

PO Clause UB **Rev 01/15/08**
CONFORMANCE
CERTIFICATION

The Seller shall provide certification with each shipment that all quality, conformance, and other applicable requirements have been met in accordance with the specifications stated in the item description/part number appearing on this purchase order. The certification shall be signed (or duly authenticated via approved alternate means) by a corporate officer or other designated responsible individual.

The following information is required in the conformance certification:

Purchase Order Number (**Garrett Container Systems, Inc.'s** P.O. Number)

Purchase Part Number (as shown on the P.O.)

Drawing revision when included on P.O.

S.T.A.M.P. (Supply-Chain Technologies for Affordable Manufacturing Products) package number and revision when included on P.O.

S.I.S. (Supplier Instruction Sheet) number and revision when included on P.O.

Manufacturer's Part number, if different from above

Manufacturer Name (not Distributor name)

Authorized Signature per the above

PO Clause AO **Rev 5/20/08**
SUPPLIER'S INSPECTION
SYSTEM
REQUIREMENTS

1. SCOPE

1.1 Scope. This specification establishes requirements for suppliers' and their sub-contractors' inspection systems. These requirements pertain to the inspections and tests necessary to substantiate product conformance to drawings, specifications, contract requirements, inspections and tests required by the purchase order. These requirements are in addition to inspections and tests set forth in applicable

specifications and other contractual documents. (ie- Statements of Work, Drawings, Buyer/Seller approved Test Procedures)

1.2 Applicability

1.2.1 Applicability. This specification shall apply to all suppliers, their sub-contactors or services when referenced in the item specification or purchase order.

1.2.2 Relation to Other Purchase Order. The inspection system requirements set forth in this specification shall be satisfied in addition to all detail requirements contained in the statement of work or in other parts of the contract. The Supplier is responsible for compliance with all provisions of the contract and for furnishing specified artifacts, which meet all requirements of the contract. Any inconsistency(s) between the contract schedule or its general provisions and this specification, the contract schedule and the general provisions shall control.

2. APPLICABLE DOCUMENTS

2.1 The following documents of the issue in effect on date of invitations for bids form a part of this specification to the extent specified herein.

**INTERNATIONAL
ORGANIZATION FOR
STANDARDIZATION**
INTERNATIONAL STANDARD,
**ISO 10012:2003 Measurement
Management Systems -
Requirements for
Measurement Processes and
Measuring Equipment**

2.2 Amendments and Revisions. Whenever this specification is amended or revised subsequent to its contractually effective date, the Supplier may follow or authorize sub-contractors to follow the amended or revised document provided no increase in price or fee is required. The sub-contractor shall not be required to follow the amended or revised document except as a change in contract. If the sub-contractor elects to follow the amended or revised document, the **Garrett Container Systems, Inc.** Buyer shall be notified in writing of this election. When the Supplier elects to follow the

provisions of an amendment or revision, all amendments or revisions must be followed in full.

2.3 Ordering **Garrett Container Systems, Inc. Documents.**

Copies of specifications, standards and drawings required by suppliers and sub-contractors in connection with specific procurements may be obtained from the **Garrett Container Systems, Inc.** Buyer.

3. RIGHT OF ACCESS

3.1 Access. The Supplier shall provide **Garrett Container Systems, Inc.**, our customers and regulatory authorities access to all facilities involved in this purchase order and to all applicable artifacts.

4. REQUIREMENT

4.1 Contractor Responsibilities. The Supplier shall provide and maintain an inspection system which will assure that all supplies and services submitted to

Garrett Container Systems, Inc. for acceptance conform to the purchase order requirements whether manufactured, processed, or procured from sub-contractors or sub tier suppliers, unless the **Garrett Container Systems, Inc.** buyer is notified about the condition of a nonconformity and the buyer provides authorization to proceed with shipment/presentation of the nonconforming supplies/services to **Garrett Container Systems, Inc.**. The Supplier's inspection system shall be documented and evidence to indicate approval by suppliers senior management is required.

4.2 Supplier Procurement Documents. Supplier's procurement documents shall describe technical, inspection and other methods to flow down requirements necessary to assure the Supplier's procured items conform to **Garrett Container Systems, Inc.** technical and purchase order requirements.

4.3 Receiving Inspection. Purchased supplies shall be subjected to inspection after receipt, as necessary, to assure conformance to purchase order requirements. The Supplier shall report to the **Garrett Container Systems, Inc.** buyer any nonconformance found on supplies and shall require any

sub-contractor or sub tier supplier or provide corrective action(s) or replacements, as necessary.

4.4 Inspection and Testing Documentation. Inspection and testing shall be prescribed with clear, complete and current instructions. The instructions shall assure inspection and test of materials, work in process and completed articles, as required, by the item specification and the purchase order. In addition, criteria for approval and rejection of product shall be included.

4.5 Records. The subcontractor shall maintain adequate records of all inspections and tests. The records shall indicate the nature and number of observations made, the number and type of deficiencies found, the quantities approved and rejected and the nature of corrective action taken, as appropriate. All applicable records shall be available for review by **Garrett Container Systems, Inc.**

4.6 **Garrett Container Systems, Inc.** Furnished Material. When material is furnished by **Garrett Container Systems, Inc.**, the supplier's procedures shall include, as a minimum:

- a. Examination upon receipt, consistent with practicability, to detect damage in transit
- b. Inspection for completeness and proper type
- c. Periodic inspection and precautions to assure adequate storage conditions and to safeguard against damage from handling and deterioration during storage
- d. Functional testing, either prior to or after installation, or both, as required by the purchase order; to determine satisfactory operation
- e. Identification and protection from improper use or disposition
- f. Verification of quantity.

4.7 Nonconforming Material. The Supplier shall establish and maintain an effective system for controlling all nonconforming material, including procedures for the identification, segregation, presentation and disposition of reworked, scrapped or repaired supplies.

4.8 Root Cause and Corrective Action. The Supplier shall take prompt action to correct

assignable conditions which have resulted or could result in the submission to **Garrett Container Systems, Inc.** of supplies and services which do not conform to a. The quality assurance provisions of the item specification

- b. Inspections and tests required by the purchase order (contract)
- c. Other inspections and tests required to substantiate product conformance

When it is determined that the supplier is responsible for the nonconformance of material, the supplier shall respond to **Garrett Container Systems, Inc.'s** request for a supplier's corrective action plan. Failure to respond within the time frame requested may affect supplier's status as an approved supplier.

4.9 Drawings and Changes. The supplier's or sub-contractor's inspection system shall provide for procedures which will assure that the latest applicable drawings, specifications and instructions required by the purchase order, as well as authorized changes thereto, are used for procurements, fabrication, inspection and testing. The revision in effect at the time the purchase order was placed applies.

4.10 Measuring and Test Equipment. The Supplier shall provide and maintain gages and other measuring and testing devices necessary to assure that supplies conform to the technical requirements. In order to assure continued accuracy, these devices shall be calibrated at established intervals against certified standards considering areas of uncertainty which have known valid relationships to national standards. If production tooling, such as jigs, fixtures, templates and patterns used as a media of inspection, such devices shall also be proved for accuracy at established intervals. Calibration of inspection and test equipment shall be in accordance with ISO 10012:2003.

4.11 Process Controls. Process control procedures shall be an integral part of the inspection system when such inspections are a part of the specification

or the contract. The Supplier shall notify **Garrett Container Systems, Inc.** of changes in product

and/or process definition and where required, obtain **Garrett Container Systems, Inc.'s** approval. Statistical Process Control (SPC) is the preferred method of validating these areas.

4.12 Electrostatic Control Plan (ESD). The Supplier must take necessary precautions to ensure static sensitive items or repair services to static sensitive items are protected from electrostatic discharge events. Additionally, the supplier is required to have an ESD Control Program Plan and artifacts available for review. It is recommended the ESD Control Program Plan follow the guidelines of MIL-HDBK-263, titled "ESD Control Handbook for Protection of Parts, Assemblies and Equipments".

4.13 Indication of Inspection Status. The Supplier shall maintain a positive system for identifying the inspection status of supplies. Identification may be accomplished by means of stamps, tags, routing cards, move tickets, tote box cards or other control devices. Artifacts conveying the control of this process shall be available for review.

4.14 Sampling Inspection. Sampling inspection procedures used by the Supplier to determine quality conformance of supplies shall be described in the Supplier's inspection system and shall comply with industry sampling practices. If supplier's sampling process is internally developed they must demonstrate their ability to comply with industry statistical methods proven over time. If sampling instructions are described in the **Garrett Container Systems, Inc.** purchase order or technical documents within the purchase order, the Supplier shall assure that the purchase order requirements are complied with.

P O Clause B6 Rev 06/23/05
SELLER'S SUPPLIER CONTROL

All Seller procured supplies/services which become a part of the item(s) delivered in accordance with this Purchase

Order shall conform to drawing(s) and specification(s) requirements. Seller's system shall assure: Purchase order flowdown of applicable quality and technical requirements, suppliers' capability to produce items and adequate methods of assuring compliance. Seller's suppliers shall be required to flowdown and verify requirements of supplies/services they subcontract.

P O Clause EN Rev 06/30/05
FIRST ARTICLE
INSPECTION/TEST
REQUIREMENTS

The Seller shall conduct a complete first article inspection and/or test (FAIT) on one part chosen from the first production lot of the initial Purchase Order. The FAIT shall be done on both the **Garrett Container Systems, Inc.** TDP and all Seller's build to print items. The part shall be representative of the production lot. For parts that are the product of a die or mold, the FAIT shall be performed on one piece per cavity. The FAIT does not need to be performed again unless one of the Change Notification events listed below occurs or **Garrett Container Systems, Inc.** Supplier Quality specifically requests a new FAIT because of quality concerns.

Reports:

The FAIT report shall show the actual measured values, the number of observations for each drawing characteristic, and the specified acceptance inspection requirement.

Source Inspected Items:

Seller shall notify the **Garrett Container Systems, Inc.** Engineer a minimum of seven (7) days prior to the performance of FAIT. The FE or designate reserves the right to witness FAIT(s) related to the manufacture of these parts. FAIT report shall be presented to the FE or designate prior to shipment.

Note: Drop shipments of parts to machining suppliers prior to acceptance of the first article by **Garrett Container Systems, Inc.** representative is prohibited.

Change Notification:

The Seller is required to notify the Buyer of any change of sufficient significance that a complete FAIT would be required to be conducted on the first production item manufactured after such change. The following definitions will be used by the Buyer in evaluating the type and significance of the capability change.

Change to Facility/Processing Equipment:

A facility change is a change in or to tools, test equipment, measuring or aligning fixtures, processing tanks, equipment, machinery, machine set ups, or other plant manufacturing equipment, etc., used to manufacture, process, assemble, inspect and/or test the item.

Change to Procedures:

A change in or to the methods, procedures, materials, planning and/or sequencing used in or applicable to the manufacturing, processing, assembly, inspection and/or test of an item.

Change in Location:

A change in location of the site where some or all of the work on items is being performed. It may be as little as moving an assembly line, and it may or may not involve a change in facilities, procedures, personnel and/or processing sources.

Change in Source or Processing:

Such changes may be from an outside processing source to within the Seller's facility, from within the Seller's to an outside processing source, from one outside processing source to another, or from **Garrett Container Systems, Inc.** furnished material to Seller procured material.

Interruption of Production:

A complete FAIT will be required prior to shipment of hardware if one year or more has elapsed since the last production item was produced. The verification or acceptance:

The verification or acceptance of FAIT shall not constitute acceptance of subsequent items or relieve the Seller of any obligation to perform in strict

compliance with all provisions of this Purchase Order.

Reworked items:

This quality requirement does not apply to those items returned to Seller for rework of nonconformances.

P O Clause FW Rev 04/10/08
PREFERENCE FOR DOMESTIC
SPECIALTY METALS

This purchase order incorporates Garrett Container Systems, Inc. General Terms and Conditions of Purchase, which impose requirements with which you must comply when filling this purchase order. Also, this purchase order incorporates either the contract clause at:

DFARS 252.225-7014 Alt. I; or
DFARS 252.225-7014 Alt.I (Deviation); or
DFARS 252.225-7014 (Deviation No. 2006-O0004); or
DFARS 252.225-7014 Alt.I (Deviation No. 2006-O0004); or
DFARS 252.225-7014 (Deviation No. 2007-O0011); or
DFARS 252.225-7014 Alt.I (Deviation No. 2007-O0011); or
DFARS 252.225-7014 (Deviation No. 2008-O0002); or
DFARS 252.225-7014 Alt.I (Deviation No. 2008-O0002); whichever is applicable. You must flow down the applicable clause above, to all of your vendors that supply any articles delivered under this purchase order that include specialty metals. All such clauses provide the same definition of specialty metals and prohibit **Garrett Container Systems, Inc.**

and all of its suppliers at every tier from incorporating specialty metals into military parts, components and/or end item deliverables unless the specialty metals have been smelted (the Deviation clauses add "or produced") in the United States, its outlying areas, or a qualifying country listed in DFARS 225.872-1.

Exemptions to requirements of the above clauses may exist, as outlined in the clauses themselves or by operation of applicable Department of Defense Domestic Non-Availability Determinations (DNADs) posted on its public web site for that purpose. If you believe an exemption(s) apply, please specify the specifics and provide **Garrett Container**

Systems, Inc. with documents and information sufficient to demonstrate your entitlement thereto.

P O Clause G2 Rev 6/30/05
REQUIREMENTS FOR SELLER
SUBMITTING INSPECTION
AND/OR TEST DATA
DOCUMENTATION

1. Seller shall provide objective, written evidence of hardware conformance to Purchase Order requirements with each shipment.

A. Recorded data shall include not only results of all routine inspections and tests, but in addition, any special selection tests, conditioning (burn-in) tests, lot acceptance tests, sampling tests or any other test used to determine conformance.

B. If Seller is a jobber or distributor of the item(s) in this Purchase Order, then Seller shall require the same performance documentation from the original manufacturer of the item(s). Additionally, Seller shall secure from that manufacturer a right for Buyer to acquire or inspect (at Buyer's option) all pertinent data in that manufacturer's possession showing the items compliance to all specifications.

C. The exact format of the submitted data is not critical, but shall contain the following minimum information:

1. Seller's name and address.
2. Purchase Order number between Seller and Seller's subtier supplier(s), and P.O. revision number, if applicable.
3. Buyer's part number and Buyer's Purchase Order number (and P.O. revision number, if applicable).
4. Drawing/specification/supplier planning revision level.
5. Number of items in lot.
6. Number of items inspected.
7. Acceptable quality level (AQL) used.
8. Lot number and date code (if applicable).

D. The Seller shall submit either attributes data or variables data, at Seller's discretion, unless variables data is specifically requested by the Buyer. The

Seller's format is acceptable. As a minimum, attributes data shall include the parameter inspected, the tolerance and a summary of the inspection test results.

Variables data shall include, at a minimum, the parameter inspected, the tolerance, and the measurement obtained for each item inspected.

E. Data sheets and/or test reports shall bear evidence of acceptance by Seller's signature (or stamp) and date signed.

2. The submission of inspection and/or test data as provided herein shall not modify or limit any representations, warranties or commitments made elsewhere or in any way affect the obligation of the Seller to perform strictly in accordance with the provisions of this Purchase Order.

P O Clause G3 Rev 10/02/07
INSPECTION AND/OR TEST
DATA DOCUMENTATION
REQUIREMENTS FOR SELLER
RETAINED DATA FOR 5
YEARS

1. The Supplier shall retain objective written evidence of hardware conformance to Purchase Order requirements for each shipment.

Note: All evidence is subject to review and/or audit by **Garrett Container Systems, Inc.** at Seller's facility or at **Garrett Container Systems, Inc.**

A. The following shall be retained for the period stated below if it is generated during the build of the part(s):

1. Any special selection test records
2. Conditioning (burn-in) test records
3. Lot acceptance test (LAT) records
4. Sampling test records or any other test records used to determine item conformance.

5. Reports/certifications of chemical and/or physical analysis/test records that assure conformance to applicable specifications.

Note: When required by the applicable specifications, reports/certifications are to reflect actual test values.

Reports/certifications of chemical and physical analyses/tests are to be fully traceable to the specifications, part numbers, the **Garrett Container Systems, Inc.**

Purchase Order and the specific shipment.

B. If a Quality Attachment requiring any of the following is attached to the Purchase Order, the data collected from the activity shall also be retained:

1. First Article Inspections/Tests (FAITs)
2. Nondestructive tests
3. SPC data (if applicable)
4. Any data collected for a Hardware Acceptance Review.

C. If the Seller is a jobber or distributor of the item(s) in this Purchase Order, the Seller shall require the same documentation from the original manufacturer of the item(s). Additionally, Seller shall secure from that manufacturer a right for Buyer to acquire or inspect (at Buyer's option) all pertinent data in that manufacturer's possession showing the items compliance to specifications.

D. The Seller may obtain attributes data or variables data at Seller's discretion unless the variables data is specifically requested by the Buyer. The Seller's format is acceptable. As a minimum, attributes data shall include the parameter inspected, the tolerance, and a summary of the inspection test results. The variables data shall include the parameter inspected, the tolerance, and the measurement obtained for each item inspected.

E. Data sheets/test reports shall bear evidence of acceptance by Seller's signature (or stamp) and date signed.

1. The requested data is to be retained by the Seller for a period of five (5) years after the date of the completion of this Purchase Order, unless otherwise specified in this Purchase Order.

2. The requested data shall be made available for review by the **Garrett Container Systems, Inc.**'s Field Engineer (FE) or designate when requested.

3. The retention of inspection/test data, as provided herein, shall not modify or limit any

representations, warranties, or commitments made elsewhere herein, or in any way affect the obligation of the Seller to perform strictly in accordance with the provisions of the Purchase Order.

P O Clause G6 Rev 10/02/07
INSPECTION AND/OR TEST
DATA DOCUMENTATION
REQUIREMENTS FOR SELLER
RETAINED DATA FOR 20
YEARS

1. The Supplier shall retain objective written evidence of hardware conformance to Purchase Order requirements for each shipment. Note: All evidence is subject to review and/or audit by **Garrett Container Systems, Inc.** at Seller's facility or at **Garrett Container Systems, Inc.**. A. The following shall be retained for the period stated below if it is generated during the build of the part(s): 1. Any special selection test records 2. Conditioning (burn-in) test records 3. Lot acceptance test (LAT) records 4. Sampling test records or any other test records used to determine item conformance. 5. Reports/certifications of chemical and/or physical analysis/test records that assure conformance to applicable specifications. Note: When required by the applicable specifications, reports/certifications are to reflect actual test values. Reports/certifications of chemical and physical analyses/tests are to be fully traceable to the specifications, part numbers, the **Garrett Container Systems, Inc.** Purchase Order and the specific shipment. B. If a Quality Attachment requiring any of the following is attached to the Purchase Order, the data collected from the activity shall also be retained: 1. First Article Inspections/Tests (FAITs) 2. Nondestructive tests 3. SPC data (if applicable) 4. Any data collected for a Hardware Acceptance Review. C. If the Seller is a jobber or distributor of the item(s) in this Purchase Order, the Seller shall require the same documentation from the original manufacturer of the item(s). Additionally, Seller shall secure from that manufacturer a right for Buyer to acquire or inspect (at Buyer's option) all pertinent data in that

manufacturer's possession showing the items compliance to specifications. D. The Seller may obtain attributes data or variables data at Seller's discretion unless the variables data is specifically requested by the Buyer. The Seller's format is acceptable. As a minimum, attributes data shall include the parameter inspected, the tolerance, and a summary of the inspection test results. The variables data shall include the parameter inspected, the tolerance, and the measurement obtained for each item inspected. E. Data sheets/test reports shall bear evidence of acceptance by Seller's signature (or stamp) and date signed. 1. The requested data is to be retained by the Seller for a period of twenty (20) years after the date of the completion of this Purchase Order, unless otherwise specified in this Purchase Order. 2. The requested data shall be made available for review by the **Garrett Container Systems, Inc.** Engineer or designate when requested. 3. The retention of inspection/test data, as provided herein, shall not modify or limit any representations, warranties, or commitments made elsewhere herein, or in any way affect the obligation of the Seller to perform strictly in accordance with the provisions of the Purchase Order.

P O Clause GZ Rev 06/23/05
RETURNED MATERIAL
FAILURE ANALYSIS REPORTS

Items procured under this Purchase Order which subsequently cause or contribute to a higher or next assembly test failure(s) shall be returned for failure confirmation and/or required rework.

The **supplier** is required to complete a failure analysis within twenty (20) days of receipt of the hardware. Performance of the analysis shall be in accordance with the rework purchase order.

If the failure analysis report completion date exceeds thirty (30) working days, from receipt of the part for analysis, **Garrett Container Systems, Inc.** reserves the right to stop any supplier shipments and withhold payments until these requirements are satisfactorily completed.

The failure analysis report must reference the **Garrett Container Systems, Inc.** Purchase Order number, part and serial numbers (as applicable), cause and corrective action. A copy of the report is to be provided to the **Garrett Container Systems, Inc.** source engineer (as applicable) at final inspection and mailed to the **Garrett Container Systems, Inc.** Buyer/Subcontracts Administrator either prior to or at the time of shipment of reworked hardware.

P O Clause ND Rev 03/16/06
SUPPLIER QUALIFICATION

Seller agrees to maintain strict controls to assure that, after the item(s) successfully pass the qualification, no changes will be made to any design, material, part, process, procedure, tooling or test equipment; nor shall they be altered, redesigned or replaced by any other design, material, part, process, procedure, tooling or test equipment, without prior written approval of the Buyer.

The definition of change does not include the following: editorial or administrative changes such as spelling or typographical errors, clarifications, personnel, maintenance, or equipment changes not affecting the qualified product.

In addition, the items shall not be produced at a facility other than the Seller's original facility which produced the acceptable items, without prior written approval of the Buyer.

Upon receipt of such notice from the Seller, the Buyer shall have the right to direct the Seller to repeat all or part of the qualification at Seller's expense and to obtain from the Seller all data necessary to prove the acceptability of the proposed change.

Notwithstanding the above provisions, Seller agrees that the items to be supplied hereunder will conform to all applicable procurement specifications and drawings, as amended.

P O Clause SA Rev 11/11/05
FOREIGN OBJECT DAMAGE
(FOD) PREVENTION - QUALITY
ASSURANCE

The Seller shall establish and maintain an effective Foreign Object Damage (FOD) Prevention Program to reduce FOD using NAS412 as a guideline.

The Seller's program shall utilize effective FOD prevention practices. The program shall be proportional to the sensitivity of the design of the product(s) to FOD, as well as, to the FOD generating potential of the manufacturing methods.

The written procedures or policies developed by the Seller shall be subject to review and audit by the Buyer and/or government representative, and disapproval when the Seller's procedures or policies do not accomplish their objectives.

P O Clause SB Rev 10/24/07
REQUIREMENTS FOR
SOLDERED/PLATED
ELECTRICAL, ELECTRONIC
ASSEMBLIES/HARNESSES/CA
BLES/COMPONENTS AND
MECHANICAL ITEMS

Electronic, electrical, electromechanical, and mechanical piece parts and assemblies, including the internal fabrication of hardware, delivered to **Garrett Container Systems, Inc.** under the provisions of this Purchase Order shall not have pure tin finishes. Additionally, any tin-lead (SnPb) plating or solder process/processing shall result in a finish of no less than 3% lead composition.

Note: This applies to component leads and terminations, carriers, bodies, cages, brackets, housings, mechanical items, hardware (nuts, screws, and bolts), etc. This does not apply to MIL-SPEC Parts or **Garrett Container Systems, Inc.**

Drawings that allow the use of Tin (Sn) with less than 3% Lead (Pb).

Seller shall provide a Certificate of Conformance (C of C) with each shipment. The C of C shall mean that the Seller or Seller's agent has verified that delivered product meets the above listed composition requirements, or the

material meets at least one of the following provisions:

- a. Seller or Seller's agent has contacted the Original Equipment Manufacturer (OEM) and verified that the specific Mfr / Lot Date Code of delivered product meets the specified minimum lead (Pb) requirement if Tin (Sn) is present in the product.
- b. Seller or Seller's Subcontractor has verified by actual sample testing (X-ray Fluorescence testing is preferred) or other industry acceptable method that a minimum of 3% lead (Pb) is present in any process that uses tin (Sn).

Seller shall be responsible for managing the compliance with this requirement with subcontractors or sub-tier suppliers, and provide evidence of the appropriate flow-down and management of this requirement to the satisfaction of the Buyer or designate.

Unless otherwise specified in this quality attachment, all exceptions must be authorized in writing by the **Garrett Container Systems, Inc. Purchasing Agent**.