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Quality Management Systems –

Under this contract, the supplier shall flow down the substance of this clause to all subcontracts awarded.

AS9100 Suppliers: The supplier will at minimum maintain and implement a documented quality management system, certified to AS9100 and/or ISO9001 (AS9120 is acceptable for distributors; ISO 17025 is acceptable for material test and calibration laboratories).

Suppliers must provide Prowse Manufacturing Group (PMG) written notification if certification/recertification is cancelled, has been rescheduled past the required certification date, or if there are any major or reoccurring findings resulting from certification/recertification.

Less than AS9100 Suppliers: Suppliers who do not maintain a quality system certification to AS9100 and/or ISO9001 must maintain documented procedures available in the English language that is compliant with AS9100 and/or ISO9100 standards and addresses the following requirements:

1. Identification and Traceability
2. Control of Nonconforming Material
3. Control of Customer Property/Data
4. Process Control
5. Measurement and Monitoring of Product
6. Training
7. Preservation of Product
8. Control of Quality Records
9. Internal Process and Quality Audit
10. Contract / Purchase Order Review

Additionally, suppliers must provide PMG with written notification of any changes in ownership and management representatives with assigned responsibility and authority for the quality system.

QAC-02 Certifications –

Under this contract, the supplier shall flow down the substance of this clause to all subcontracts awarded.

Suppliers must provide a statement on the packing sheet certifying its quality assurance department has inspected the parts/processes and/or services and they adhere to all requirements, applicable drawings/specifications.

Purchased Complete Product - A certificate of conformance (CofC) shall accompany each shipment including traceability (manufacturer’s production order/lot number, raw material cert(s), processing cert(s)) to the product provided and a statement that the product provided meets the controlled engineering and purchase order requirements. The certificate of conformity shall also include a list of special processes performed by supplier and the supplier’s sub-tiers. This will include the special processor name and process designation (specification and revision, type, class, and/or grade, material condition, certifications, etc. as applicable).

Raw Materials and Standard Hardware – A legible certificate of conformance from the original product manufacturer shall accompany each shipment including traceability information (i.e., manufacturing date, production lot, batch number, heat lot, etc. as applicable) to the product provided and a statement that the product provided meets the controlled engineering and purchase order requirements. Distributors of hardware or raw material are required to include the name of the original product manufacturer and reference traceability information to the product provided on their pack slip. Certified physical and metallurgical test reports are to be included when required by the controlling specification or purchase order.

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Processes - A certificate of conformance shall accompany each shipment including traceability (PMG’s PO number) to the product provided and a statement that the product provided meets the controlling engineering and purchase order requirements. The certificate of conformity shall also include a list of special processes performed. This list will include the process designation (specification, revision, PSDs, type, class, and/or grade as applicable). For primer and paint processes, the average coating thickness will be documented on the certificate of conformance. Certified physical and metallurgical test reports are to be provided where required by controlling specification or purchase order.

QAC-02 Electronic Certifications – Certifications are to be supplied electronically in PDF format upon production shipment with the applicable PMG PO number as the subject line of the email. This is in addition to physical paper copies attached to the product shipment.

QAC-03 Shelf Life – The manufacturing and applicable expiration dates must be noted on each individual container and certification. Product must be shipped to PMG with a minimum of 80% of its certified shelf life remaining, unless otherwise approved by PMG Purchasing/Manufacturing.

QAC-04 First Article –
Under this contract, the supplier shall flow down the substance of this clause to all subcontracts awarded.
 Supplier shall perform First Article Inspection (FAI) on all supplied product in accordance with AS9102 (latest revision).

Supplier shall attach FAI/delta FAI supporting documentation (material/processing certs, work orders, bubbled drawings/parts lists, CMM or other inspection data, etc.) as applicable.

QAC-05 Responsibility for Conformance

The supplier is responsible for furnishing products/processes and services that conform to the requirements of the purchase order, engineering/quality requirements, ensuring their personnel are aware of their responsibilities for product conformity/safety, and the importance of adhering to ethical behavior. Surveillance, inspections, and tests performed by PMG, PMG’s customer(s), or the government representatives do not relieve the supplier of these responsibilities.

QAC-06 Statistical Process Control – Statistical process control is required and shall be on the purchase order and per AS9100 requirements.

QC-07 Pre-production First Part Approval – The supplier shall submit the first part to PMG for inspection verification when such approval is required per the purchase order or engineering requirement.

QC-08 Manufacturing Facility Location – Supplier is required to notify PMG of changes in manufacturing facility location. Upon review of the proposed changes, PMG may require additional information and/or approval prior to implementation.

QAC -09 Parts Identification - All parts must be identified per PMG PO requirements and controlling engineering and/or specification requirements including, at a minimum, the part number, manufacturer’s lot or traceability number and manufacture date (as applicable). Deviations from drawing requirements in either the manner and/or location of this identification must be reviewed / approved by PMG Engineering and PMG Quality prior to shipment.

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QAC-10 Product Packaging – Product must be boxed, banded, or shipped in a manner that will ensure that no damage will occur during handling. External threads must have special protection against damage. All supplied products must be segregated by part number and lot. In-process parts and/or packaging (whichever is more feasible) must be temporarily marked with the PMG job number or lot number to maintain traceability during shipping and receiving. As shown and opposite configurations should be packaged separately unless all pieces are clearly identified which configuration they represent.

QC-11 Right of Entry –

Under this contract, the supplier shall flow down the substance of this clause to all subcontracts awarded. PMG and/or PMG's customer or government representatives will have the right to survey facilities and review all processes, subcontractors, contracted parts, procedures, and records.

QC-12 Subcontracting – Supplier is only authorized to subcontract special processes (as defined and controlled by PMG customer specifications) outside of supplier's capabilities. All other subcontracting requires written consent from PMG Purchasing and approval by PMG Quality Assurance. Supplier shall flow down to Subcontractors any/all applicable requirements in the purchasing documents, including key characteristics, where required.

Note: The supplier shall not relocate or subcontract work to a non-US country without written notification to and approval from PMG.

QC-13 PMG Supplied Drawings / PCMs – All engineering drawings / PCMs provided by PMG are PMG property and must be returned with this order.

QC-14 NADCAP – Supplier must be NADCAP approved as applicable for the processes being performed.

QC-15 Quality Records –

Under this contract, the supplier shall flow down the substance of this clause to all subcontracts awarded. Supplier shall maintain and have available on a timely basis (upon request), lot traceable quality records evidencing inspection & conformance of all product, processes and services delivered to PMG throughout all stages of manufacturing including (where applicable); raw material used, relevant chemical, physical and mechanical test reports, special processes performed, CMM and dimensional inspection reports created during the inspection process, as well as dispositions of nonconforming product & scrap. No quality records shall be destroyed without the written consent of PMG Quality.

QC-16 Revision Control – Unless otherwise specified on the PO, latest revision applies on all engineering and specifications used in product manufacture. Documents shall be provided to you by your PMG Buyer upon request. Engineering requirements and PMG Condition of Supply (COS) revisions/requirements are listed directly on the PMG PO. POCs will be provided to you by your PMG Buyer as required. Specification revisions are available on the PMG Website and will be provided to you by your PMG Buyer upon request.

QC-17 ITAR Requirement –

Under this contract, the supplier shall flow down the substance of this clause to all subcontracts awarded. IMPORTANT/CONFIDENTIAL: This PO (and any drawings and/or attachments accompanying it) may contain confidential information, including information protected by United States Government. The information is intended only for the use of the intended recipient(s). Delivery of this PO to anyone other than the intended recipient(s) is not intended to waive any privilege or otherwise detract from the confidentiality of the PO. If you are not the intended recipient, or if this PO has been addressed to you in error, do not read, disclose,

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reproduce, distribute, disseminate, or otherwise use this information, rather, please promptly notify the sender by phone or e-mail, and then destroy all copies of the PO and its attachments, if any.

QC-18 Inspection Options –

Under this contract, the supplier shall flow down the substance of this clause to all subcontracts awarded. Supplier shall inspect or otherwise verify that all Products or Services, including those components procured from or furnished by sub-tier suppliers, subcontractors, or the customer, comply with the requirements of the purchase order prior to shipment. Supplier shall be responsible for all tests and inspections of the product during receiving, manufacture and final inspection. Supplier agrees to furnish copies of test and/or control data to PMG Buyer/Quality Representative upon request.

Supplier shall perform 100% in-process and final inspection for all product/processes and services.

OR

Suppliers performing statistical sampling must obtain written approval from PMG Quality Assurance that their process/procedure conforms to the requirements of AS9138 "Aerospace Series – Quality Management Systems Statistical Product Acceptance Requirements" with minimum protection levels meeting SAE AS9138 Table A1 and C=0 unless otherwise noted, **prior to** implementing sampling on any PMG product. PMG reserves the right to disallow a supplier's statistical methods for product acceptance for specific programs, parts, or characteristics, and to conduct surveillance at Supplier's facility to assess conformance to the requirements of AS9138. Any characteristics identified in the design documentation as "Safety" or "Critical" (or similar) shall not be accepted using statistical product acceptance methods.

QC-19 Nonconforming Product and Notification of Escapement (NOE) –

Under this contract, the supplier shall flow down the substance of this clause to all subcontracts awarded.

Non-Conforming Material - In-process product (including any product with customer furnished material and/or issued to an PMG manufacturing order) that is determined to be nonconforming at the Supplier must be identified/tagged and returned to PMG Purchasing/Quality with a description of the nonconformance and any work performed/not performed in accordance with the applicable purchase order. Nonconforming product not identified and tagged by the supplier will be documented through PMG's process for control of nonconforming product and dispositioned at PMG discretion.

Note: Rework of purchase complete product to drawing configuration, or scrap of nonconforming product may be made without prior PMG approval where permissible in the drawing/specification.

Authorization to Ship – in the event of non-conforming product/material cannot be reworked to meet engineering requirements, the supplier must submit a discrepancy to PMG quality representative to authorize shipment of the product.

Notification of Escapement - Supplier shall provide written notification to PMG within one (1) business day when a nonconformance is determined to exist, or is suspected to exist, on product already delivered to PMG under any order. When the following is known, written notification shall include:

- A. Affected process(es) or product number(s) and name(s)
- B. Description of the nonconforming condition and the affected engineering requirement (i.e., what it is and what it should be)
- C. PMG purchase order/line item/release, manufacturer lot number, quantities, and dates shipped to PMG.

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D. Nonconforming parts received from outside services are to be identified/ tagged with a description of nonconforming condition.

The Supplier shall not use dispositions of use-as-is or repair on nonconforming product.

Request for Containment and Corrective Action - When PMG notifies Supplier of a detected nonconformance, Supplier shall immediately take action to contain and eliminate the nonconformance on all products in the Supplier's control. Supplier shall also maintain verification that root cause corrective action has occurred and has resolved the subject condition. PMG reserves the right to review the verification data at Supplier's facility or have the data submitted to PMG.

When Supplier is requested to submit a formal containment and/or corrective action response, the response shall be submitted within the time allotted, and format specified. In the event Supplier is unable to respond within the allotted time frame the supplier shall submit a written request for extension, subject to PMG approval. The request for extension shall include the reason for the extension and the additional time needed to complete the corrective action response. Requests for corrective action shall be timely and effective. Failure to do so may result in removal or approvals and/or additional monitoring as deemed appropriate.

QC-20 Excess Inventory – The Supplier shall strictly control all inventory of customer proprietary product that is in excess of contract quantity in order to prevent product from being sold or provided to any third party without prior written authorization from PMG.

QC-21 Foreign Manufacture – Part Marking
Under this contract, the supplier shall flow down the substance of this clause to all subcontracts awarded. All foreign manufactured items furnished under the Purchase Order, unless excepted by law, must be legibly marked with the English name of the country of origin per U.S. Customs Regulation 19 CFR Part 134 Country of Origin Marking. Markings are to be legible, indelible, and as permanent as the nature of the article or container will allow.

QC-22 Counterfeit Parts –
Under this contract, the supplier shall flow down the substance of this clause to all subcontracts awarded. Supplier shall have in place a documented program to avoid, detect, mitigate, disposition, and disclose counterfeit parts and materials (reference AS6174 for guidance). Suppliers shall also flow down counterfeit parts programs requirements to their sub-tiers, especially but not limited to:

- Electronic parts suppliers
- Raw material suppliers
- Hardware suppliers
- Distributors

QC-23 Foreign Object Damage Control Program (FOD) –
Under this contract, the supplier shall flow down the substance of this clause to all subcontracts awarded. The supplier shall establish, document, and maintain a program to control and eliminate FOD and/or contamination during manufacturing, assembly, test, inspection, packaging, and shipping operations in compliance with AS9146. When applicable, the Supplier's FOD control program shall include controls to preclude FOD or contamination at the Supplier's sub-tier sources. The following basic elements shall be included in the Supplier's FOD control program.

- FOD prevention training

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- Area designation and visual management systems
- Manufacturing planning consideration for FOD prevention – Work sequencing – Cleanliness of work area – Control of tools, personal items, consumables, hardware, scrap, etc.
 - Protection from FOD during handling, packaging, and shipping
 - Periodic evaluation of the FOD control program for effectiveness