

SUPPLIER'S INSPECTION SYSTEM REQUIREMENTS
(Based on MIL-I-45208A, Inspection System Requirements)**1. SCOPE**

1.1 Scope. This document establishes inspection system requirements for Praxis Suppliers and their subcontractors. These requirements pertain to the inspections and tests necessary to substantiate product conformance to drawings, specifications, and contract requirements and to all inspections and tests required by the Purchase Order. These requirements are in addition to those inspections and tests set forth in applicable specifications and other contractual documents.

1.2 Applicability

1.2.1 Applicability. This specification applies to all Suppliers, their subcontractors, 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 document shall be satisfied in addition to all detail requirements contained in the statement of work or in other parts of the contract or Purchase Order. The Supplier is responsible for compliance with all provisions of the contract or Purchase Order and for furnishing specified articles that meet all requirements of the contract or Purchase Order. If there are any inconsistencies between the contract or Purchase Order and this document, the contract or Purchase Order shall control.

2. APPLICABLE DOCUMENTS

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

- ANSI/NCSL Z540, General Requirements for Calibration Laboratories and Measuring and Test Equipment
- ISO 10012:2003, Measurement Management Systems - Requirements for Measurement Processes and Measuring Equipment
- MIL-HDBK-263, Electrostatic Discharge Control Handbook for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices)

2.2 Amendments and Revisions. Whenever this document is amended or revised subsequent to its contractually effective date, the Supplier may follow or authorize his subcontractors to follow the amended or revised document provided no increase in price or fee is required. The Supplier shall not be required to follow the amended or revised document except as a change in contract. If the Supplier elects to follow the amended or revised document, he shall notify the Praxis Buyer in writing of this election. When the Supplier elects to follow the provisions of an amendment or revision, he must follow them in full.

2.3 Praxis Documents. Copies of specifications, standards, and drawings required by Suppliers in connection with specific procurements may be obtained from the Praxis Buyer.

4. REQUIREMENTS

4.1 Supplier Responsibilities. The Supplier shall provide and maintain an inspection system that will ensure that all supplies and services submitted to Praxis for acceptance conform to Purchase Order requirements whether manufactured, processed, or procured from subcontractors or vendors, unless the Praxis 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 Praxis. The Supplier's inspection system shall be documented.

4.2 Supplier Procurement Documents. The Supplier's procurement documents shall describe technical, inspection, and other requirements necessary to ensure that the Supplier's procured items conform to Praxis technical and Purchase Order requirements.

4.3 Receiving Inspection. Purchased supplies shall be subjected to inspection after receipt, as necessary, to ensure conformance to Purchase Order requirements. The Supplier shall report to the Praxis Buyer any nonconformance found on supplies and shall require his supplier to provide corrective action(s), as necessary.

4.4 Inspection and Testing Documentation. Inspection and testing shall be prescribed by clear, complete, and current instructions. The instructions shall ensure 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 Supplier 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 Praxis review.

4.6 Praxis Furnished Material. When material is furnished by Praxis, 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 ensure adequate storage conditions and to safeguard against damage from handling and deterioration during storage;
- d. Functional testing, either before or after installation, or both, as required by the Purchase Order, to determine satisfactory operation;
- e. Identification and protection from improper use or disposition; and
- f. Verification of quantity.

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

4.8 Corrective Action. The Supplier shall take prompt action to correct assignable conditions that have resulted or could result in the submission to Praxis of supplies and services that do not conform to (1) the quality assurance provisions of the item specification, (2) inspections and tests required by the Purchase Order (contract), and (3) 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 Praxis's request for a corrective action plan. Failure to respond within the time frame requested may affect the Supplier's status as an approved supplier.

4.9 Drawings and Changes. The Supplier's inspection system shall provide for procedures that will ensure 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 gauges and other measuring and testing devices necessary to ensure that supplies conform to the technical requirements. These devices shall be calibrated at established intervals against certified standards which have known valid relationships to national standards. Production tooling used as a media of inspection, such as jigs, fixtures, templates, and patterns, shall also be proved for accuracy at established intervals. Calibration of inspection and test equipment shall be in accordance with ANSI/NCSL-Z540-1-1994 or ISO 10012:2003.

4.11 Process Control Procedures. Process control procedures shall be an integral part of the inspection system when such inspections are a part of the specification or the Purchase Order (contract). The Supplier shall notify Praxis of changes in product and/or process definition and, where required, obtain Praxis's approval.

4.12 Electrostatic Discharge Control Plan. The Supplier must take necessary precautions to ensure that static sensitive items are protected from electrostatic discharge. Additionally, the Supplier is required to have an ESD

Control Program Plan available for Praxis review. It is recommended that the ESD Control Program Plan follow the guidelines of MIL-HDBK-263.

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.

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. If sampling instructions are described in the Praxis Purchase Order or technical documents within the Purchase Order, the Supplier shall ensure that the Purchase Order requirements are complied with.