	<h2 style="text-align: center;">Loc Performance</h2>		
	Document Title: Quality Assurance Provisions – List of Requirements (Numbered)		
	Document No: C-F-PUR-0074	Revision: 9	Process Owner: Quality Director
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QAP 1.) Supplier shall comply with all Quality System Requirements and Procedures specified by the Buyer, including these applicable to Supplier as set forth in the following, as indicated

- | | |
|-------------------------------------|----------|
| <input checked="" type="checkbox"/> | ISO-9001 |
| <input type="checkbox"/> | AS9100 |
| <input type="checkbox"/> | NADCAP |

QAP 2.) Certificate of Conformance is required:

- a.) The Certificate of Conformance must contain (at a minimum) the part number, part revision level and Loc Performance purchase order number for the items being delivered.
- b.) This certificate is to certify that all materials used in the manufacture of parts delivered under this purchase order conform to the material, and/or manufacturing specification indicated on drawings, quality assurance requirements, or other applicable specifications.
- c.) Material, chemical or physical test reports that are required on the drawing must be in Loc's possession when the shipment arrives. Shipments without the required documentation will not be accepted and the supplier may be issued a Supplier Corrective Action Report (SCAR).
- d.) Special processes certifications that are applicable to this order (coatings, NDT, heat treating, performance testing, Etc.) must be in Loc's possession when the shipment arrives. Shipments without the required documentations will not be accepted and the supplier may be issues a Supplier Corrective Action Report (SCAR).

QAP 3.) All source-controlled components must have Certificate of Compliance from the specified manufacturer. This is to certify that the specified manufacturer supplier the component as specified and is in compliance with the source-controlled drawing, manufactures part number and any quality requirements, or other applicable specifications.

QAP 4.) In the case of materials substitutions authorized by customer engineering specifications the shipment must include a signed statement that the specifications have been reviewed and that the materials as supplied meets the material requirement contained on the design record. This may appear on the copy of the material certifications. Substitutions are only allowed in conformance to customer requirements and should be documented to purchasing at time of order. A Supplier Deviation Request (SDR) may be requested after receipt of order but not before shipment of product. Contact buyer to request SDR form.


QAP 5.) First Piece Inspection/FAI in AS9102 format and part (1 piece) is required to be submitted for the following.

- First time build
- New design
- Any significant changes to supplier procedure or product
- Initial blanket PO's
- TDP changes
- Break in production for greater than 12 months

Parts to be 100% inspected and documented in AS9102 format along with all applicable (material, special processes, performance testing etc.) certifications. Reports required when work is contracted to your facility. All requirements must be met prior to submission. Contact your Buyer for proper routing of FPI/FAI. For top level assemblies, inspection reports for individual parts are also to be submitted for all subcomponents. Parts are to be labeled with a FAI Billboard. FAI documents may either be physically sent in with the parts or be submitted through Loc's secured FTP site <https://ftp.locper.com/>

QAP 6.) All components for the military sector should have a plan that defines Corrosion Prevention and Control Planning (CPCP) and needs to be submitted with the parts.

QAP 7.) Customer source inspection by a representative from Loc Performance is required prior to each shipment. The supplier shall notify Loc Performance five business days prior to shipment. Requests for source inspection shall be emailed to CSS@locper.com. Unauthorized shipment of product without Loc Performance approval may result in the shipment be rejected and the product may be returned at the Supplier's expense.

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QAP 8.) Weld procedures and specimens are required and must be submitted to Loc Performance for review and approval prior to performing initial production welding. Once approved, production welding may be started. Any changes to the welding process will require the supplier to notify Loc Performance in writing and may require requalification through procedure and sample submissions.

QAP 9.) Supplier is required to submit ballistic thermal cut sample(s) in accordance with Loc Procedure C-P-QUAL-0240 using Loc form L-F-QUAL-0101.

QAP 10.) Heat treat certification, showing actual hardness results are required with each shipment.

- a.) Oven chart to be maintained by supplier and made available by request.

QAP 11.) Coating processes must be submitted to Loc Performance for review and approval prior to performing the process on production parts. Documentation shall be submitted to: <http://ftp.locper.com/ftp/>

QAP 12.) All grade 5 and 8 fasteners incorporated in the delivered items must be accompanied with chemical & physical certifications from manufacture or accredited independent test lab. Certification shall state actual chemical, axial tensile strength, hardness and proof load test results when applicable.

QAP 13.) The following material, chemical or physical test reports are required with each shipment and must be in Loc's possession when the shipment arrives. Shipments without the required documentation will not be unloaded from delivery truck.

- | | | | |
|------------------------------|-----------------------------|--------------------------|------------------|
| a.) Plate Size | d.) Actual Chemical content | g.) Charpy Impact Values | j.) Yield Point |
| b.) Material Specification | e.) Actual Hardness Content | h.) Heat Number | k.) Mercury Free |
| c.) Ballistics Firing Record | f.) Tensile Strength | i.) Elongation | |

QAP 14.) Supplier is required to maintain original heat lot traceability. Must include plate and slab if given. Multiple head numbers can be on one pallet but must be divided (cardboard) to keep segregated.

QAP 15.) Certificate of Conformance is required.


- a.) This is to certify that only those materials supplied by Loc Performance were used in the manufacture of parts delivered under this purchase order. This certificate will further certify that the parts conform to specifications indicated on the drawings, quality assurance requirements, or other applicable specifications.

QAP 16.) Material, chemical or physical test reports are required with each shipment and must be in Loc's possession when the shipment arrives. Shipments without the required documentation will not be unloaded.

QAP 17.) Supplier shall have a Foreign Object Debris/Foreign Object Damage (FOD) Prevention Program in place to ensure there are no contaminants in supplied items.

QAP 18.) Suppliers of product with shelf-life limitations shall ensure that the product or packaging is permanently marked with the date of expiration and unless otherwise specified a minimum of 50% shelf life shall be remaining upon receipt.

QAP 19.) NDT procedures must be submitted to Loc Performance prior to any production testing. Once approved then production may be started. Any changes to the NDT process will require the supplier to notify Loc Performance and seek approval. Personnel performing nondestructive testing shall be qualified in conformance with the current edition of ASNT SNT-TC-1A. Certification of Level 1 and Level 2 inspectors shall be performed by a Certified Level 3. Inspection requirements shall be taken from individual part number drawings.

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QAP 20.) Heat treating procedures must be submitted to Loc Performance prior to starting production. Once approved then production may be started. Any changes to the heat-treating process will require the supplier to notify Loc Performance and seek approval.

QAP 21.) Non-conventional machining procedures must be submitted to Loc Performance prior to starting production. Once approved then production may be started. Any changes to the non-conventional machining process will require the supplier to notify Loc Performance and seek approval.

QAP 22.) The supplier shall comply will all NDT Personal Qualification Requirements in one of the following applicable documents.

- a.) SNT-TC-1A
- b.) NAS-410

QAP 23.) The supplier shall provide all of the following documentation to Loc Performance for approval prior to beginning production testing. Once approved, any changes to the NDT process will require the supplier to notify Loc Performance and seek preapproval.

- a.) NDT procedures and techniques for inspection with the prescribed NDT method(s).
- b.) Performing Inspector(s) NDT certification(s) for the prescribed NDT method(s).
- c.) NDT Technician's current eye exam record.

QAP 24.) All NDT inspection requirements and acceptance criteria shall be taken from the individual part numbers blueprint, QAP/QAR, or applicable specifications called out in those documents.

QAP 25.) Production Part Approval Process (PPAP) is required to verify conformance to product specifications. Supplier shall utilize standard AIAG formats where applicable. PPAP shall be submitted to Loc Performance for review and approval prior to shipping product. Sample parts may be required for dimensional validation prior to shipping production lot. PPAP submission shall consist of the following documents.

- a. Part Submission Warrant (PSW).
- b. Dimensional Inspection Results.
- c. Material & Special Process Certifications.
- d. Special Testing Results and Certification (if applicable).

QAP 26.) Production Part Approval Process (PPAP) is required to verify conformance to product specifications. Supplier shall utilize standard AIAG formats where applicable. PPAP shall be submitted to Loc Performance for review and approval prior to shipping product. Sample parts may be required for dimensional validation prior to shipping production lot. PPAP submission shall consist of the following documents.

- a. Design Record (if applicable)
- b. Engineering Change Documents (if applicable)
- c. Control Plan
- d. Dimensional Results
- e. Material Conformation
- f. DVP&R Material Test Results (if applicable)
- g. Initial Process Studies



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- h. Appearance Approval Report
- i. Master Sample
- j. Records of Compliance
- k. Part Submission Warrant (PSW)
- l. Certificate of Conformance

QAP 27.) Tempering temperature records need to be provided for all ballistic and armored steel material.

QAP 28.) Supplier shall follow the requirements of GE Aviation spec S-1000 (verify correct revision level of spec with Loc Purchasing).

QAP 29.) For sheet metal parts and fabricated assemblies, the supplier must process in accordance with GE Aviation spec P1TF10 (verify correct revision level of spec with Loc Purchasing).

QAP 30.) For parts that have machined to size features, the supplier must process in accordance with GE Aviation spec P1TF101 (verify correct revision level of spec with Loc Purchasing).

QAP 31.) The supplier shall interpret drawings in accordance with GE Aviation spec P1TF108 (verify correct revision level of spec with Loc Purchasing).

QAP 33.) If part identification is required, the supplier must process per GE Aviation spec P23TF3 (verify correct revision level of spec with Loc Purchasing).

QAP 34.) Once approved the process used to manufacture products shall be frozen with no changes allowed without Loc Performances permission.

QAP 35.) Material that is supplier from Loc Performance must only be used in manufacturing products. No material substitutions are allowed.

QAP 36.) Excess Loc Performance owned material left over from cutting process (material drops) must be returned with production parts. Suppliers are not allowed to scrap or use Loc owned material without prior written approval.

QAP 37.) Production Part Approval Process (PPAP) is required to verify conformance to product specifications. Supplier shall utilize standard AIAG formats where applicable. PPAP shall be submitted to Loc Performance for review and approval prior to shipping product. Sample parts may be required for dimensional validation prior to shipping production lot. PPAP submission shall consist of the following documents.

- a. Design Record
- b. Process Flow Diagrams
- c. PFMEA
- d. Control Plan
- e. Measurement System Analysis
- f. Dimensional Results
- g. Material, Performance Test Results
- h. Qualified Laboratory Documentation
- i. Part Submission Warrant

QAP 38.) Prior to production cutting of Loc Performance owned material nesting plans must be submitted for approval. No cutting of Loc Performance owned material shall be performed without written approval.

QAP 39.) Material traceability requirements.



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- a. All parts that can be palletized and/or packaged by heat/lot must have each individual bin, comprised of 1 unique heat/lot per bin only, marked with heat/lot raw material information for that bin. This shall apply to so-called "smaller" parts.
- b. 2) All parts that cannot be palletized and/or packaged by heat/lot must have each part individually marked with heat/lot raw material information with either paint marker or tag or similar. This shall apply to so-called "larger" parts. Permanent marking (such as steel stamping) shall not be allowed unless otherwise allowed or directed by the TDP/PO information provided by Loc.

QAP 40.) Any drops resulting from cutting Loc Performance owned material are required to be returned with the production parts. Written approval from Loc Performance is required prior to scrapping any consigned material.