
VACCO Quality Flow-Down Instruction

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Distribution: Complete document distributed to all VACCO employees via IQS.

DOCUMENT CHANGE RECORD

Administrative Change Request

Changes to this document may require changes to the WDS system.

Changes to this document may require changes to the VACCO's internal routing process. The responsible party shall notify the appropriate personnel to ensure all changes will be compatible with the routing process.

When this document is updated, the updated document shall be posted on the VACCO webpage in the "Supplier" section

Extensive changes to this document shall be communicated on the VACCO webpage in the "Supplier" section – "Supplier Instructions".

Rev	Date	Responsibility	Description of Change
Initial Release	8/27/2013	John Harmon	Initial Release
1.0	11/12/2013	John Harmon	See IQS History
1.1	12/11/2013	John Harmon	See IQS History
1.2	3/05/2014	John Harmon	See IQS History
1.3	8/25/2014	Birgitta Stocking	Section 6.23B
2.0	3/17/15	Birgitta Stocking	See IQS History 0001168
2.1	3/31/15	Birgitta Stocking	See IQS History 0001175
3.0	6/17/15	Birgitta Stocking	See IQS History 1200
4.0	10/30/2015	Birgitta Stocking	See IQS History CR 0001242
5.0	02/23/2016	Birgitta Stocking	See IQS History CR 0001278
6.0	05/16/2016	Birgitta Stocking	See IQS History CR

VACCO Quality Flow-Down Requirements

1. PURPOSE

To document and control contractual and internal quality requirements required to be flowed down to suppliers.

2. SCOPE

This instruction is applicable to those internal clauses related to the quality requirements that are published on purchase requisitions, purchase orders and on the Internet for supplier and subcontractor access. Additional Quality flows down notes are identified in documents identified as VI-QFD-XXX.

3. REFERENCES

- VI-PQD-001 – Control of Suppliers for Fluid Flow Requirements
- VI-MRB-100 – Material Review Instructions
- VI-QFD-002 – Supplier Counterfeit Control Requirements
- VI-QFD-003 – Supplier False and Fraudulent Requirements
- Supplier Instructions – Located on the VACCO Web site

4. ACRONYMS

- a) **ASL** – Approved Suppliers List (Reference VI-PQD-001)
- b) **COTS** – Commercial Off The Shelf
- c) **CAR** – Corrective Action Request (Reference VI-MRB-100)
- d) **PAR** – Preventative Action Request (Reference VI-MRB-100)
- e) **OEM** – Original Equipment Manufacturer
- f) **FAI** – First Article Inspection
- g) **FAIR** – First Article Inspection Report
- h) **NADCAP** – National Aerospace And Defense Accreditation Program
- i) **NDT/NDE** – Non-Destructive Test/Evaluation
- j) **QPL** – Qualified Products List

5. PROCESS

Quality clause flow downs shall be commensurate with customer requirements. Technical risk shall be considered when selecting Quality Clauses with the goal of mitigating and/or eliminating risk. It is the responsibility of the individual performing Quality Clause flow down review to perform an adequate contract review. They shall understand all applicable program requirements and technical risks to ensure that the appropriate clauses are flowed down to the sub-tier level. Templates are provided in VI-QFD-001 Section 11. Templates should be reviewed and tailored as necessary to meet specific contract requirements.

- a) Each clause will be listed on the purchase order in the following format: QFD- paragraph

number and title; QFD-002 and title; or QFD3- paragraph number and title, for example paragraph 6.25 Supplier Quality Control System Requirements would be listed as, "QFD-6.25 Supplier Quality Control System Requirements".

- b) QFD-6.23B – Purchase Orders placed after the release date of Revision 2.0 of this document, shall identify this requirement per VI-QFD-003 6.1 or 6.2 based on program requirements. These clauses are identified on the Purchase Order as "QFD3-6.1 and title", or "QFD3-6.2 and title".

6. GENERAL QUALITY CLAUSES

All certifications, documents and/or reports provided by the supplier shall be legible and reproducible. Corrections to official records (such as certifications, test reports etc.) shall be in accordance with "Corrections to Supplier Documents" located on the VACCO website, Supplier Instructions.

All records shall be retained for 7 (seven) years unless otherwise stated on the VACCO Purchase Order or documentation.

Order of Precedence:

If there is a contradiction between documents of information the following is the Order of Precedence:

- Purchase Order
 - Notes
 - Specifications identified on the Purchase Orders
 - Quality Flow Down Notes identified as QFD's (VI-QFD-XXX or VI-SLS-100)
 - Purchase Order Flow Downs
- Drawings – identified on the purchase order
- Documents and specifications referenced in the drawings

6.1. SPECIFICATION EFFECTIVITY (Choose A or B)

- A. **Current Revision of Defined Specification** – VACCO may intentionally flow down superseded revisions to specifications and standards to meet customer requirements; if a supplier questions the revision of a standard they may contact the buyer who will direct them to the Project Q.E. for further clarification. If the Purchase Order does not provide direction the following shall apply:

For Raw Material and C.O.T.S specifications – Suppliers shall certify work to standards and revisions directed in the purchase order. When no specific revision is called out in the purchase order and unless otherwise directed in writing, the current revision is preferred but not required.

For Process specifications – Suppliers shall certify work to standards and revisions directed in the purchase order. When no specific revision is called out in the purchase order the current revision is required, if a supplier questions the revision of a standard they may contact the buyer who will direct them to the Project Q.E. for further clarification.

- B. **Approved Materials & Process Substitution List (VI-AMPSL-1900)** – Suppliers shall use the specification directed in the purchase order unless this specification is not the current industry standard. The supplier shall then review the current revision of VI-AMPSL-1900 on the VACCO website. The supplier shall certify work and/or

material to the current specification identified on the AMPSL that has superseded the specification identified on the purchase order/drawing or certify to the specification identified on the purchase order.

6.2. VACCO PROPRIETARY PROCEDURE AND DRAWING REQUIREMENTS

Drawings and procedures furnished with this purchase order are proprietary in nature. VACCO Industries retains the exclusive rights to these documents, and they shall be destroyed or returned upon completion of this purchase order.

6.3. PACKAGING REQUIREMENTS

All items are to be packaged in suitable containers for protection in shipment and storage, and in accordance with applicable specifications. Each container of a multiple container shipment shall be identified to show the number of the container and the total number of containers in the shipment and the number of the container containing the packing slip. All shipments by supplier shall include a packing sheet containing VACCO's purchase order number, quantity, part number/size, description of the items shipped, and appropriate evidence of inspection. Materials from different purchase orders shall be listed on separate packing slips.

For custom machined, externally threaded, ground or machined material/hardware, the external areas shall be protected by plastic webbing and/or plastic protective caps. Items requiring protection from physical and mechanical damage shall be protected by wrapping cushioning, compartmentization, cartonizing or other means to mitigate shock and vibration to prevent damage during handling and shipment, at no time is it acceptable for machined parts or precision parts to be loose or free floating.

6.4. MATERIAL SAFETY DATA SHEETS

Initial shipments from the Supplier shall include material safety data sheets meeting the requirements of 29 CFR 1910.1200 (g) and the latest version of Federal Standard No. 313 in effect on the date of this purchase order for all hazardous materials (FAR 52.223-3). Data shall be submitted for all items included in this purchase order, whether or not the supplier is the actual manufacturer of the items. Repeat shipments shall only include MSDS sheets when there is a new revision to the document or at the request of VACCO.

6.5. SHEET OR STRIP STOCK – METALLIC

- a) Sheet/strip material shall be of chemical milling quality. Surfaces shall be free from scratches, pits, inclusions and mill rolling marks. Additionally, no waviness or curl on the edges of the sheet/strip material will be accepted.
- b) Sheet/strip material shall be flat within 1/2 inch T.I.R. over an 18 inch length, and within 1/4 inch T.I.R. over a 12 inch width for material over .010 inch thickness.
- c) When a coil is to be provided, the maximum individual coil weight shall not exceed 300 pounds and have a minimum core I.D. of 16 inches.
- d) Material provided shall be degreased (28 dry finish) to be acceptable.
- e) Upon cutting an 18 inch long sample of coil, on a flat surface, coil set cannot exceed 1/8 inch on either end for the material under .010 inch thickness.

6.6. TUBING – METALLIC

Supplier shall provide a certification that stipulates the tubing is in fact "seamless" in condition.

6.7. PACKAGING AGE DATED MATERIAL (O-RINGS AND ELASTOMERS)

All synthetic O-rings and elastomers provided to VACCO industries shall be individually packaged. Each package shall have a minimum marking requirement of:

- a) Quantity per bag
- b) VACCO part number and revision
- c) Manufacturer part number
- d) Compound code
- e) Specification number and revision
- f) Cure date in quarters – identifying the quarter and year (1Q14)
- g) Batch code
- h) VACCO purchase order number
- i) Expiration date per MIL-HDBK-695

Components shall not have exceeded 25% of their shelf life (as defined by MIL-HDBK-695) at the time of shipment. This flow down note is applicable to components that have a shelf life.

6.8. RAW MATERIAL WELD REPAIR PROHIBITION (OTHER THAN CASTINGS)

If any weld repair is necessary during the fabrication process, VACCO Industries written approval shall be obtained *prior* to the performance of any such repair. The evidence of approval shall be shipped with the product.

6.9. QUALIFIED PRODUCTS LIST IDENTIFICATION

The items listed on this purchase order that are controlled by the government issued Qualified Products List shall be procured from a qualified source noted within that document and shall conform to the testing and processing requirements of the latest revision of the designated specification.

6.10. QUALIFIED PRODUCTS LIST CERTIFICATION

Supplier of qualified products (government or buyer) shall supply with each shipment, one legible copy of the certification. The certification shall state that the product is a qualified product under the applicable government or buyer specification requirements. If the qualified product is incorporated into a prime item, the certification shall attest to this fact and designate the supplier's name.

6.11. VACCO–SUPPLIED MATERIAL

Any material provided to the supplier with this purchase order shall be used exclusively for the incorporation into VACCO products. Supplier shall not substitute any material for material provided. All material not used shall be returned to VACCO. Supplier shall maintain accurate records to account for attrition.

6.12. TITANIUM MATERIAL CONTAMINATION

Titanium shall not come into contact with halogenated fluids, such as; trichloroethylene, Freon, hydrochloric acid, anhydrous methyl alcohol and substance containing mercury, cadmium, silver and gold. Any fluorinated and sulfonated lubricants are prohibited for use on titanium hardware. The supplier shall have a written process available for review by VACCO Quality upon request.

Upon commencement of the machining process, handling shall be performed with glove-protected hands as bare skin contact is prohibited. Tools which are used on titanium, such as grinding wheels, shall be controlled in such a way that they do not come into contact with other alloys. During grinding operations no sparking is allowed. The supplier shall flow down this requirement to any sub-tier suppliers that are responsible for operations that occur after the machining process.

6.13. FIRST ARTICLE INSPECTION REPORT (FAIR) per AS9102

Suppliers fabricating parts for VACCO shall submit a completed FAIR in compliance with AS9102. **FAIR's are required only if the following has occurred:**

- The supplier is fabricating/manufacturing the parts/assembly for the first time.
- If there is a Revision change to the drawing since the last FAIR was submitted. In this case the supplier can submit a delta FAIR.
- If the supplier made significant process changes that affect the form, fit or function.
- If two years have lapsed since the last time the supplier has fabricated/manufactured the parts/assembly.

This report shall include all the actual values of all drawings and other contractual requirements, including compliance to all drawing notes. The Supplier shall document physical and functional processes to verify that prescribed production methods have produced an acceptable item as specified by drawings, planning, purchase order, engineering specifications and/or applicable design documents. This shall be documented as the Manufacturing Process Reference (Box 9).

Suppliers are not required to submit a copy of the FAIR if a new FAIR is not required per AS9102. Suppliers shall maintain the FAIR reports for a minimum of seven (7) years unless otherwise stated in the contract and shall be made available to VACCO upon request.

6.14. AGE SENSITIVE MATERIAL

The supplier is required to submit with each shipment a certificate attesting conformance of elastomeric/organic materials/parts listed on/or used in the performance of the purchase order. Age sensitive materials shall be identified and packaged in accordance with the applicable procurement specification. Other age sensitive materials such as adhesives, sealants, coating materials, and potting compounds, etc.; shall, at a minimum, be identified on each container or certification for material used in processes along with the following:

- a) manufacturer's name
- b) batch number
- c) storage temperature
- d) compound/spec number
- e) date of manufacture
- f) manufacturer's recommended expiration date (if applicable)
- g) shelf life, cure date, retest date (if applicable)
- h) compound number, etc. so as to indicate useful life of the material (if applicable)

Any applicable special storage requirements shall be defined. Material that has an expiration date shall have no less than eighty percent (80%) of its shelf life remaining at the time of delivery to VACCO unless otherwise stated on the Purchase Order. Exceptions to this requirement shall be submitted to the buyer for approval.

6.15. ITEM LOT/HEAT NUMBER INDIVIDUALITY

Supplier to provide each purchase order line item from one lot/heat. In the event that this is not possible, notify VACCO Industries' purchasing to modify the Purchase Order to identify each lot/heat as a separate line item. Typically, this note is not used for casting, forgings or items that are permanently marked.

6.16. Deleted – See 6.14

6.17. Deleted

6.18. GIDEP ANNOUNCEMENTS

The Supplier shall respond in a timely manner to relevant GIDEP (Government Industry Data Exchange) alerts that are provided by VACCO or another source.

6.19. Deleted

6.20. MANNED SPACE FLIGHT

For use in human space flight; materials, manufacturing, and workmanship of highest quality standards are essential to astronaut safety. If you are able to supply the purchased item with a higher quality than that of the items specified or proposed, you are requested to bring this fact to the immediate attention of the buyer. This clause will be inserted in all subcontracts and purchase orders for such items down to the lowest tier.

6.21. VACCO FURNISHED MATERIAL/TOOLING

Supplier shall ensure that all material furnished by VACCO is free from damage prior to commencing work. Supplier shall notify VACCO of any damage identified upon receipt of the material and/or tooling. Supplier is liable for the total value of material, parts, tooling, etc., when scrapped as a result of damage due to vendor processing or handling. Supplier is not responsible for VACCO controlled parameters, but is responsible for protecting VACCO's investment in raw materials, partially completed items and/or tooling.

6.22. PRELIMINARY PROCEDURE/CERTIFICATION REVIEW (Choose B and/or C)

A. PRE – PRODUCTION - Deleted – For all purchase orders with 6.22A dated prior to 23-Feb-2016 use 6.22B. For purchase orders with 6.22A dated 23-Feb-2016 or later uses 6.22C.

B. PRE – SHIPMENT – Applicable for Raw Material and casting shipments. Quality may impose this requirement based on the complexity of the material, test process or product. All required documentation shall be submitted and approved by VACCO Industries' Quality Assurance Department prior to release for shipment. All certifications and FAIR (if required) shall be submitted and approved prior to shipment of product. Shipments made prior to approval may not be accepted.

C. PROCEDURE– Documentation for procedure approval shall be submitted to VACCO Industries for approval. These procedures include Non-destructive Testing Procedures (Examples include: Radiograph, Ultrasonic (UT) and Magnetic Particle Inspection), Welding Procedures (per Clause 10.10) and/or Sampling Inspection (per Clause 7.6 or 7.7).

Nameplate Proofs are to be submitted and accepted before production. Shipments made

prior to approval may not be accepted. The Supplier assumes the risk for the manufacture of items prior to approval.

6.23. FRAUDULENT STATEMENT REQUIREMENTS (Additional statements in VI-QFD-003)

- A. The federal statement notification requirements are here by passed down to our suppliers. "The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a felony under federal statutes.
- B. **See VI-QFD-003, Section 6.1** – Suppliers that are unable to meet requirements for VI-QFD-003 Section 6.1 or 6.2 on all certifications and test reports shall submit all documentation for review and approval prior to shipment in accordance with clause 6.22B.

6.24. SUPPLIER QUALITY CONTROL SYSTEM REQUIREMENTS

At a minimum, the supplier shall establish and maintain an orderly system that provides for defect detection, identification, segregation and correction. The system shall further comply with one or more of the following specifications as indicated on the purchase order. The latest revision of each specification shall apply.

- | | |
|-----------------|--------------------------------|
| A. MIL-I-45208 | G. MIL-STD-45662 |
| B. ISR-1E | H. ANSI /NCSL Z540.3 or Z540-1 |
| C. MIL-Q-9858 | I. ISO 10012 |
| D. QRC-82 | J. ISO 9001 |
| E. NHB 5300.4 | K. ANSI/ISO/ASQ Q9001 |
| F. MIL-STD-1535 | L. AS9100 |

Calibration of measurement equipment shall be in compliance with either ANSI/NCSL Z540-1 or ANSI/NCSL Z540.3. If work is subcontracted, the applicable requirements of these specifications shall be imposed on the subcontractor. At a minimum, the supplier shall impose compliance to either ANSI/NCSL Z540-1 or ANSI/NCSL Z540.3.

VACCO Industries reserves the right to perform on-site surveys or inspections at the supplier and/or subtier supplier to maintain system and product quality.

6.25. COUNTERFEIT WORK

For the purpose of this clause, work consists of those parts delivered under this contract that are the lowest level of separately identifiable items (e.g., articles components, goods and assemblies). "Counterfeit work" is defined as work that is or contains items misrepresented as having been designed and/or produced under an approved system or other acceptable method. The term also includes approved work that has reached a design life limit or has been damaged beyond possible repair, but is altered and misrepresented as acceptable.

- a) Supplier agrees and shall ensure that Counterfeit Work is not delivered to VACCO Industries.
- b) Supplier shall only purchase products to be delivered or incorporated as work to VACCO Industries directly from the Original Component Manufacturer (OCM)/Original Equipment Manufacturer (OEM), or through an OCM/OEM authorized distributor chain. Original Component Manufacturer, or Original Equipment Manufacturer's sell products or components under their brand name, they are the companies that manufacture the original part. Work shall not be acquired from independent distributors or brokers unless approved in advance in writing by VACCO Industries.

- c) Supplier shall immediately notify VACCO Industries with the pertinent facts if the supplier becomes aware of or suspects that it has furnished counterfeit work. When requested by VACCO Industries, supplier shall provide OCM/OEM documentation that authenticates traceability of the affected items to the applicable OCM/OEM.
- d) Supplier shall consult with the OCM/OEM or authorized distributor / franchise to confirm that the authorized distributor/franchise has been authorized by the OCM/OEM to sell the specific item being procured, prior to issuing a purchase order. If not procuring from the OCM/OEM, the supplier shall provide evidence from the OCM / OEM that the supplier used was indeed authorized by the OCM/OEM. For example, an OCM/OEM list of authorized distributors on OCM/OEM letterhead or website would suffice. If OCM/OEM does not have an authorized list of distributors/franchises, documented evidence shall be provided stating such.

6.26. HANDLING PRECAUTIONS FOR OUTSIDE PROCESSING/TEST

Supplier to exercise extreme care in the handling of parts to ensure no dents, nicks, dings or scratches occur. Suppliers shall perform a visual inspection when receiving hardware from VACCO to ensure no damage has occurred. **Any damage shall be reported to VACCO Industries within 24 hours of the visual inspection.** Protective end caps shall be used on all tube end parts, VACCO Industries shall provide end caps.

6.27. MANUFACTURING AND INSPECTION PLAN

Supplier shall prepare and maintain an inspection test plan or shop traveler which provides records of all performed operations and inspection. At a minimum, routing sheets shall show operational sequence, inspection and test points and other pertinent control media. The documents shall provide traceability to personnel performing operations and inspection, acceptability by inspection, and reference of any associated documents such as rejection reports, processing procedures, inspection procedures, etc.

6.28. GRAIN STRUCTURE TEST PROCEDURE

When determining grain structure for A286 CRES materials made to AMS 5737 and subsequently welded, VI-MPT-1932 Modification of Test Procedure shall be used.

6.29. DEGREASING - CLEANING

Machined parts shall be degreased, cleaned and free of contaminants before shipment to VACCO Industries.

6.30. SPECIAL USE VARIANCE

The Special Use Variance clause shall be used to purchase production materials (including chemicals) and processes from suppliers not on VACCO's Approved Suppliers List (ASL) located in IQS.

For Suppliers not on the VACCO ASL, usage is approved by VACCO Management.

VICE PRESIDENT QUALITY

DATE

DIRECTOR, SUPPLY CHAIN

DATE

6.31. VACCO APPROVED SUPPLIER LIST

If suppliers do not have a sub-tier control system they may use VACCO's approved suppliers list. They may contact their buyer to get a copy of VACCO's current Approved Supplier List located in IQS.

6.32. PROCUREMENT SOURCE PROHIBITION

No material from Western Titanium, Inc. and/or Mach-2 Metals will be accepted by VACCO Industries.

6.33. GOVERNMENT TOOLING IDENTIFICATION

Supplier to attach a tag or permanently mark on tool surface, depending on the size of the tool, the following information per FAR 52.245-1:

1. TOOL NUMBER: _____ REV: _____
2. SYMBOL: _____
3. SERIES: _____
4. DUPLICATE: _____
5. PO NUMBER AND LINE ITEM: _____
6. SALES ORDER NUMBER: _____
7. OWNERSHIP: _____
8. USED-TO-MAKE VACCO P/N (IF APPLICABLE): _____

If there is insufficient space on the tooling surface, mark on VACCO supplied I.D. Tag. Tool shall be placed in a storage container for protection and tag shall be affixed to container. Mark tool with revision when required on the tooling surface and rework tag. Also, if possible, insert picture of purchased tool inside the container.

6.34. CUSTOMER PROCEDURE APPROVAL

Document approvals are required from VACCO's external customer. The supplier should allow 45 days for VACCO's buyer to obtain the approval when quoting the lead time to complete the job. Upon receipt of the purchase order the supplier should perform all processes and purchases that are not affected by the process requiring procedure approval. The Supplier shall submit procedures in accordance with Procedure Clause 6.22C.

6.35 REACH COMPLIANCE (REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS)

For each delivery, the supplier and their subtiers shall provide one of the following:

- A completed "VACCO Reach Declaration Form", Form QF-ENV-001. This form shall be completed based on the "Reach Annex XVII Restriction List", Form QF-ENV-002. This list is specifically tailored for VACCO hardware. Both forms are located on the VACCO website, Quality Clauses for Suppliers.
- A Certification of Reach Compliance or a Reach Compliance statement on their Certification of compliance. Suppliers and/or subtiers with an active Reach Program and have fully implemented the program into their facility may choose this option.

Suppliers shall flow down the requirement above to their subtiers.

Suppliers shall contact VACCO Safety Department for inquiries concerning Reach Compliance. Additional Reach information can be found at the European Chemicals (ECHA) Website: <http://echa.europa.eu/>

6.36 SUPPLIER FMEA

(Applicable for high risk, high dollar and/or extremely complex parts/assemblies)

The supplier is required to provide a FMEA (typically a Process FMEA) that identifies the process steps that have a Risk Priority Number and how the supplier is mitigating the risk. The supplier shall ship a copy of the FMEA with the product.

Prior to commencing the manufacturing of the part or assembly, the supplier may contact the VACCO Supplier Quality Representative to review their approach to meeting this Quality Clause. A sample template is available on the VACCO webpage under the Supplier Instructions section.

7. SUPPLIER INSPECTION REQUIREMENTS

Unless otherwise specified, material supplied and operations performed by the supplier shall be inspected by following (referenced) quantitative and verifiable methods.

7.1. VACCO SOURCE INSPECTION (Choose **A** and/or **B**, plus **C** if source cannot be waived.

VACCO source inspection is required at your facility. Notify VACCO Industries' buyer at least forty-eight (48) hours in advance of the time the items are to be inspected. Inspection documents, specifications, drawings and the purchase order covering the items on this order shall be available for VACCO inspection at your facility.

IN-PROCESS SOURCE INSPECTION: Any dimensions that cannot be verified after processing, such as plating/coating application or final slotting/cutting or precision cleaning operations shall be inspected and accepted by VACCO Source Inspection prior to that process being performed. VACCO will advise the supplier of any additional in-process inspection points for which in-process inspection is required.

A. IN PROCESS INSPECTION REQUIRED: In-Process Source Inspection applies to all source inspection requests (see above), as applicable, this will include items identified above or any additional items defined in the Purchase Order.

B. FINAL SOURCE INSPECTION: Upon completion of Final Source Inspection, the shipping documents or the Certification of Conformance shall be stamped and/or signed by the VACCO source representative prior to shipping.

C. SOURCE REQUIRED: Source on this Purchase Order cannot be waived. It is preferred that suppliers are chosen within a 60 mile radius.

WAIVED SOURCE INSPECTION: The Source Inspection Supervisor or designee shall provide written authorization to the VACCO Industries' buyer, who will then send the authorization to the supplier when source inspection is waived. Supplier shall provide a copy of this authorization with the shipment of the part(s).

7.2. GOVERNMENT SOURCE INSPECTION

Government Source Inspection is required on this order; it may involve in-process and final inspection. Upon receipt of this purchase order, promptly notify the Government Representative who normally services your plant, so that appropriate planning for Government Inspection can be accomplished. If none is currently assigned, contact the nearest Army, Navy, Air Force, or Defense Supply Agency Inspection Office. In the event the representative or office cannot be located, notify VACCO Industries' buyer immediately.

DCMA Review: _____
QAR/EXTBF S4306A _____ Date

7.3. VACCO FIRST ARTICLE SOURCE INSPECTION

VACCO inspection of the first acceptable piece is required at your facility prior to continuing your production run. Notify VACCO industries' buyer at least forty-eight (48) hours in advance of the time the items are to be inspected. Inspection documents, specifications, drawings and the purchase order covering the items on this order shall be available for VACCO inspection at your facility. The FAI item and report shall be presented, together with all completed items, at the time of such inspection.

7.4. VACCO WITNESSING OF FUNCTIONAL AND/OR ACCEPTANCE TESTING AT SUPPLIER'S FACILITY

Supplier's acceptance/functional testing shall be witnessed by a VACCO representative. Notify VACCO Industries' buyer at least forty-eight (48) hours in advance to schedule VACCO witnessing. Test documents, specifications, drawings and the purchase order covering the items on this order shall be available for VACCO witnessing at your facility.

7.5. 100% FINAL INSPECTION BY SUPPLIER

Supplier shall perform 100% component and end item final inspection of all characteristics and items listed on both the purchase order and drawing to assure conformance to the specification requirements. All values and notes shall be recorded as specific dimensions or a range. In cases where attribute verifications are required an accept/reject notation shall be recorded.

Supplier inspection sheets shall be provided to VACCO Industries with the hardware at the time of shipment. The results shall be separate from the FAIR report/results. The Supplier may use the AS9102 Form 3 as a form for the Final Inspection report.

7.6. SAMPLING INSPECTION – See Clause 7.7.

7.7 SAMPLING INSPECTION

Items shall be inspected by the supplier's sampling inspection plan which complies with ANSI/ASQC Z 1.4 (normal, level II, single sampling procedures) and this compliance shall be stated on the supplier certification.

If the supplier elects to perform 100% inspection, then this compliance shall be stated on the supplier certification.

If the supplier prefers to employ an inspection sampling which does not comply with ANSI/ASQC Z 1.4 (normal, level II, single sampling procedures), the supplier shall provide the sampling inspection plan for that part to VACCO's Quality Department for approval prior

to inspection of the product. Proof of approval of the plan for that part shall be provided with the shipment of the product.

8. CERTIFICATION REQUIREMENTS

Certification requirements are objective quality evidence of materials and processes performed. A review shall be performed of specifications, drawings and customer requirements to determine required certifications.

Statements on certifications and test documents shall be positive and unqualified. Statements such as "to the best of our knowledge" or "we believe the information contained herein" are not acceptable. **All reports supplied to VACCO Industries shall be legible and be capable of scanning three (3) times.**

8.1. MANUFACTURER/MILL TEST REPORTS

The Supplier shall furnish copies of the original manufacturer/mill test reports, containing all acceptance test results required by the material specifications.

- a. In addition to quantitative chemical and mechanical properties; the material test reports shall include the **class, form, condition** (heat treated, annealed, forged, cold/hot finished, hot/cold drawn, etc.), **grade, type and finish**, as applicable, for the material supplied.
- b. **The manufacturer/mill test reports** shall contain the following information:
 - Manufacturer/mill's letterhead
 - The signature, name and title of the company representative
 - The mill test report shall certify to the material specification and revision required by the Purchase Order
 - Exceptions to this requirement may be taken for Material that is reprocessed (such as heat treated, cold worked etc.)

Transcription of test report data is prohibited, unless the original manufacturer/ mill test report is attached.

- c. **Distributor Certification** – Raw material purchased from a distributor requires a Certificate of Conformance from each distributor and shall accompany the manufacturer/mill test report. Each certification shall contain the following information:
 - Name and address of the company purchasing the material
 - Name and address of the company the material was purchased from
 - Description of the purchase
 - Printed name, title and signature of the supplier's qualified representative or manager
 - In the case of raw material transferred by distributors, the material specification and revision are not required on the distributor certification
- d. When a supplier document is revised, it shall be identified as a "corrected copy" and all changes shall be identified with an asterisk (*). The revised document shall be re- signed and dated at the time of shipment or submittal of preliminary review of documents (pre-cert review).

- e. For “**Level 1**” Purchase Orders (marked as “Level 1” on the PO) Purchase Orders or Raw Material Purchase Orders the following applies:

Specification DI-MISC-81020 applies when chemical and or mechanical properties are altered from the original mill certification. VACCO is requiring in addition to all tests required by the material specification, tensile test shall be performed when material properties are altered due to heat treatment or cold work.

For Purchase Orders to manufacture parts complete that are not identified with “**Level 1**” on the Purchase Order the following applies: VACCO is requiring that the material specification control the method of verification for mechanical properties and/or chemical properties anytime the material is altered from the original mill certification. These Purchase Orders are typically placed with machine shops.

- f. For Purchase Orders that are specified as “**Level 1**” the supplier shall meet the requirements of one of the following:
- The Raw Material shall be purchased from a Distributor that is trained to Level 1 requirements. Supplier shall have on file training records and proof of effectiveness.
 - The Raw Material shall be purchased from a Distributor that is an approved VACCO Level 1 supplier. The supplier may request a current list from the VACCO buyer.

8.2. CERTIFICATION OF CONFORMANCE - Machine Shop Certifications and/or VACCO Supplied Material

A Certification of Conformance on your company's letterhead shall accompany all shipments to VACCO Industries.

The supplier is required to provide documented certification(s) that the material and/or services supplied against this order meet all applicable drawings, specifications and purchase order requirements. Statements on material certifications shall be positive and unqualified. Disclaimers such as to the best of our knowledge" or we believe the information contained herein is true" are not acceptable.

The Supplier's Certification of Conformances shall contain:

- VACCO's purchase order number and line item
- Printed name of authorized representative, title, date and signature
- Part number, description, revision, name and quantity
- Applicable specification number(s) and revisions for processes certified by this Supplier. Material Specifications and revision required on mill certification only. Process specifications performed at a subtier are required only on the applicable subtier certifications.
- Where applicable material and/or processing specifications and their revisions if the shipment is not accompanied by the test reports (chemical and physical or original mill test reports).

If VACCO supplied the material, the supplier shall reference VACCO's material certification number (as noted on VACCO's shipping documents) on the supplier's certification of conformance.

When a supplier quality document is revised, it shall be identified as a "corrected copy" and all changes shall be identified with an asterisk (*). The revised document shall be re- signed and dated at the time of shipment or submittal of preliminary review of documents (pre-cert review).

8.3. BASIC CERTIFICATION OF CONFORMANCE

Supplier shall include with each shipment a signed certificate of conformance or compliance to the requirements of the VACCO purchase order and references. The certification shall include:

- VACCO purchase order number,
- Part number or catalog number with dash number if applicable, and revision of product supplied (if applicable)
- Quantity
- Supplier lot, work order, sales order, or other number through which all quality records necessary to verify conformance can be traced.

Quality records shall be available for VACCO review upon request.

8.4. Deleted: SPECIAL CERTIFICATIONS

8.5. SPECIAL PROCESS CERTIFICATION - APPROVAL

A certification is required to be submitted to VACCO with the shipment of the product for material subject to "special processes" (such as heat treating, welding, surface treatment, etc.). It shall include identification of the process (by applicable specification number, revision, type, class, etc.), name of subcontractor (if other than supplier), signature and certification level of the person performing the process, and serial numbers of parts processed (if applicable).

8.6. WIRE/CABLE CERTIFICATION

Each type of wire or cable on this order shall include a certification indicating the size, color, class, type and military specification to which the material conforms.

8.7. LOX COMPATIBILITY

A certification attesting to the material's compatibility with liquid or gaseous oxygen per VACCO PS-325 (Impact Test Procedure) and NHB 8060.1 is required.

8.8. INDEPENDENT LABORATORY ANALYSIS

A certification, indicating the quantitative values of ingredients (as required by applicable material specification and/or purchase order requirements), from an independent laboratory, is required.

8.9. MERCURY FREE CERTIFICATION

A mercury free statement shall accompany all shipments to VACCO Industries on this purchase order. The mercury free statement may be made directly on all of the test report/certificate of conformance or may be a separate certification. The statement shall certify that during the manufacturing process, material furnished on the above purchase order did not come in contact with mercury or its compounds or any mercury containing devices with a single boundary of containment.

An exception to this statement is if the certification is for one of the following:

- A sample lot is sent for destructive testing
- A sample lot is sent for testing and that lot is not to be used for production and is packaged separately from the other portion of the lot
- Material is not moved onto the shop floor and is only processed through as inventory
- Material is not moved into that company and the certification is for transfer purposes only

If the supplier chooses to verify the material with a mercury sniffer, then the supplier shall provide a final certification stating a mercury free statement based on the product verification. Then certifications prior to the product verification do not require a mercury free statement.

8.10. DOCUMENTATION CORRECTIONS (Program Specific)

Corrections to documents shall be clearly identified and shall contain the following:

- Explanation of the change (state "added" or identify "removed")
- Date and initial the change
- Resign and date the Certification of Conformance to reflect the date of response and annotation.
- Date and initial the original certification date

The person making any changes, to the documents, shall be the individual who is signing the document. If the person making the change is not authorized to sign the document, but is authorized to make a pen and ink change, they shall also sign with an authorized person.

9. TRACEABILITY AND IDENTIFICATION REQUIREMENTS

Traceability and identification requirements are a verifiable means of tracing materials and parts back to the mill, and or processes from which parts were fabricated. The level of control shall be commensurate with customers' contractual requirements.

9.1. MCS-6 REQUIREMENT (Choose A and amend with B, C, D, E and/or F as applicable per the MCS-6 specification) Suppliers accepting these Purchase Orders shall be identified in VACCO's Quality System as Level 1 and MCS-6 Suppliers.

- A) MCS-6 requirements shall be met as described in this paragraph and paragraphs B) thru E) as applicable unless otherwise noted in the Purchase Order or amended by a VACCO Quality Flow Down text note. If work is subcontracted, this requirement shall be contractually imposed on the subcontractor. Material test specimens or samples as required by the MCS-6 specification shall be retained by the supplier for at least seven (7) years after completion of this purchase order. Material and Product Test Reports requirement is met through VACCO QFD 8.1 and/or 8.2.
- B) Testing for Confirmation of Material Condition (Level A Only) shall be amended to Paragraph (A) and its requirement flowed down in its entirety from MCS-6.
- C) Confirmation of Material Test Reports (Level A and B only) shall be amended to Paragraph (A) and its requirement flowed down in its entirety from MCS-6. The over-check frequency shall meet the additional requirements of Paragraph A of the VACCO Raw Material Overcheck Program, PNM-101-A (PNM-101 Addendum, available on the VACCO website).
- D) Material Traceability (Level A and B Only) shall be amended to Paragraph (A) and its requirement flowed down in its entirety from MCS-6.
- E) Generic Material Identity Testing (Level A, B, and C) shall be amended to Paragraph (A) and its requirement flowed down in its entirety from MCS-6.
- F) Procedural Requirements (Level A, B, and C) shall be amended to Paragraph (A) and its requirement flowed down in its entirety from MCS-6.

MCS-Requirement	A	B	C	D	E	F*
Level C	X				X	X
Level B	X		X	X	X	X
Level A	X	X	X	X	X	X
*Procedural Requirement (F) and certification to MCS-6 is required when all requirements is met for each applicable Level.						

9.2. Deleted (See MCS-6 REQUIREMENT)

9.3. Deleted (See MCS-6 REQUIREMENT)

9.4. "LEVEL 1" TRACEABILITY

Items with this QFD on the purchase order are designated as "Level I" (for crucial Navy shipboard applications). Suppliers accepting these Purchase Orders shall be identified in VACCO's Quality System as Level 1 Suppliers.

Traceability shall be established by heat/lot, the supplier shall ensure that heat/lot segregation is maintained at all times and is not lost, mixed or co-mingled. This requirement for traceability shall be imposed on any subcontractor if work is subcontracted.

The supplier shall have a procedure or process that addresses traceability requirements for Level 1 parts or material.

9.5. RAW MATERIAL TRACEABILITY

Prior to machining, the supplier shall identify each piece of material and each test report to provide traceability to the corresponding heat/lot, casting, forging or batch number. This marking shall be applied with waterproof ink or other permanent process. Marking is not required to be visible after the machining process. The machined part shall remain traceable to the test report based on the traveler.

9.6. Deleted - MIL-STD-130 MARKING REQUIREMENTS

9.7. POSITIVE TRACEABILITY OF PARTS (machined metal parts or assemblies)

Parts traceability is required by cross-referencing all manufacturing and shipping documents with reports and certifications for heat lot or uniquely identified components.

9.8. NASA CERTIFICATION/ TRACEABILITY

Documentation, showing date of manufacture and heat, batch or lot number, shall accompany the material furnished on this order. Each lot shall not be intermixed with subsequent lots of the same piece.

9.9. Deleted

9.10. ADDITIONAL MATERIAL TRACEABILITY REQUIREMENTS

a) Supplier is required to purchase extra raw material to provide a test sample to VACCO

Industries.

- b) One sample per heat lot used to produce parts for VACCO shall be shipped with the first shipment of the parts made in the same heat lot per given contract as a test coupon. This requirement applies to each and every contract number on the VACCO purchase order, which means that if the contract number changes or the material heat lot number changes, a new sample will be required.
- c) It is permissible to make multiple lots of parts, dash numbers, or even different part numbers from the same heat lot of material, as long as the date, heat lot, and PO number of the original submission are referenced on the Certificate of Conformance for subsequent shipments. Records adequate to account for all use of the original heat lot shall be maintained. A copy of the traceability record shall be maintained with unused material and updated as material is issued.
- d) The test sample is to be 8" +/- 0.25" long, by the dimensions of the stock supplied by the mill or distributor to make the parts. For example, if parts are made from 1" diameter rod, then the test sample should be 8" long by 1" in diameter (1" x 8"); if the parts are made from 1" x 1.5" x 48" pieces cut by the mill or distributor from 1" thick, 8" wide, and 84" long hand-forged bars, the sample dimensions should be 1" x 1.5" x 8".
- e) The samples shall be marked by legible metal impression stamp to include the original heat number and VACCO part and purchase order numbers, and be traceable through all production and conversion steps to the original heat number.
- f) The original heat number is defined as the original cast slab, billet, or ingot number from the original melter.
- g) Intermediate production and conversion steps include conversion to re-forging, rolling, drawing, or other intermediate stock, extrusion, conditioning, pickling, testing and inspections, and all other steps necessary to bring the material to the final condition, at which point it is supplied as machining stock. Each converter shall provide documentary proof of conversion of a specific quantity to specification requirements.
- h) Sheet material less than or equal to 0.1875" thick, wire or rod less than or equal to 0.1875" diameter, weld wire and rod, and fasteners made to military or commercial standard are exempt from this requirement.

10. SPECIAL PROCESS REQUIREMENTS

10.1. PENETRANT INSPECTION

Liquid penetrant inspection of hardware on this purchase order is required in accordance with the listed specifications, procedures and acceptance criteria. As a minimum, the supplier shall assure that the following information is included on the certification of inspection.

- a) Part number
- b) Material and heat/lot number
- c) Description/type and/or classification of casting, forging or weldment
- d) Total quantity inspected, quantity accepted and rejected**
- e) Serialization, if delineated
- f) VACCO Industries' purchase order number
- g) Supplier's internal control number
- h) Date of inspection

- i) Procedure, technique sheet # (if applicable*) acceptance criteria and their effective revisions

When required, hardware found to be acceptable by nondestructive examination shall be identified by placing the proper acceptance test/inspection stamp on the physical parts. All hardware found to be unacceptable shall be identified in such a manner which will adequately distinguish the material from the acceptable lot (without physically damaging the parts). In those cases where testing is performed by a subcontractor, a copy of the subcontractor's certification shall accompany any shipment to VACCO Industries.

*Technique sheets are required if parameters are not defined based on the specified process.

**If a sampling process is chosen based on the specification on the drawing or purchase order, the supplier shall send the quantity specified by the purchase order to the testing house (internal or external). The testing house shall select the sample required and certify that the lot quantity is accepted.

10.2. ULTRASONIC INSPECTION

Ultrasonic inspection of hardware on this purchase order is required in accordance with the listed specifications, procedures, scan plans and acceptance criteria. As a minimum, the supplier shall assure that a copy of the corresponding scan plan is provided and that the following information is included on the certification of inspection.

- a) Part number
- b) Material and heat/lot number
- c) Description/type and/or classification of casting, forging or weldment
- d) Total quantity inspected, quantity accepted and rejected
- e) Serialization, if delineated
- f) VACCO industries' purchase order number
- g) Supplier's internal control number
- h) Date of inspection
- i) Procedure, scan plan number, acceptance criteria and their effective revisions

When required hardware found to be acceptable by nondestructive examination shall be identified by placing the proper acceptance test/inspection stamp on the physical parts.

All hardware found to be unacceptable shall be identified in such a manner which will adequately distinguish the material from the acceptable lot (without physically damaging the parts). In those cases where testing is performed by a subcontractor, a copy of the subcontractor's certification shall accompany any shipment to VACCO Industries.

10.3. MAGNETIC PARTICLE INSPECTION

Magnetic particle inspection of hardware on this purchase order is required in accordance with the listed specifications, procedures, technique sheets and acceptance criteria. As a minimum, the supplier shall assure that a copy of the corresponding technique sheets is provided and that the following information is included on the certification of inspection.

- a) Part number
- b) Material and heat/lot number
- c) Description/type and/or classification of casting, forging or weldment
- d) Total quantity inspected, quantity accepted and rejected
- e) Serialization, if delineated
- f) VACCO Industries' purchase order number

- g) Supplier's internal control number
- h) Date of inspection
- i) Procedure, technique sheet number, acceptance criteria and their effective revisions

When required hardware found to be acceptable by nondestructive examination shall be identified by placing the proper acceptance test/inspection stamp on the physical parts.

All hardware found to be unacceptable shall be identified in such a manner which will adequately distinguish the material from the acceptable lot (without physically damaging the parts). In those cases where testing is performed by a subcontractor, a copy of the subcontractor's certification shall accompany any shipment to VACCO Industries.

10.4. RADIOGRAPH INSPECTION

Radiograph inspection (x-ray) of hardware on this purchase order is required in accordance with the listed specifications, procedures, shooting sketches and acceptance criteria. Completed films, technique sheets or shooting sketches and reader sheets shall be provided to VACCO Industries unless otherwise specified. At a minimum, the supplier shall assure that the following information is included on the certification of inspection.

- a) Part number
- b) Material and heat/lot number
- c) Description/type and/or classification of casting, forging or weldment
- d) Total quantity inspected, quantity accepted and rejected
- e) Serialization, if delineated
- f) VACCO Industries' purchase order number
- g) Supplier's internal control number
- h) Date of inspection
- i) Procedure, shooting sketch number, acceptance criteria and their effective revisions

When required hardware found to be acceptable by nondestructive examination shall be identified by placing the proper acceptance test/inspection stamp on the physical parts. All hardware found to be unacceptable shall be identified in such a manner which will adequately distinguish the material from the acceptable lot (without physically damaging the parts). In those cases where N.D.E. is performed by a subcontractor, a copy of the subcontractor's certification shall accompany any shipment to VACCO Industries.

10.5. ACCEPTANCE TEST REPORTS (FLOW, SHOCK, VIBRATION, ETC.)

Supplier shall include with each shipment actual copies of acceptance test results, signed by an authorized agent of the supplier, indicating the actual results of acceptance tests required by the purchase order. Where quantitative limits are established within the procedure or specification, the report shall indicate the actual values obtained. The test reports shall include the control identity (e.g. Heat, lot, serial number) of material/items tested.

10.6. HEAT TREATMENT CERTIFICATION REQUIREMENT

Supplier shall perform heat treatment in accordance with the specifications and revisions listed on this purchase order. Supplier shall supply a certification for the heat treatment.

10.7. HEAT TREAT DOCUMENTATION

In addition to the requirements of 10.6 (Heat Treatment Certification Requirement) above, copies of furnace charts and vacuum charts (if applicable) are required showing temperatures, ramp rates, time at temperature, furnace number, vacuum levels, etc.



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10.8. HARDNESS REQUIREMENTS FOR HEAT TREATMENT PROCESSORS

Supplier shall record hardness readings on the heat treat certifications for items heat treated on this purchase order.

10.9. SOLDERABILITY

Solderability of external leads and terminals: External leads, pin and terminals of all components shall be tested and comply with the solderability requirements specified in IPC/EIA-J-STD-002.

10.10. WELDING PROCEDURE

Supplier shall furnish proposed welding procedures to buyer for approval prior to production. Changes to approved procedures require VACCO Quality re-approval prior to implementation.

10.11. ELECTROSTATIC DISCHARGE (ESD) PROTECTION

Protection from electrostatic discharge (ESD) damage shall be provided to all class I, II or III ESD susceptible devices in accordance with the manufacturer's requirements. The protection level provided by the original manufacturer shall extend through all procurement, handling, storage, packaging and shipping cycles. ESD shall meet the requirements of ANSI/ESD S20.20.

10.12. PRINTED CIRCUIT BOARDS

The supplier shall assure that the materials, manufacture, testing and packaging of printed circuit boards or printed wiring boards supplied to VACCO Industries are in accordance with all the requirements of MIL-PRF-31032, latest revision, printed circuit board/printed wiring board general and detailed specification, including solderability. Conformance test data shall be provided for each lot shipped to VACCO Industries.

10.13. CUSTOMER APPROVED SOURCES AND PROCESSES

Customer Approved Sources or Processes are required on this order; suppliers will use sub-tiers or approved processes identified on the P.O. The assigned quality engineer will review and sign off the purchase order prior to release to the supplier.

Q.E. SIGNATURE

DATE

11. QUALITY CLAUSE SELECTION

The specific clauses to be used on a purchase order are identified during contract review. The below clauses are inputted into WDS to be used as a set of templates. During the requisition review process, the QE shall tailor the clauses and add or subtract other applicable clauses and any other contract requirements.

Note: For QFD-6.23 choose one of the following:

- 6.23A
- QFD3-6.1, QFD3-6.2, or 6.23B (same as QFD3-6.1) for Purchase Orders placed prior to the release of this document. Reference VI-QFD-003

11.1. MACHINED PARTS

QFD-8.2	Certificate of Conformance
QFD-8.1	MFG/Mill Test Reports
QFD-6.13	First Article Inspection Report per AS9102
QFD-6.1 X	Specification Effectivity (Optional - A or B if required)
QFD-6.2	VACCO Proprietary Procedure and Drawing Requirements
QFD-6.23A	Fraudulent Statement Notification (Choose 6.23A, QFD3-6.1 or QFD-6.2; if required)
QFD-6.8	Raw Material Weld Repair Prohibition (Other Than Castings)
QFD-7.1X	Source Inspection (B plus C as required)
QFD-7.7	Sampling Inspection
QFD-6.24	Supplier Quality Control System Requirements
QFD-6.32	Procurement Source Prohibition
QFD-6.15	Item Lot/Heat Number Individuality (program dependent)
QFD-8.9	Mercury Free (Navy, Manned Space Flight, Contract Specific)

ADDITIONAL REQUIREMENTS FOR LEVEL I

QFD-9.1	MCS-6 Requirement
QFD-9.4	Level I Traceability
QFD-6.15	Item Lot/Heat Number Individuality

11.2. CASTINGS & FORGINGS

QFD-8.2	Certificate of Conformance
QFD-8.1	MFG/Mill Test Reports
QFD-10.6	Heat Treatment Certification Requirements
QFD-6.1	Specification Effectivity (Based on Contract)
QFD-6.2	VACCO Proprietary Procedure and Drawing Requirements
QFD-6.23A	Fraudulent Statement Notification (Choose 6.23A, QFD3-6.1 or QFD-6.2)
QFD-6.3	Packaging Requirements
QFD-6.24	Supplier Quality Control Systems
QFD-9.7	Positive Traceability of Parts
QFD-6.21	VACCO Furnished Material Tooling (if applicable)

ADDITIONAL REQUIREMENTS FOR NON-SERIALIZED PARTS

QFD 6.15	Item Lot/Heat Number Individuality
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11.3. OUTSIDE PROCESSING

a) OUTSIDE TESTING

NOTE: Conduct testing PER _____, REV _____, PARA _____

- QFD-10.5 Acceptance Test Reports
- QFD-8.2 Certificate of Conformance
- QFD-6.23A Fraudulent Statement Notification (Choose 6.23A, QFD3-6.1 or QFD-6.2; if customer contract requires)
- QFD-8.9 Mercury Free – Non Destructive Testing only (Navy, Manned Space Flight, Contract Specific)

b) OUTSIDE PROCESSING NDT

NOTE: Inspection to be conducted IAW _____, REV _____

- QFD-8.2 Certificate of Conformance
- QFD-6.18 GIDEP Announcements
- QFD-6.23A Fraudulent Statement Notification (Choose 6.23A, QFD3-6.1 or QFD-6.2; if customer contract requires))
- QFD-10.1 – 10.4 As Applicable
- QFD-8.9 Mercury Free – Non Destructive Testing only (Navy, Manned Space Flight, Contract Specific)

c) OUTSIDE PROCESSING WELDING

NOTE: Welding to be conducted IAW _____, REV _____

- QFD-8.2 Certificate of Conformance
- QFD-6.18 GIDEP Announcements
- QFD-6.23A Fraudulent Statement Notification (Choose 6.23A, QFD3-6.1 or QFD-6.2 if customer contract requires)
- QFD-8.9 Mercury Free – Non Destructive Testing only (Navy, Manned Space Flight, Contract Specific)

d) OUTSIDE PROCESSING PLATING

NOTE: Plating to be conducted IAW _____, REV _____

- QFD-8.2 Certificate of Conformance
- QFD-6.18 GIDEP Announcements
- QFD-6.23A Fraudulent Statement Notification (Choose 6.23A, QFD3-6.1 or QFD-6.2 if customer contract requires)
- QFD-8.9 Mercury Free – Non Destructive Testing only (Navy, Manned Space Flight, Contract Specific)

11.4. C.O.T.S. PARTS

- QFD-8.3 Basic Certificate of Conformance
- QFD-6.25 Counterfeit Work
- QFD-6.1 Specification Effectivity (Based on Contract)
- QFD-6.23A Fraudulent Statement Notification (Optional)



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QFD-6.3 Packaging Requirements
QFD-6.18 GIDEP Announcements

11.5. RAW MATERIALS

QFD-8.1 Manufacturer Mill Test Reports
QFD-8.2 Certificate of Conformance
QFD-6.23A Fraudulent Statement Notification (Choose 6.23A, QFD3-6.1 or QFD-6.2 if customer contract requires)
QFD-6.32 Procurement Source Prohibition
QFD-6.15 Item Lot/Heat Number Individuality
QFD-8.9 Mercury Free – Non Destructive Testing only (Navy, Manned Space Flight, Contract Specific)