

MIL-I-45607C (AR)  
AUGUST 31 1987  
SUPERSEDING  
MIL-I-45607B (MU)  
22 January 1970

MILITARY SPECIFICATION  
INSPECTION EQUIPMENT, ACQUISITION, MAINTENANCE  
AND DISPOSITION OF

This specification is approved for use within the US Army Armament, Munitions and Chemical Command, and is available for use by all departments and agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification prescribes requirements for acquisition, maintenance and disposition of inspection equipment required for assuring that supplies or services offered for Government acceptance conform to contract requirements.

1.2 Classification. This specification applies to all contracts under which the contractor is required to acquire and maintain inspection equipment which is:

- a. Supplied by the Government
- b. Purchased or manufactured by contractors to contractor design drawings
- c. Purchased or manufactured by contractors to Government design drawings
- d. Purchased by contractors as commercial equipment

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document, should be addressed to: Commander, U.S. Army ARDEC, ATTN: SMCAR-ESC-S, Picatinny Arsenal, New Jersey 07806-5000 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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## 2. APPLICABLE DOCUMENTS

### 2.1 Government documents.

2.1.1 Standards. The following documents of the issue in effect on date of invitation for bids or request for proposal form a part of this specification to the extent specified herein.

#### STANDARDS

##### Military

MIL-STD-109	Quality Assurance Terms & Definitions
MIL-STD-120	Gage Inspection
MIL-STD-129	Marking for Shipment & Storage
MIL-STD-45662	Calibration System Requirements

2.1.2. Other Government documents. Copies of specifications, standards, drawings and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.

2.2. Order of precedence. In the event of a conflict between the text of this specification and the references cited herein, (except for associated detail specifications, specification sheets or MS standards) the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

## 3. REQUIREMENTS

3.1 General. Unless otherwise specified in the contract, it shall be the responsibility of the contractor to:

a. Acquire inspection equipment of the adequacy and accuracy necessary to assure that supplies or services conform to contractual requirements.

b. Maintain inspection equipment to assure continuous availability of serviceable equipment for the duration of the contract.

c. Dispose of all Government furnished or contractor

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Acquired, for the Government account, inspection equipment as required by the contract and this specification.

### 3.2 Acquisition.

3.2.1 Government Furnished Equipment. When Government inspection equipment is available, as specified in the contract, contractors will requisition this equipment from Government stock thru the contracting officer.

### 3.2.2 Contractor Acquired Equipment.

3.2.2.1 Government design drawings. As required by the contract, contractors shall procure or manufacture inspection equipment in accordance with the Government design drawings provided as part of the contractual technical data package.

3.2.2.2 Contractor's design drawings. As required by the contract, contractors shall procure or manufacture inspection equipment to Government approved contractor's design drawings.

3.2.3 Control of Subcontractor Inspection Equipment. The contractor shall be responsible for assuring that sub-contractors acquire, maintain and dispose of inspection equipment in accordance with the contract and this specification.

3.2.4 Receiving and Shipping. All operations involving receipt, shipping to sub-contractors, and final return to Government stock, of Government furnished and contractor acquired inspection equipment, shall be performed by the contractor.

3.3. Maintenance. The contractor shall provide for all required operations, necessary to assure continued availability of adequate and accurate inspection equipment in accordance with the provisions of MIL-STD-120 and MIL-STD-45662 and shall include the following:

3.3.1 Inspection Equipment Identification. The contractor shall apply an identification number to all inspection equipment acquired by him under the terms of the contract and this specification. The composition of the number shall be such as to provide positive identification of particular items and permit ready differentiation between Government furnished, contractor acquired and contractor owned equipment. Inspection equipment acquired by the contractor to Government design shall be marked as required by the Government drawing or contract.

3.3.2 Inspection Equipment Records. The contractor shall prepare and maintain Inspection Equipment Record Cards containing as a minimum the information required by MIL-STD-120. The cards shall be prepared and maintained for all required

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inspection equipment until contract termination. Government designed cards, when provided with Government furnished inspection equipment shall be maintained and returned with the inspection equipment, as required by the contract.

3.3.3 Stock Records. The contractor shall maintain stock records for inventory and control purposes of Government furnished and contractor acquired inspection equipment.

3.3.4 Usage and Handling. The contractor shall perform those actions required to assure that inspection equipment is protected while in storage or in use from atmospheric conditions, or mishandling which would damage or impair adequacy and accuracy of equipment.

3.3.5 Repair and Modification. The contractor shall be responsible for restoration of inspection equipment which does not meet contractual requirements and for modification of inspection equipment affected by product engineering change. Restoration or modification shall be accomplished by economical repair, Government supply, or purchase of a replacement. Each item shall be re-inspected and re-calibrated after repair or modification.

### 3.4 Disposition.

3.4.1 Contract Duration. Government owned inspection equipment which cannot be economically repaired, obsoleted as a result of drawing action, or declared as surplus to contractor requirements, shall be immediately reported to the Government for disposition instructions.

3.4.2 Contract Termination. Upon contract completion, the contractor shall demonstrate to the Government that all inspection equipment has been properly maintained and calibrated in accordance with contract requirements and shall ship the equipment and associated records to the destination required by the contract.

## 4. QUALITY ASSURANCE PROVISIONS.

4.1 Responsibility for Inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

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4.1.1 Responsibility for compliance. All items must meet all requirements of section 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material.

4.1.2 Quality Assurance Terms and Definitions. Reference shall be made to MIL-STD-109 to define quality assurance terms used.

#### 4.2 Inspection Provisions.

4.2.1 Periodic Inspection. The contractor in accordance with the provisions of MIL-STD-120 and MIL-STD-45662 shall perform periodic inspection of inspection equipment in use in order to detect deficiencies before wear or tolerance limits are exceeded or unserviceability results. The results of all examinations and tests performed on inspection equipment during the life of the contract shall be recorded on the gage record cards at the time inspection is performed.

4.2.2 Examinations and Tests. The contractor shall perform all applicable examinations and tests to assure that inspection equipment acquired meets the requirements of this specification and contractual technical data.

4.2.3 Surveillance. The contractor shall perform surveillance of inspection equipment to assure adherence to maintenance procedures.

### 5. PACKAGING

5.1 Preservation and Packaging. All inspection equipment being prepared for delivery to the Government shall be preserved and packaged in a manner to insure safe arrival at the point of destination utilizing the same or equivalent shipping containers as originally provided.

5.2 Marking. In addition to any special marking required by the contract, shipping containers shall be marked in accordance with MIL-STD-129.

### 6. NOTES

6.1 Intended Use. This specification to to be used as a part of contractual documents, by reference in the contract, as

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a basis for the establishment of required procedures within the contractor's facility and between the contractor and his subcontractors for the acquisition, maintenance and disposition of inspection equipment.

6.2 Ordering Data. Procurement documents should specify the following:

a. Title, number and date of this specification.

6.3 Definitions.

6.3.1 Inspection Equipment. All equipment, special and standard, including dimensional gages, measuring equipment, test fixtures, electronic and physical test equipment, and other test equipment used for examination and tests of a product to determine conformance to drawings or specifications.

6.4 Subject Term (Key Word) Listing.

Acquisition  
Control  
Control Duration  
Inspection Equipment  
Inspection Records  
Maintenance  
Preservation and Packaging  
Quality Assurance  
Shipping  
Usage and Handling

Custodian:  
Army - AR

Review Activities:  
Army - MI

User Activities:  
Army - AT

Preparing Activity:  
Army - AR

Project Number:  
QCIC -A079

## STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER MIL-I-45607C (AR)		2. DOCUMENT TITLE INSPECTION EQUIPMENT, ACQUISITION, MAINTENANCE AND DISPOSITION OF	
3a. NAME OF SUBMITTING ORGANIZATION		4. TYPE OF ORGANIZATION (Mark one)	
b. ADDRESS (Street, City, State, ZIP Code)		<input type="checkbox"/> VENDOR	
		<input type="checkbox"/> USER	
		<input type="checkbox"/> MANUFACTURER	
		<input type="checkbox"/> OTHER (Specify): _____	
5. PROBLEM AREAS			
a. Paragraph Number and Wording:			
b. Recommended Wording:			
c. Reason/Rationale for Recommendation:			
6. REMARKS			
7a. NAME OF SUBMITTER (Last, First, MI) - Optional		b. WORK TELEPHONE NUMBER (Include Area Code) - Optional	
c. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional		8. DATE OF SUBMISSION (YYMMDD)	

TO DETACH THIS FORM, CUT ALONG THIS LINE.