of counterfeit parts, the External Provider shall only purchase components and parts procured directly from the Original Component Manufacturer (OCM) / Original Equipment Manufacturer (OEM). Regardless of the source of procurement, External Provider must provide OCM/OEM documentation that authenticates traceability of the components to the applicable OCM/OEM.

W. Conflict Minerals:

The External Provider shall represent, warrant and covenant that, to External Provider's knowledge after reasonable investigation, the goods are, and upon delivery will be, Democratic Republic of the Congo (DRC) Conflict Free (as such term is defined in the US Securities Exchange Act of 1934, as amended by Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act and the related rules and regulations of the US Securities and Exchange Commission).

The External Provider shall promptly notify Buyer in writing in the event that External Provider is or becomes aware of any reason to believe that the goods are not DRC Conflict Free. To the extent External Provider procures gold, tin, tantalum and/or tungsten from a smelter or refiner for incorporation into the goods, External Provider represents, warrants and covenants that such materials shall be procured solely from one or more of the smelters or refiners appearing on the applicable compliant smelter and refinery list available at www.conflictfreesmelter.org.

The External Provider agrees to define, implement and communicate to its sub-External Providers its own conflict minerals policy outlining its commitment to responsible sourcing, legal compliance and measures for implementation. The External Provider will provide FWM with any additional information requested by FWM with respect to such Conflict Minerals and maintain traceability records for a minimum of 10 years.

X. Authority Acceptance Media:

Seller shall comply with Federal Regulation 14CFR Part 21.2 regarding the application of Acceptance Authority Media (AAM) requirements.

Seller shall, within it organization and its supply chain, ensure that the use of AAM is clearly defined within its Quality Management System (QMS).

Seller shall, upon Fort Walton Machining, Inc. request be able to demonstrate evidence of communication to its employees and to its supply chain; use of AAM must be considered as a personal warranty of compliance and conformity.

Seller shall ensure that no person shall make or cause to be made:

1. Any fraudulent or intentionally false statement on any application for a certificate or approval;
2. Any fraudulent or intentionally false entry in any report or report that is required to be kept, made, or used to show compliance with any requirement for the issuance of the exercise of the privileges of any certificate or approval issued;
3. Any reproduction for a fraudulent purpose of any certificate or approval issued;
4. Any alteration of any certificate or approval issued.

Seller shall maintain compliance to the AAM requirements by assessing its processes and supply chain as part of its internal audit activities. The areas of focus of this assessment shall include but not limited to:

- Authority Media Application Errors (i.e. Omissions, Typos, Legibility, etc.
- Authority Media Application Untimely Use (i.e. Documentation is not completed as planned, “Stamp/Sign as you go”, etc.)
- Authority Media Application Misrepresentation (i.e., Uncertified personnel, Falsification of documentation, Work not performed as planned, etc.)
- Authority Media Application Training Deficiencies (i.e. Ethics, Culture awareness, Proper use of authority media, etc.)

QUALITY CLAUSES

One or more of the following Quality Clauses (QC) are a requirement of the contract / purchase order issued by FWM when specified by number.

QC 1. CERTIFICATE OF COMPLIANCE

The External Provider shall submit a Certificate of Compliance stating that the products(s) furnished on this contract conform to the quality assurance requirements, drawings, materials, processes, test specifications and other applicable specifications. The Certificate of Compliance shall accompany each shipment. The External Provider shall have records on file to substantiate product compliance to the contract and will furnish copies of these records upon request of FWM or FWM’s customer representative(s). All Certificates of Compliance shall contain the following information, when applicable, and shall be validated by an authorized External Provider’s representative, by either an inspection stamp or a signature: External Provider’s name and address, FWM PO number, product number, revision level, serial number, heat, lot, batch number, material and/or process specifications, and actual measurements or reference to test inspection documentation as applicable.
QC 1.1 CERTIFICATE OF COMPLIANCE (Special Process Approved External Providers)

For contracts / purchase orders issued to External Providers that are designated by FWM customer requirements as “Special Process Approved External Providers” all of the requirements of QC 1 are applicable and the External Provider and/or lower-tier External Provider shall annotate on the Certificate of Compliance the External Providers approved processor code.

QC 2. CONTROL OF SPECIAL PROCESSES

The External Provider must have on file at their facility, or their sub-tier External Provider's facility chemical and mechanical test data on raw material used on the contract issued by FWM. Processes listed below, must satisfy the requirements of applicable drawings and specifications. FWM reserves the right to perform surveillance, review or audit of the External Provider and/or Sub-tier External Provider's special processes and certification, prior to and during the performance of any contract issued by FWM. External Providers and sub-tier External Providers certified by Nadcap for the commodities that they are delivering shall be considered approved and require no further surveillance or audits provided no nonconformance's are detected from their processes. FWM reserves the right to deny the use of lower-tier special process External Providers if they fail to meet the applicable requirements. All processes performed under the contract issued by FWM shall be performed by the External Provider or if the External Provider is going to out source any processes they must contact FWM prior to any out source activity to a sub-tier External Provider for verification of FWM customer approved External Provider status.

Below are the commodities (as defined by Nadcap) and the specific processes that are considered to be special processes at FWM.

Chemical Processing (Platings)	Coatings
Heat Treating	Materials Testing Laboratories
Non Destructive Testing	Soldering and PWB Fabrication
Welding (Includes Brazing)	Nonconventional Machining and Chem-Milling
Shot Peening	Cleaning – Descaling
Composites	Bonding

QC 3. CHEMICAL / PHYSICAL TEST REPORTS

External Provider shall supply actual Chemical and/or Mechanical test data for the material(s) being supplied under the contract issued by FWM. The test report shall state the actual analysis of the material for the chemical and/or mechanical properties, and shall identify as applicable, the material type, grade, temper, material dimensions, heat / lot number, specification(s) and be signed for certification of compliance. The test report shall identify the FWM PO number. The test report shall accompany each shipment; failure to provide the required test reports may be cause for rejection of the material and affect the External Provider rating.

QC 4. FIRST ARTICLE INSPECTION

FWM's acceptance of a first article inspection (FAI) is required prior to acceptance of production parts, unless otherwise authorized by FWM. The External Provider shall submit the FAI report and identifiable first article product to FWM's inspection department for verification. The External Provider's FAI format shall include, at a minimum, the contract number, product number, revision level, product name, External Providers name, all drawing requirements (including tolerance), method used to obtain results, actual results of each measurement, pass or fail status of the measurements and proven compliance to each engineering drawing note. *As a guideline AS9102 should be used.*
Occurrence of any of the following conditions shall require an additional FAI:

a) A material, design, tooling and/or process change(s) affects the original first article inspection of the product. An additional FAI is applicable only to those characteristics affected by the change.
b) The product has not been produced for a period of 18 months.
c) A change in facilities has taken place.
d) Damage and subsequent repair to tooling, fixtures, dies or equipment used in the manufacturing process affects the specification parameters or attributes. An additional FAI is applicable only to those characteristics affected by the repair.
e) A change has been made to the External Provider's proprietary product purchased by FWM or the performance of a higher assembly.

First Article Reports for the items controlled by CAD files shall record actual dimensional data taken by the External Provider to confirm conformance to the CAD file. The External Provider must indicate any operations not performed using the CAD file.

QC 5. SOURCE INSPECTION

FWM will perform final inspection and or witness acceptance tests at the External Provider's facility prior to shipment of product under the contract issued by FWM. The External Provider shall notify FWM's purchasing department at least five (5) working days prior to the date that source inspection is required. If FWM waives source inspection, the inspection waiver must accompany the shipment.

QC 5.1. GOVERNMENT SOURCE INSPECTION (GSI)

Government inspection of the purchased product is required prior to shipment from the External Provider's facility. Upon receipt of this contract, the External Provider shall promptly notify the Government representative(s) who normally services the External Provider facility to establish the plan for GSI. GSI applies to prime & returned material.

The External Provider shall comply with the requirements of Federal Acquisition Regulation (FAR) Clause 52.246-2, "Inspection of Supplies." FWM, FWM's customer, and the Government have the right to inspect and test all supplies called for by the contract, to the extent practicable, at all places and times including the
period of manufacture, and in any event before acceptance.

QC 6. AGE CONTROL OF RUBBER PRODUCTS

O-Ring packaging and shelf life unit packaging per MIL-STD-2073-1D, "Standard Practice for Military Packaging" Method 33 is required. Any packaging displaying evidence container, bag, etc., being stapled shall result in the o-ring being scrapped at the External Provider's expense. Each unit package shall be marked per MIL-STD-129, "Military Marking" and include the following information:

Part Number
Material Specification (if different from the part number)
Cure and Expiration Dates
Material Batch Identification

Unless otherwise specified, the requirements of MIL-STD-413 "Visual Inspection Guide for Elastomeric O-Rings" apply. O-Rings must meet the requirements of SAE ARP5316, "Storage of Elastomeric Seals and Seal Assemblies". O-Rings shall not be furnished to FWM if more than 25% of the shelf life has expired.

QC 7. TIME AND TEMPERATURE SENSITIVE MATERIAL

The certification must include manufacture date, expiration date, temperature storage conditions and handling requirements, when applicable, must be included in the documentation with each shipment. Storage temperature requirements other than ambient 25° +/- 5° C shall be marked on the outermost shipping container. Seventy five percent (75%) of shelf life shall remain at time of receipt at FWM facility.

QC 8. MATERIAL SAFETY DATA SHEET (MSDS) / TOXIC SUBSTANCES CONTROL ACT (TSCA)

The External Provider shall furnish one (1) copy of the MSDS with each shipment of product under the contract issued by FWM. The External Provider shall certify that all chemical substances delivered under this contract are on EPA's TSCA inventory and comply with all applicable rules and orders under TSCA.

QC 9. PACKAGING

The External Provider is responsible for ensuring that product is packaged and preserved in container(s), bags, boxes, crates, as applicable for the type of product to prevent damage and/or deterioration. Each item shall be packaged individually and identified with the following information: (by label or tag)

Part Number
Revision Level
Purchase Order Number
Serial Number (if applicable)
Lot Number (if applicable)
Cure Date (if applicable)

For those items where individual packaging is not practical (such as with electronic discrete components, MIL-SPEC or NAS nuts / bolts / screws, or other commercially available bulk packaged items) the packaging must also show the quantity of item contained in addition to the items listed above.

The External Provider shall provide a packing slip(s) with the items that states the above information and has the External Providers name and address. If required, the country of origin, as required by “R” (External Provider quality requirement), shall also be marked on the packaging and the packing slip shipping document.

Do not combine items from different purchase orders in the same shipping container or on the same packing slip.

All items received at FWM must have shipping documentation or may be refused and returned to the External Provider at the External Provider’s expense.

QC 10. TEST REPORTS

Actual test data of indication of pass / fail test results shall accompany each shipment. The External Provider’s format is acceptable and shall reference the contract number, External Providers name and address and/or the name and address of the independent laboratory, product number, serial number or lot number if applicable, and the date of the test. An authorized External Provider representative shall validate all submitted reports, by either an inspection stamp or signature.

QC 11. INSPECTION / TEST DATA

The External Provider shall perform in-process and final inspection and/or test of the product as applicable to validate compliance of the product to the required drawings, specifications or regulatory standards as defined on the contract issued by FWM. Evidence of the inspection and/or test shall be documented in the External Provider’s format and be maintained by the External Provider. FWM may request copies of the inspection / test data to be provided at the time of shipment, or within the retention period of “S” (External Provider quality requirements).

QC 12. CALIBRATION SYSTEM

The External Provider’s calibration system for measuring and test equipment shall be in accordance with the requirements of ANSI/NCSL Z540-1 or ISO 10012 Calibration Systems. The External Provider’s Calibration System standards shall be traceable to NIST. The External Provider’s Calibration System is subject to review and approval by FWM and FWM’s customer representative(s) and/or Government representative(s) at all times. The External Provider retains full responsibility for ensuring that all products, lower-tier External Providers, supplies used, and/or services furnished hereunder, comply with all applicable calibration requirements. A copy of the External Providers current ISO 9001 or AS9100

registration, if available, shall be sufficient for compliance to this provision and shall be supplied to FWM when the registration is renewed.

QC 13. PRODUCT TRACEABILITY

Products furnished under a contract issued by FWM must be identified by lot number, material type, specification and revision level and be traceable to the original manufacturer. The traceability documentation and/or records shall accompany each shipment.

QC 14. LOT CONTROL

Products furnished under a contract issued by FWM must be identified by the manufacturing lot or batch number. The lot or batch number shall be identified on tags or labels and attached to the product or product container. All accompanying documentation such as packing list, certifications, inspection / test reports shall include the lot control number.

QC 15. SERIALIZATION

Each product furnished on this contract shall be identified by a unique serial number. When specific serial numbers are required, they shall be identified by FWM. All inspection and/or test reports and all other applicable documentation shall be traceable to each serial number.

QC 16. MATERIAL COUPON

The External Provider shall submit a coupon or slug for destructive testing / verification of material, by FWM. The coupon or slug must be from the same raw material lot and processed in the same loads or batches that were used for fabrication of the product.

QC 17. SAMPLING INSPECTION

The External Provider may use a sampling inspection plan that meets the requirements of ASQC Z1.4 or MIL-STD-105 (c) = 0 sampling plan during the inspection of the product. The sampling plan used must not allow acceptance of any product with known defects. Any defects identified shall be 100% inspected on all products, work in process and stock inventory for the specific defect.

QC 18. CORRECTIVE ACTION

If the External Provider is issued a request for Corrective Action, the External Provider shall complete the applicable sections of the corrective action report to include: Root Cause, Immediate action, corrective action and verification of the corrective action. The corrective action report must be signed by an authorized representative of the company and returned to FWM within the response due time frame. If the External Provider requires more time to identify and implement corrective actions the External Provider must contact FWM purchasing and request an extension of the response due date. Failure to reply to a request for corrective action may affect the External Provider's approval status and/or future procurements.

QC 19. CONTROL OF NONDESTRUCTIVE TESTING

Testing shall be in accordance with all purchase order and applicable specification requirements. Unless otherwise specified:

Dye Penetrant inspection shall be performed in accordance with ASTM E1417. The penetrant inspection report shall identify the procedure and method used, the acceptance criteria, part number, PO number, and the result of the inspection. The report shall contain the name of the person performing the inspection and shall be signed and dated. When parts are serialized, serial numbers must appear on the report with

the control number. Penetrant inspection shall only be performed by a level II or III technician as certified by NAS 410 or ASNT SNT-TC-1A. The penetrant inspection report shall be furnished with each shipment.

Radiographic inspection shall be performed in accordance with ASTM E1742. Individual radiographs shall be traceable to the corresponding product(s). When parts are serialized, serial numbers must appear on the report and film with the control number. The radiographic inspection report shall identify the procedure and method used, the acceptance criteria, part number, PO number, and the result of the inspection. The report shall contain the name of the person performing the inspection and shall be signed and dated. Radiographic inspection shall only be performed by a level II or III technician as certified by NAS 410 or ASNT SNT-TC-1A. The radiographic inspection report and X-ray films shall be furnished with each shipment.

Magnetic Particle inspection shall be performed in accordance with ASTM E1444. The magnetic particle inspection report shall identify the procedure and method used, the acceptance criteria, part number, PO number, and the result of the inspection. The report shall contain the name of the person performing the inspection and shall be signed and dated. When parts are serialized, serial numbers must appear on the report with the control number. Magnetic particle inspection shall only be performed by a level II or III technician as certified by NAS 410 or ASNT SNT-TC-1A. The magnetic particle inspection report shall be furnished with each shipment.

Ultrasonic inspection shall be performed in accordance with ASTM E2375 and/or ASTM B594. The ultrasonic inspection report shall identify the procedure and method used, the acceptance criteria, part number, PO number, and the result of the inspection. The report shall contain the name of the person performing the inspection and shall be signed and dated. When parts are serialized, serial numbers must appear on the report with the control number. Ultrasonic inspection shall only be performed by a level II or III technician as certified by NAS 410 or ASNT SNT-TC-1A. The ultrasonic inspection report shall be furnished with each shipment.

QC 20. ELECTROSTATIC DISCHARGE SENSITIVE (ESDS) PRODUCTS

The External Provider is responsible for ensuring that the product is manufactured, tested, identified, and handled in accordance with MIL-STD-1686, EIA-JESD-625-A or equivalent. The External Provider shall maintain an ESDS program in accordance with MIL-STD-1686, MIL-HDBK-263, EIA-JESD-625-A or equivalent and shall include procedures, personnel training records, and calibration of ESDS testing equipment.

QC 21. WORKMANSHIP

Workmanship shall be in accordance with the drawing requirements, specifications and any requirements of the detail equipment specification applicable to manufacturing, processing, marking of parts and assemblies, wiring, soldering, welding and brazing, plating, riveting, finishing, machine operations and shall be reviewed for the detection and removal of foreign objects to include product to free from burrs, sharp edges, tooling marks, mismatch conditions, warped and/or bowed conditions or any other damage or defect that could make the product or equipment unsatisfactory for the intended purpose.

QC 22. DPD / MBD: DIGITAL PRODUCT DEFINITION / MODEL BASE DEFINITION

External Providers performing process operations that include Digital Product Definition and/or Model Base Definition from datasets supplied by FWM shall have process controls that meet the requirements of FWM Quality Procedure - QP 4.0.3. External Provider shall have a documented Quality Plan for DPD / MBD process controls. The External Provider Quality Plan will be reviewed and approved or disapproved by FWM QA prior to any order placement.
NOTE 1: FWM will ensure the External Provider can view the annotation, flow DPD/MBD information to manufacturing and inspection, perform a complete AS9102 FAI and have training in place.

NOTE 2: FWM will ensure the External Provider is in compliance with ITAR / EAR and any FWM customer contract requirements prior to approval and release of DPD/MBD datasets.

QC 23. FOREIGN OBJECT DEBRIS/DAMAGE (FOD) PREVENTION

The External Provider shall establish and maintain an effective FOD prevention program to control and eliminate FOD and/or contamination assuring work is accomplished in a manner preventing foreign objects or material from entering and remaining in deliverable products. The External Provider's program shall utilize effective FOD prevention practices. NAS 412 may be used as a guide to establish and implement the External Provider's FOD program.

Maintenance of the work and control of tools, parts, and materials shall preclude the risk of FOD incidents. Prior to closing inaccessible or obscured areas and compartments during assembly, the External Provider shall inspect for foreign objects/materials. The written procedures or policies developed by the External Provider shall be subject to review and audit by Fort Walton Machining, Inc. Quality Assurance and approved or disapproved when the External Provider's procedures or policies do not accomplish their objectives.

QC 24. CUSTOMER / GOVERNMENT FURNISHED TOOLING PROPERTY

External Providers performing process operations that include Customer / Government furnished tooling property supplied by FWM shall have process controls that meet the requirements of FWM Quality Procedure - QP 7.0.5. External Providers who perform contractual process requirements shall complete the form per Standard Procedure – SP 7.0.002, FWM-201, Appendix A. Form FWM-201, Appendix A will be reviewed and approved or disapproved by FWM QA prior to any Customer / Government furnished tooling property leaving FWM. External Provider shall also assure that process controls are applicable to D950-11059-1, D33200-1 and/or D6-51991 requirements.

REVISION HISTORY		
REVISION	**RELEASE DATE**	**SUMMARY OF CHANGE / REASON**
IR	06/22/1998	As part of Quality Manual (QM)
A	1998	Removed from QM, Independent Procedure as (QP 4.3)
B	07/21/1999	Added Sub Paragraph 3.1 – The contract will be stamped with a contract review stamp, to be signed and dated by the person completing this function.
C	11/01/2003	Renumbered to new format (QP 7.0.0) to match QM
D	06/01/2006	Added Para. 3.12.3, 3.12.4 & Revised 3.6, 3.7
E	07/13/2006	Reformat AS9100 Reference & Requirements; Removed FWE Reference
F	04/25/2008	Paragraph # errors, Grammar errors
G	02/14/2012	Added Para "V" on Counterfeit Parts Prevention
H	07/09/2012	Changed NADCAP to Nadcap for Para "N" (2) on page 3, "QC 2" (2) on page 5; Added QC 24 for Customer/Government Furnished Tooling Property for External Providers performing contractual process requirements to flow down on purchase orders for the External Providers who are supplied tooling property from FWM.
I	01/05/2015	Added Para "W" on Conflict Minerals
J	09/08/2015	Added 2nd Paragraph to Para. P, External Provider Rating System, to include flow down requirements to External Providers on actions taken when dealing with External Providers that do not meet satisfactory delivery and quality performance Added 2nd Paragraph in regard to FAR Clause 52.246-2, Inspection of Supplies, to QC 5.1 Government Source Inspection
K	07/25/17	Revised Paragraph O Revised Paragraph R Added Paragraph X