

SUPPLIER QUALITY CLAUSES

(Content Last Updated: 10/4/2021)

Note: In addition to requirements stated on each SPM PO, suppliers must comply with the following Quality Clauses according to the commodity supplied.

SPM Clause Number	<p align="center">General Quality Clauses</p> <p align="center">SQC codes denoted with * are universal and apply to all commodity groups.</p>
SPM_SQC_01	<p>Inspection Report: Dimensional Inspection data for all Critical, Major & Minor Characteristics defined by the drawing and /or Purchase Order must be included in an Inspection Report for items delivered to SPM. All Inspection Reports must reference the items Part Number, Revision Level, Serial Numbers (if applicable), and Purchase Order Number. The Inspection Report must be included with any item delivered to SPM.</p>
SPM_SQC_02	<p>First Article Inspection: A first article inspection per AS9102 is required on parts produced for this purchase order if any of the following apply:</p> <ol style="list-style-type: none"> 1) First time submission (part or new supplier), 2) Revision change, 3) A change in a process used to manufacture the part which may affect form, fit, or function, 4) Change in manufacturing location (facility), 5) More than 24 months have passed since the supplier last produced part, 6) As requested by SPM. <p>All first article inspections performed by the Supplier will be accompanied with a First Article Inspection Report (FAIR) showing conformance to all drawing or performance requirements specified by SPM. The FAIR shall be in a format similar to that contained within the AS9102 specification. Written approval of the first article submission from Shapes is required prior to continuing production.</p>
SPM_SQC_07	<p>Quality Management System: The Supplier shall maintain a Quality Management System that complies with the requirements of ISO 9001, AS9100 or similar for the industry the Supplier occupies. All records related to the manufacturing, testing and inspection of parts supplied to a SPM purchase order will be maintained for a minimum of ten (10) years. In the event the Supplier has a shorter retention period as part of their Quality Management System, the records shall be forwarded to SPM at the end of that retention period. SPM may make conditional exceptions based on Supplier survey information or applicable customer requirements.</p>
SPM_SQC_08	<p>Work Transfers: Suppliers are required to notify the SPM Buyer prior to transferring any work to a new facility. SPM will determine if the Supplier may perform the transfer of work.</p>
SPM_SQC_09*	<p>Material Review Board (MRB): The Supplier does not have MRB authority to accept or repair non-conforming product. Any nonconformance on final deliverable product to the purchase order, drawing, specifications or applicable documents must be submitted to SPM for approval prior to shipment. Supplier must notify the SPM Buyer of any nonconforming product and must obtain SPM's approval for the disposition of nonconforming product.</p>
SPM_SQC_10*	<p>Notification Responsibility: The Supplier shall inform SPM immediately where there is a reason to suspect that products previously supplied to SPM may not be in accordance with the SPM drawing, specification or purchase order requirement. The Supplier shall promptly inform the SPM Buyer of any circumstance related to materials, manufacturing, processing methods, design, etc. which may make a product susceptible to premature failure or otherwise place the safe operation of that product at risk. The notification shall describe the nature of the discovered anomaly, its applicability to SPM part number(s), quantities affected and the probable impact to the proper function/performance of the item supplied. SPM shall also be immediately notified in writing of any change to the Supplier's Quality Management team responsible for SPM products, other significant change in the Supplier's organization, and change in financial condition, change in location or change in ownership of the Supplier.</p>
SPM_SQC_11*	<p>Prohibited Practices: The following acts or practices are typical of those prohibited:</p> <ol style="list-style-type: none"> 1) Unauthorized Repair - Repair (by welding, brazing, soldering or use of adhesives) of parts damaged or found faulty in the fabrication processes; repairing holes in castings, forging or other materials by plugging, welding or brushing. 2) Unauthorized Processing - Addition, revision or deletion of processes in manufacturing when processes are subject to specification control by SPM, 3) Disregard of Approvals - Change in any process or quality control procedure. 4) Improper Material Submittal - Submission of material having known defects/problems. 5) Improper Material Re-submittal – Re-submittal of material to SPM. 6) Malpractice or intentional misrepresentation of data, certification or material suitability.
SPM_SQC_12*	<p>Control of Lower-Tier Suppliers: The Supplier shall flow-down all applicable SPM purchase order requirements, including, but not limited to Terms and Conditions and Quality Clauses to Sub-Tiers performing work involving the SPM purchase order, including key characteristics and applicable F.O.D. control processes where required.</p>
SPM_SQC_13*	<p>Anti-Terrorism: Requirements for the Supplier to comply with Executive Order E13224. Supplier shall not engage in any transaction of any type with persons or businesses or organizations who commit, threaten to commit or support terrorism.</p>
SPM_SQC_14*	<p>Export Compliance: When ITAR, EAR and/or other government rated data is noted on the purchase order, blueprint, or other manufacturing information, the US government restrictions/requirements must be followed. If you have any questions concerning export-controlled items or government rating, notify the SPM Buyer. All concerns must be addressed prior to the acceptance of this order.</p>

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SPM_SQC_15*	Counterfeit Prevention: The Supplier shall establish and maintain a Counterfeit Parts Prevention/Avoidance and Control Plan using Industry Standard AS6174 (Counterfeit Material; Assuring Acquisition of Authentic and Conforming Material) as a guideline. The process shall be to prevent and control the delivery of counterfeit parts. Counterfeit or suspect parts shall be controlled and handled as a non-conforming material until determined otherwise to prevent re-entry into the supply chain. If suspect/counterfeit material is furnished under this purchase agreement, such items shall be impounded. The seller shall promptly replace such items with items acceptable to SPM and the Supplier may be liable for all costs relating to impoundment, removal and replacement. SPM may turn such items over to Authority Having Jurisdiction for investigation and reserves the right to withhold payment for the suspect items pending the results of the investigation. Any known instances of fraud or attempted fraud shall be documented in writing to the SPM Buyer.
SPM_SQC_16*	DODD-FRANK ACT (Conflict Minerals): Supplier's acknowledgement and acceptance of this purchase order signifies that the Supplier is aware and in compliance with the Dodd-Frank Act formally known as Public Law 111-203, H.R. 4173 Section 1502 regarding the purchase and use of Conflict Minerals in Supplier's products offered for sale. Further Supplier acknowledges that its sub-tier Suppliers are aware and in compliance with the requirements of the Dodd-Frank Act, Public Law 111-203, H.R. 4173 Section 1502. In addition, Supplier shall maintain records, in accordance with its own policies and procedures, documenting the sub-tier Suppliers awareness and compliance with the Act. A statement of Dodd-Frank Act compliance attesting in words as follows is required for all deliveries. "[Company Name] certifies and attests that this product conforms with the requirements of the Dodd-Frank Act, Public Law 111-203, H.R. 4173 Section 1502". Supplier must flow down this requirement to its sub-tier Suppliers as required.
SPM_SQC_17*	Restriction of Hazardous Substances (RoHS): The processes used and product supplied to this purchase order shall be in compliance to the Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive (2008/95EC) by not exceeding the specified limits of those hazardous substances, as contained in the latest directive and decisions (revisions). A statement of compliance attesting in words as follows is required for all deliveries. "[Company Name] certifies and attests that this product complies with the requirements Restrictions of Hazardous Substances (RoHS) Directive 2008/95EC". Supplier must flow down this requirement to its sub-tier suppliers as required.
SPM_SQC_18*	Prevention from Contact with Mercury: The Supplier shall ensure that the material purchased by SPM has had no contact with mercury or its sub-components while in their possession and shall obtain the same from their suppliers. A statement of compliance attesting in words as follows is required for all deliveries. "[Company Name] certifies and attests that this product has had no contact with mercury while under our control." Supplier must flow down this requirement to its sub-tier suppliers as required.
SPM_SQC_19	Shelf Life: No materials with a shelf-life date will be shipped to a SPM purchase order with less than 50% of the full shelf-life as determined by the original manufacturer unless previously approved in writing by SPM. The expiration dates shall be clearly recorded on the packaging and the shipping documents. With each delivery of materials on this purchase order, that have a limited or specified shelf life, the Supplier shall furnish the following data: <ol style="list-style-type: none"> Cure or manufacture date; Expiration date or shelf life; Lot or batch number, and When applicable, any special storage requirements/handling procedures to be followed.
SPM_SQC_20	Temperature Sensitive Material: The Supplier must identify each shipment of temperature sensitive material with the manufacture date, storage temperature and recommended shelf life, in addition to the normal identification requirements of Name, Type, Size, Lot Clause and Quantity. Identification and special handling conditions must be recorded on the shipping document.
SPM_SQC_21	Test and Analysis Data: The data from any qualification testing, functional testing, analysis test and/or lot acceptance test required for the manufacturing of SPM parts shall be available upon request from the Buyer.
SPM_SQC_22	Special Processes: Drawings and/or specifications listed in this purchase order may require Special Processes (where the resulting output cannot be verified by subsequent monitoring or measurement) at the Supplier or the Supplier's sub-tier. These Special Processes shall be documented, reviewed and approved by SPM prior to production. The Supplier shall establish a system to assure that the Special Process will be performed in accordance with the specification requirements, in adequate facilities, by competent personnel using proper procedures. When Special Processes are performed outside the Suppliers facility, it shall be the responsibility of the Supplier to assure proper performance, through surveys, certifications, and testing. These Special Processes include, but are not limited to NDE, NDT, Welding, Heat Treat, Precision Cleaning, Applied Finishes, etc. A Certificate of Compliance must be submitted with each shipment to SPM and must contain the Special Process Specification and Revision Level.
SPM_SQC_23	Source Inspection: Parts and materials supplied to this purchase order require Source Inspection by SPM or government representative prior to shipment. The Supplier will notify the SPM Buyer in advance when parts and materials will be ready for Source Inspection. It is the Supplier's responsibility to ensure part conformance to specified requirements prior to requesting Source Inspection.
SPM_SQC_27	Drop-Shipped Parts and Material: When the Supplier is requested by SPM to drop-ship parts or material to a location other than SPM, they will include a copy of the purchase order along with all required data and certifications specified by the purchase order's Quality Clauses. The Supplier will also send electronic copies of the packing slip and tracking information to the SPM Buyer at the time of shipment. The Supplier will ensure Source Inspection is performed or a waiver for such inspection is received from SPM Quality prior to shipment if the purchase order contains a Quality Clause requiring Source Inspection. The Supplier shall require the receiving organization of drop-shipped material to notify them when parts and materials are received. The receiver will also verify the appropriate type and quantity of materials and ensure such materials are undamaged by handling and shipping. The receiver will immediately notify the Supplier, who shall in turn notify the SPM Buyer of any problems or concerns with received materials.

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SPM_SQC_28*	Identification, Preservation, Packaging, and Packing: All shipments to SPM must be packaged to avoid damage and deterioration and must be shipped to the address specified on the purchase order unless otherwise noted. Packaging and packing shall be in accordance with best commercial practices unless otherwise specified on the purchase order. Parts shall not be intermingled unless otherwise specified. Each box or container shall be labeled and have as a minimum the following information: (1) Part number and revision, (2) PO number, (3) PO Line Item, (4) Quantity, (5) Manufacturer's or Supplier's identification.
SPM_SQC_29*	Packing Slip Information: Packing slips are required on all shipments and, at a minimum, must contain the following information: <ol style="list-style-type: none"> 1) Part Number 2) Part Description 3) Part Number Revision (if applicable) 4) PO Number 5) PO Line Number 6) Quantity shipped 7) Manufacturer or Supplier Identification
SPM_SQC_30	Government Contracts: The parts on this purchase order are for NATIONAL DEFENSE USE. The Supplier shall flow-down all applicable purchase order requirements related to Federal Acquisition Regulations (FAR) and Defense Federal Acquisition Regulations Supplements (DFARSs). THE ITEM (S) PROCURED UNDER THIS PURCHASE ORDER ARE CONTROLLED UNDER THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (ITAR.), AND IF EXPORTED OUTSIDE OF THE U.S. OR EXPORTED TO A FOREIGN PERSON INSIDE THE U.S. WILL REQUIRE A U.S. DEPARTMENT OF STATE LICENSE OR OTHER APPROVAL. IT IS YOUR RESPONSIBILITY AS A SUPPLIER TO ENSURE THAT THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS ARE COMPLIED WITH IN ALL RESPECTS. YOU MAY ACCESS THE ITAR REGULATIONS WHICH INCLUDE THE U.S. MUNITIONS LIST BY VISITING THE FOLLOWING WEBSITE http://www.pmdc.state.gov?id=ddtc_public_portal_itar_landing . YOU ARE REQUIRED TO FOLLOW ALL THE PROVISIONS OF THE DEFENSE PRIORITIES AND ALLOCATIONS SYSTEM (DPAS) REGULATION (15 CFR PART 700) ONLY AS IT PERTAINS TO THE RATED QUANTITIES. DPAS RATED ORDERS MUST BE ACKNOWLEDGED IN WRITING (HARD COPY), OR IN ELECTRONIC FORMAT, WITHIN FIFTEEN (15) WORKING DAYS AFTER RECEIPT OF A DO RATED ORDER AND WITHIN TEN (10) WORKING DAYS AFTER RECEIPT OF A DX RATED ORDER. UNLESS OTHERWISE STATED, ALL GOVERNMENT RATED PURCHASE ORDERS ARE PRIORITY DO . NOTE: DRAWINGS AND OTHER TECHNICAL DATA FURNISHED IN CONNECTION WITH THIS ORDER MAY CONTAIN A DOD-CONTROLLED DISTRIBUTION STATEMENT AND EXPORT CONTROL WARNING & DESTRUCTION NOTICE. YOU AND YOUR SUB-TIER SUPPLIERS ARE REQUIRED TO COMPLY WITH THESE STATEMENTS AND TO AFFIX THE STATEMENTS TO ANY SUCH DATA WHICH YOU MAY GENERATE. DUAL USE (CONTROLLED) BY EXPORT ADMINISTRATION REGULATIONS (EAR) AS LISTED ON COMMERCE CONTROL LIST (CCL). https://www.bis.doc.gov/index.php/regulations/commerce-control-list-ccl
SPM_SQC_31*	Certificate of Compliance (C of C): All items supplied to this purchase order will be accompanied by a C of C. The C of C will be dated and signed by a responsible company representative certifying the supplied parts meet all purchase order, specification, and drawing requirements from the SPM Buyer. All certifications must affirmatively state the item meets purchase order requirements. Statements such as "To the best of our knowledge..." or other ambiguous terms are not permitted. Certifications must include the following: <ol style="list-style-type: none"> 1. SPM PO Number 2. SPM Part Number, Revision, Serial Numbers and Lot Clauses where applicable. 3. Quantity Shipped 4. Name of approved lower-tier supplier(s) and descriptions of service provided (if applicable) 5. Printed name and signature of authorized person and date.
SPM_SQC_33	Measuring and Test Equipment: It is the Supplier's responsibility to ensure all equipment, including Customer Furnished Equipment and Government Furnished Equipment, used to test and inspect SPM supplied parts are maintained and traceable to the National Institute of Standards and Technology (NIST) requirements. A calibration system in accordance with ISO 17025:200, ANSI/NCSL Z540-1, or equivalent will be used by the Supplier.
SPM_SQC_34	Physical/Chemical Analysis of Material: A laboratory certificate of actual physical and/or chemical data, including certification to any specifications listed in the purchase order item description, is required for this material and shall be included with shipment.
SPM_SQC_35	Safeguarding of Covered Defense Information: It is the Supplier's responsibility to conform to "Shapes Terms and Conditions – Purchasing – Supplement 1" regarding cloud computing services and the use and protection of covered defense information and cyber incident reporting.

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Combined Quality Clauses by Commodity

SQC codes denoted with * are universal and apply to all commodity groups.

Processing Suppliers	
SPM_C_01	Processing suppliers must furnish processing C of Cs to SPM purchase order requirements, and shall not process any parts for which they are not certified or approved. Acceptable quality system requirement are AC7004, ISO9001, or AS9100; SPM may make exceptions based on supplier survey information or applicable customer requirements. Supplier must have the ability to ensure the adequacy of the special process provided and provide SPM the required documentation per PO requirements. SQC_02, SQC_07, SQC_08, SQC_09, SQC_10, SQC_11, SQC_12, SQC_13, SQC_14, SQC_15, SQC_16, SQC_17, SQC_18, SQC_22, SQC_28, SQC_29, SQC_30 and SQC_31 are applicable.
Material Suppliers	
SPM_C_02	Suppliers are responsible to ensure compliance for materials used to manufacture parts supplied to Shapes Precision Manufacturing. Material suppliers must furnish material certifications (to include all material lot treatments) per SPM purchase order requirements, and shall not supply material for which they are not certificated or approved. When noted on our purchase orders, raw material supplied must be USA domestic material. Acceptable quality system requirements are ISO9001, AS9100 or AS9120; SPM may make conditional exceptions based on supplier survey information or applicable customer requirements. The Supplier must have the ability to ensure the adequacy of the product provided and provide SPM the required documentation per purchase order requirements. SQC_08, SQC_09, SQC_10, SQC_11, SQC_12, SQC_13, SQC_14, SQC_15, SQC_16, SQC_17, SQC_18, SQC_22, SQC_28, SQC_29, SQC_30, SQC_31 and SQC_34 are applicable.
Machining & Manufacturing Suppliers	
SPM_C_03	Machining and manufacturing suppliers must have the ability to ensure the adequacy of the product provided to SPM and provide the required documentation per purchase order requirements. SQC_02, SQC_07, SQC_08, SQC_09, SQC_10, SQC_11, SQC_12, SQC_13, SQC_14, SQC_15, SQC_16, SQC_17, SQC_18, SQC_28, SQC_29, SQC_30, SQC_31 and SQC_33 are applicable.
Calibration & Testing Suppliers	
SPM_C_04	It is the seller's responsibility to ensure all equipment, including Customer Furnished Equipment and Government Furnished Equipment, used to test and inspect Shapes Precision Manufacturing supplied parts are maintained and traceable to the National Institute of Standards and Technology (NIST) requirements. A calibration system in accordance with ISO 17025:200, ANSI/NC SL Z540-1, or equivalent will be used by the supplier. SQC_09, SQC_10, SQC_11, SQC_12, SQC_13, SQC_14, SQC_15, SQC_16, SQC_17, SQC_18, SQC_28, SQC_29, SQC_31 and SQC_33 are applicable.
Hardware	
SPM_C_05	For all hardware – fasteners (studs, bolts, screws, washers, nuts, etc.) SQC_09, SQC_10, SQC_11, SQC_12, SQC_13, SQC_14, SQC_15, SQC_16, SQC_17, SQC_18, SQC_28, SQC_29 and SQC_31 are applicable.
Limited Life Materials	
SPM_C_06	For rubber, chemicals, paints, etc. SQC_09, SQC_10, SQC_11, SQC_12, SQC_13, SQC_14, SQC_15, SQC_16, SQC_17, SQC_18, SQC_19, SQC_20, SQC_28, SQC_29 and SQC_31 are applicable.
NADCAP Requirement NDT and Welding Supplies	
SPM_C_07	For NADCAP purchase requirements including weld wire and non-consumable electrodes (tungsten) SQC_08, SQC_09, SQC_10, SQC_11, SQC_12, SQC_13, SQC_14, SQC_15, SQC_16, SQC_17, SQC_18, SQC_21, SQC_28, SQC_29, SQC_31, SQC_33 and SQC_34 are applicable.

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Quality Clauses for Pratt & Whitney

SPM PW001	<p>A- General Requirements</p> <ol style="list-style-type: none"> 1- Pratt & Whitney is the end user. 2- PWA 300, Control of Materials, Processes and Parts applies. 3- All reference made to specifications and/ or standards in these Supplier Quality Clauses for Pratt & Whitney end use shall be understood to be the current revision included at time of P.O. placement. 4- The information disclosed herein is proprietary to Shapes Precision Manufacturing (SPM) and/or Pratt & Whitney (P&W) and shall not be duplicated, used or disclosed to reproduce articles or subject matter covered therein without the written permission of SPM. By acceptance of this purchase order the supplier agrees to affix this statement to any duplication thereof in whole or in part. 5- Adherence to the principles set forth in the UTC Supplier Code of Conduct (https://www.utc.com/en/Our-Company/ethics-and-compliance) is required and must be flowed down to all sub-tiers.
SPM PW002	<p>B- Quality System Requirements</p> <ol style="list-style-type: none"> 1- During performance of this order your quality system and manufacturing process are subject to review, verification, analysis and approval by SPM and P&W representatives. 2- Supplier must be certified to AS9100 . 3- Supplier's quality system must conform to Pratt & Whitney ASQR-01. 4- All materials and processes shall be controlled in accordance with the applicable PWA MCL-LCS requirements (ref. MCL F-17). Approved MCL-LCS suppliers are identified in MCL Appendix 36. Special process suppliers must be approved per MCL F-36 and be listed in MCL SQL. When used, NDT sources must be approved and be listed in MCL Appendix A. Approved commercial test labs must be approved and be listed in MCL Appendix 56. 5- Supplier is responsible for ensuring adherence to and flowing down the requirements of this purchase order to all sub-tiers. 6- Supplier shall retain all records in accordance with ASQR-01 (up to 40 years, depending on the record type), and will make these records available to SPM upon request within 24 hours. 7- Supplier shall use and maintain calibrated inspection and test equipment in accordance with MCL F-22, ANSI/NCCL Z540.1, ISO 10012 and ISO/IEC 17025 as applicable.
SPM PW003	<p>C- Source Verification</p> <ol style="list-style-type: none"> 1- PWA 370, Engineering Source Approval applies. 2- SPM and/or P&W shall be afforded the right to verify at the suppliers premises any information relating to the manufacture, procurement, testing and/or inspection of product required for the performance of this order.
SPM PW004	<p>D- Certification, Inspection and Test Reports</p> <ol style="list-style-type: none"> 1- Unless otherwise specified on the purchase order, a first article shall be manufactured and inspection results shall be documented in accordance with AS9102 and ASQR-08.2. Both the product and inspection results shall be submitted to and approved by SPM Engineering (and/or P&W if applicable) prior to continuing production. 2- Certificate of Conformance, which includes the suppliers information, the SPM P.O. number, the part number ordered and the quantity being shipped, heat number, the packing slip number, a certification statement indicating that the product is fully conforming to all requirements of the purchase order, blueprints, specifications and other associated documents, and reference to documentation authorizing shipment of non-conforming product (if applicable). 3- Unaltered producing mill certification from a P&W approved testing lab, including raw material testing results and references to material specifications as required by P.O. or blueprint and traceable to each heat number, shall be included with each shipment. 4- Material Safety Data Sheet (MSDS) only required with the initial shipment on this P.O. 5- Test and certify to the following specifications as applicable for non-rotor applications (as applicable): <ol style="list-style-type: none"> i. F-14 and E-25 for all raw materials (Bar, Rod, Tube, Plate, Sheet, Strip and Wire). 6- Test and certify to the following material spec. requirements (this list is for reference and does not waive any additional requirements contained within F-14): <ol style="list-style-type: none"> i. Inco 718 sheet/strip: test and certify to E-44. ii. Nickel Alloy tubing: test and certify to E-133. iii. Solutioned/Annealed Waspaloy: test and certify to E-39. iv. Braze/Weld Wire: test and certify to F-53. v. Forgings: test and certify to F-4, F-65. vi. Castings: test and certify to F-11. 7- LCS suppliers (ref. MCL Appendix 36) shall clearly state the following (or similar) on the Certificate of Conformance: "Parts/Material have been controlled to P&W requirements for LCS per P&W MCL Manual Section F-17". 8- Non-LCS suppliers (ref. MCL Appendix 36) shall certify to F-22 and other applicable F sections. In addition, clearly state the following on the Certificate of Conformance: "Product/Process not LCS certified. Testing required upon receipt". 9- Weld Wire and Braze material shall meet and be certified per F-61, F-62 and F-53.

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SPM PW005	<p>E- Special Requirements</p> <ol style="list-style-type: none"> 1- PW QA-6078, Quality control requirements for P&W designed castings applies. 2- PW QA-6071, Control of hidden requirements and special identification applies. 3- The requirements of Pratt & Whitney's Material Process and Protection Plan (MP3) are imposed on one or more Advanced Technology Components (ATC) associated with this purchase order for the purpose of protecting, controlling access to, shipping and handling of ATC's. Adherence to MP3 is mandatory. Vendor approval by the Program Security Officer (PSO) is required prior to receiving an ATC.
SPM PW006	<p>F- Product and Process Requirements</p> <ol style="list-style-type: none"> 1- Special processes shall not be performed without written authorization (via blueprint, P.O. or similar). Source Substantiation/Approval is required for all special processes in accordance with the applicable P&W specification (e.g. PWA 300). No changes shall be made to approved sources or processes without SPM and/or P&W approval, as applicable. 2- Suppliers of bar stock, castings, forgings, extrusions, rolled or welded rings and sonic configuration parts shall comply with all applicable requirements of PW QA-6078. 3- Unless otherwise approved in writing by SPM or P&W, inspection to the blueprint and/or P.O. requirements shall be performed on all product prior to shipment. All sampling plans submitted for approval shall be statistically validated using a sample size of at least 25 parts. Once approved, SPC methods shall continue to be used to ensure the process capability (CPK) is maintained at or above A 1.3. 4- Heat number/lot traceability shall be maintained for all materials/product during all stages of processing through shipment to SPM. 5- Unless otherwise specified, raw material shall be line marked with the material type and industry specification, size, mill name and heat number. Processed materials such as castings, forgings and product blanks shall be ink marked with the part number and heat number if not otherwise specified on the P.O., blueprint or other referenced documents. 6- If raw material incorporated into the product is not certified in accordance with MCL-LCS requirements, a sample of material of the same heat code as the product shall be provided free of charge to SPM for independent verification of raw material properties at the expense of the supplier. The sample size shall be 6" X 6" for sheet, strip or plate; 6" length for wire, tube or bar; or as otherwise agreed upon for other product types. This requirement shall be imposed by material specification at a maximum frequency of annually or with each shipment, whichever is less. Grouping of multiple products and/or multiple P.O.'s by common material specification is acceptable. 7- Any specialty metals incorporated in product delivered under this P.O. shall be melted in the United States or other qualifying country in accordance with DFARS Clause 252.225-7014, "Preference for Domestic Specialty Metals" and DFARS Clause 225.872.1, "Contracting with Qualifying Country Sources – General". 8- Pratt & Whitney MCL Manual Section F-22 applies. 9- Pratt & Whitney MCL Manual Section F-40 applies.
SPM PW007	<p>G- Shipping Requirements</p> <ol style="list-style-type: none"> 1- Product shall be preserved in accordance with the applicable requirements of paragraph 5 of P&W Specification POP 1614 unless otherwise approved by SPM.
SPM PW008	<p>H- Documentation Requirements</p> <ol style="list-style-type: none"> 1- Packing slip shall include supplier's information, the part number, and the P.O. number (including line and release numbers). 2- Documentation from SPM authorizing shipment of non-conforming product (if applicable) shall reference the P.O. number, Part Number and quantity authorized for shipment.
SPM PW009	<p>I- Non-Conforming Product</p> <ol style="list-style-type: none"> 1- If SPM Engineering has agreed in writing (prior to shipment) to accept non-conforming product in its current condition, the supplier shall supply a separate certificate of conformance for the non-conforming product, referencing the P.O. number, Part Number, Quantity and all applicable means of traceability. The document shall also state that the product does not fully conform to the P.O. requirements and shall identify and take exception to the specific non-conformances identified. The supplier shall also include documentation from SPM authorizing its shipment. 2- Product found to be non-conforming upon receipt by SPM (and without prior notification of the non-conformance by the supplier and shipment authorization by SPM) and is deemed by SPM Engineering to be reworkable to a usable condition, supplier shall be held responsible for all costs incurred by SPM associated with reworking the product up to its original purchase price. 3- When shipping product to SPM, non-conforming product shall be physically identified using a temporary method of identification (preferably a red tag). Non-conforming product, when shipped with conforming product, shall be segregated in separate bags, boxes, or other appropriate packaging. The packing slip shall identify the non-conforming product (quantity, identification and traceability) separately from the conforming product.

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Quality Clauses for GE Aviation

SPM GE001	<p>A- General Requirements</p> <ol style="list-style-type: none"> 1- GE Aviation is the end user. 2- S-1000, GE Aviation Quality System Requirements for Suppliers, applies. 3- All reference made to specifications and/ or standards in these Supplier Quality Clauses for GE Aviation end use shall be understood to be the most recent released revision. 4- The information disclosed herein is proprietary to Shapes Precision Manufacturing (SPM) and/or GE Aviation and shall not be duplicated, used or disclosed to reproduce articles or subject matter covered therein without the written permission of SPM. By acceptance of this purchase order the supplier agrees to affix this statement to any duplication thereof in whole or in part. 5- Material test reports shall be generated by a laboratory certified to S-400 (metallic materials) or S-450 (non-metallic materials).
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Information below is for Shapes internal approval only and is not to be published in released document.

President: _____
Paul Sesta
Approval Date

Quality Manager: _____
Michael Dozer
Approval Date

RECORD OF AMENDMENTS		
REV	DESCRIPTION OF CHANGE	DATE
D	Added Supplier Quality Clauses for customer Pratt & Whitney	6/12/2017
E	Revised clause SPM_SQC_15* and form number	3/25/2019
F	Various updates to align with new procedures and practices	6/4/2019
G	Added SPM_SQC_35 for Safeguarding of Covered Defense Information	4/21/2021
H	Added Supplier Quality Clause for customer GE Aviation	8/20/2021
J	Updated SPM_SQC_35 to reference Shapes Term and Conditions – Purchasing – Supplement 1; updated role for signoff	10/4/2021