

MIL-B-3060E(AR)
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MILITARY SPECIFICATION

BOXES, SMALL ARMS AMMUNITION: M19A1 AND M2A1

This specification is approved for use by the U.S. Army Armament Research and Development Command, and is available for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 This specification covers two model steel containers for shipping and storing ammunition (see 6.1).

2. APPLICABLE DOCUMENTS

2.1 Issues of Documents. The following documents of the issue in effect on date of invitation for bids or request for proposals, form a part of this specification to the extent specified herein.

SPECIFICATIONS

FEDERAL

TT-C-490	-Cleaning Methods and Pretreatment of Ferrous Surfaces for Organic Coatings
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MILITARY

MIL-A-2550	-Ammunition, General Specif- ication for
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STANDARDS

MILITARY

MIL-STD-105	-Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-109	-Quality Assurance Terms and Definitions

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, US Army Armament Research and Development Command, Attn. DRDAR-QA, Dover, New Jersey 07801 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

FSC-8140

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MIL-STD-406	-Visual Inspection Standards for Terne Plate Cans and Steel Boxes Used in Small Arms Ammunition Packaging
MIL-STD-414	-Sampling Procedures and Tables for Inspection by Variables for Percent Defectives
MIL-STD-1168	-Lot Numbering of Ammunition
MIL-STD-1235	-Single and Multilevel Continuous Sampling Procedures and Tables for Inspection by Attributes

DRAWINGS (see 6.4)

U.S. ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND
(ARRADCOM)

7553296	-Box, Ammunition, M2A1 Assembly
7553315	-Box, Ammunition, M19A1 Assembly
7553352	-Box, Shipping, for Box Ammunition, M2A1
7692103	-Box, Shipping, for Box Ammunition, M19A1

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

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bid or request for proposal shall apply.

American Society for Testing Materials (ASTM)	
ASTM B117-64	-Method of Test for Salt Spray (FOG) Testing

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103).

(Technical society and technical association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies).

3. REQUIREMENTS

3.1 General. Materials, components, sub-assemblies shall comply with the applicable drawings, referenced specifications and the following:

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3.2 Material. The contractor shall be responsible for selecting from the classification list contained in the raw material specification, the surface and physical condition of the raw material intended for use in manufacture. The physical and chemical properties specified on the applicable drawing shall be uniform throughout each part within specified tolerances.

3.3 Assembly. Components and assemblies for Box, Small Arms Ammunition, M19A1 shall be combined to produce an assembly which conforms to the requirements of Drawing 7553315. Components and assemblies for Box, Small Arms Ammunition, M2A1 shall be combined to produce an assembly which conforms to the requirements of Drawing 7553296.

3.4 Protective coating.

3.4.1 Paint. The paint film thickness and coating shall comply with the requirements of the applicable drawing. In addition, the coating shall be smooth, unbroken and free of blisters, runs, thin spots and foreign matter. Adhesion of the paint to the pretreated surfaces shall comply with the applicable requirements of TT-C-490.

3.4.2 Corrosion resistance. The exterior surfaces of the box shall show no visible evidence of paint blistering, creepage (loss of adhesion), or corrosion of base metal in excess of 1/8 inch on either side of the score marks or rusting of parts of the hardware subject to pressure or abrasion in normal use or exceeding the standards permissible in MIL-STD-406, after exposure to a 5% solution of salt spray for 80 hours.

3.5 Functioning.

3.5.1 Cover assembly. The cover of the box of the M19A1 and M2A1 shall open, close, and be removed without binding or requiring exertion of undue force. The gasket shall not stick to top edges of the box, be cut or split, not shift within the gasket retainer when the cover is opened. Hinge pins shall be secure in body half of hinge.

The cover on the M19A1 box assembly only shall not fall off when opened and allowed to hang freely when the box is held in an inverted position. The formed lip on the side of each M19A1 box assembly cover skirt shall catch beneath the edge of the body fold and restrain the cover from opening fully when the partially opened box is inverted.

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3.5.2 Hasp and latch. Mating parts of the body hasp and the latch shall meet without requiring deformation of any box part, and the latch shall close and open freely. When closed, the latch of the assembled box shall remain closed until manually opened.

3.5.3 Elevated temperature storage. Following storage of the box in its closed position at an air temperature of 163 degrees Fahrenheit (°F) minimum for a period of 24 hours minimum and subsequent return to ambient temperature, the cover of the box shall function as required in 3.5.1 and 3.5.2.

3.6 Airtightness (of box assembly). The assembled box shall not release more than 4 bubbles of air when subjected to an air pressure differential of 3 pounds per square inch (psi) for 15 seconds.

3.7 Weld security.

3.7.1 Cover handle assembly. The cover handle of the box shall withstand a pull of 300 pounds for a period of one minute without separation from the cover or failure of either link, clip or any weld.

3.7.2 Latch, cover and hinge assembly (applicable to M19A1). The latch, cover and hinge assembly shall withstand a pull of 300 pounds for the M19A1 box.

3.7.3 Cover hinge assembly (applicable to M2A1). The cover hinge assembly shall withstand a pull of 500 lbs. for the M2A1 box.

3.7.4 Hasp assembly. The assembly of the hasp to the box shall withstand a pull of 1000 pounds for one minute without failure of the hasp or weld.

3.8 First Article Inspection. This specification contains technical provisions for first article inspection. Requirements for the submission of first article samples by the contractor shall be as specified in the contract.

3.9 Workmanship. The requirements for workmanship are as specified on the applicable drawings, referenced specifications and the following:

3.9.1 Metal defects. The boxes shall be free of burrs, rough spots, sharp projections, cracks, splits, buckles or sintered surfaces.

3.9.2 Foreign matter. The boxes shall be free of corrosion, chips, dirt, grease and other foreign matter.

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4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection and standard quality assurance provisions. Unless otherwise specified herein or 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 order, the supplier may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. In addition, 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. Reference shall be made to MIL-STD-109 to define terms used herein. The provisions of MIL-A-2550 shall apply.

4.2 Classification of inspections. The following types of inspection shall be conducted on this item:

- a. First Article Inspection
- b. Quality Conformance Inspection

4.3 First article inspection.

4.3.1 Submission. The contractor shall submit a first article sample as designated by the Contracting Officer for evaluation in accordance with provisions of 4.3.2. The first article sample shall consist of thirty (30) painted boxes and two (2) complete sets of unassembled component parts.

4.3.2 Inspections to be performed. First article assemblies, components and test specimens may be subjected by the Government to any or all of the examinations and tests specified in this specification and to any or all requirements of the applicable drawings.

4.3.3 Rejection. If any assembly, component or test specimen fails to comply with any of the applicable requirements, the first article sample shall be rejected. The Government reserves the right to terminate its inspection upon any failure of an assembly, component or test specimen in the sample to comply with any of the stated requirements.

TABLE I - FIRST ARTICLE INSPECTION

CLASSIFICATION OF DEFECTS & TESTS

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PARAGRAPH	TITLE	SHEET 1 OF 1		DRAWING NUMBER	
	Box Assemblies			See Below	
				NEXT HIGHER ASSEMBLY	
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE / INSPECTION METHOD
	<u>Assembly</u> (Dwg. 7553296 or 7553315, as applicable) Examination for Defects	15	-	3.1	4.4.2.1
	<u>Functioning</u>	15	-	3.5	4.5.3
	<u>Air Tightness of box assembly</u>	30	-	3.6	4.5.4
	<u>Gasket Compression</u> (Dwg. 7553292 or 7553315, as applicable)	10	-	3.1	4.5.6
	<u>Weld Security (See Note)</u> <u>Cover handle assembly</u>	5	-	3.7.1	4.5.5.1
	<u>Latch, cover and hinge assembly-</u> (applicable to M19A1 Box)	5	-	3.7.2	4.5.5.2
	<u>Cover hinge assembly (applicable to M2A1 Box)</u>	5	-	3.7.3	4.5.5.3
	<u>Hasp assembly</u>	5	-	3.7.4	4.5.5.4
NOTES- The weld security inspections shall be performed after the other inspections have been performed on the samples.					

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4.4 Quality conformance inspection.

4.4.1 Inspection lot formation. The term "inspection lot" is defined as a homogeneous collection of units of product from which a representative sample is drawn or which is inspected 100 percent to determine conformance with applicable requirements. Units of product selected for inspection shall represent only the inspection lot from which drawn and shall not be construed to represent any prior or subsequent quantities presented for inspection. Homogeneity shall be considered to exist provided the inspection lot has been produced by one manufacturer in one unchanged process, using the same materials and methods, in accordance with the same drawings, same drawing revisions, same specifications and same specification revisions and complies with the provisions for submission of product as specified in MIL-STD-105. All material submitted for inspection in accordance with this specification shall comply with the homogeneity criteria specified herein, regardless of the type of inspection procedure which is being applied to determine conformance with requirements. Lot numbering, as required, shall be in accordance with MIL-STD-1168.

4.4.2 Examination. Unless otherwise specified in the Classification of Defects and Test tables, sampling plans and procedures for major and minor defects shall be in accordance with MIL-STD-105, Inspection Level II, except that inspection for critical defects shall be 100 percent. Continuous sampling plans in accordance with MIL-STD-1235 may be used if approved by the procuring activity.

CLASSIFICATION OF DEFECTS & TESTS

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PARAGRAPH	TITLE	SHEET 1 OF 1		DRAWING NUMBER 7553296 or 7553315 NEXT HIGHER ASSEMBLY	
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE / INSPECTION METHOD
<u>Critical</u>	None Defined.				
<u>Major</u>	Inside length, minimum (min.)		1.0%	3.1	Gage
101	Inside width, min.		1.0%	3.1	Gage
102	Inside height, min		1.0%	3.1	Gage
103	Incomplete manufacture		0.65%	3.1	Visual (See Note)
104	Incorrect assembly		0.65%	3.1	Visual
105	Incomplete or inadequate paint coverage		1.0%	3.1	Visual
106	Burrs, rough spots, sharp projections, cracks, splits, buckles		1.0%	3.9.1	Visual
107					
<u>Minor</u>	Outside length, maximum (max.)		1.5%	3.1	Gage
201	Outside width, max.		1.5%	3.1	Gage
202	Outside height, max.		1.5%	3.1	Gage
203	Concavity or convexity of cover assembly		1.5%	3.1	Gage
204	Concavity or convexity of body assembly		1.5%	3.1	Gage
205	Chips, dirt, grease and other foreign matter		1.5%	3.9.2	Visual
206	Surface imperfections, excessive paint not dry		1.5%	3.1	Visual
207					
NOTES: Refer to MIL-STD-406 for visual defects standards. The standard defects classified as incidental shall be considered permissible.					

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CLASSIFICATION OF DEFECTS & TESTS

PARAGRAPH	TITLE	SHEET 1 OF 1		DRAWING NUMBER 7692103 or 7553352
CATEGORY	EXAMINATION OR TEST	NO OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH
4 4.2.2	Box, Shipping prior to sealing			
<u>Critical</u>	None defined			
<u>Major</u>	None defined			
<u>Minor</u> 201. 202.	Contents incorrect Separator missing		1.5% 1.5%	3.1 3.1
				Visual Visual
NOTES-				

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CLASSIFICATION OF DEFECTS & TESTS

PARAGRAPH	TITLE	SHEET 1 OF 1		DRAWING NUMBER
CATEGORY	EXAMINATION OR TEST	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE / INSPECTION METHOD
4.4 2.3	Box, Shipping after sealing			7692103 or 7553352 NEXT HIGHER ASSEMBLY
<u>Critical</u>	None defined			
<u>Major</u> 101 102.	Box damaged Contents of box exposed	1.0% 1.0%	3 1 3 1	Visual Visual
<u>Minor</u> 201 202. 203.	Contents loose Box inadequately or improperly sealed Marking missing, incorrect or illegible	1.5% 1.5% 1.5%	3 1 3 1 3.1	Manual/Visual Visual Visual
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4.4.3 Testing.

4.4.3.1 Film thickness and paint adhesion (see 3.4.1).- Three (3) boxes shall be randomly selected and tested as specified in 4.5.1. Failure of any box to conform to the requirement, shall be cause to require the manufacturer to correct his painting practice to comply with the requirement.

4.4.3.2 Corrosion resistance (see 3.4.2).- Three (3) boxes shall be randomly selected and tested as specified in 4.5.2. Failure of any box to conform to the requirement shall be cause to require the manufacturer to correct his painting processes to comply with the requirement.

4.4.3.3 Functioning.

4.4.3.3.1 Cover assembly. (see 3.5.1)- Major defect.- Thirteen (13) box assemblies shall be randomly selected from each lot and tested as specified in 4.5.3. Failure of one or more sample unit to comply with the specified requirements for functioning of the cover assembly shall be cause for rejection of the lot.

4.4.3.3.2 Hasp and latch. (see 3.5.2)- Major defect.- Thirteen (13) box assemblies shall be randomly selected from each lot and tested as specified in 4.5.3. Failure of one or more sample unit to comply with the specified requirements for functioning of the hasp and latch assembly shall be cause for rejection of the lot.

4.4.3.3.3 Elevated temperature. (see 3.5.3)- Major defect.- Thirty-two (32) box assemblies shall be randomly selected from each lot and tested as specified in 4.5.3. Failure of one or more sample unit to comply with the specified requirements for functioning after the elevated test shall be cause for rejection of the lot.

4.4.3.4 Airtightness of box assembly. (see 3.6)- Major defect.- This test shall be performed 100% in accordance with 4.5.4. Any box assembly which fails to meet this requirement shall be removed from the lot. These defective box assemblies may be reworked and resubmitted for retesting.

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4.4.3.5 Weld security of cover handle assembly (see 3.7.1), latch, cover and handle assembly for M19A1 Box (see 3.7.2), Cover hinge assembly for M2A1 Box (see 3.7.3) and hasp assembly (see 3.7.4)- Major defect.- Thirteen (13) box assemblies shall be randomly selected from each lot and tested as specified in 4.5.5. Failure of one or more of the sample unit to comply with the specified requirements for weld security shall be cause for rejection of the lot.

4.4.3.6 Gasket compression. (see dwg. 7553315 or 7553296 as applicable)- Major defect.- The box assemblies shall be sampled in accordance with MIL-STD-414, Section C, Table C-3, Code Letter F and an AQL of 1.0 percent. Failure of any box to comply with the requirements or failure of the sample to meet the criteria of the variables sampling plan, shall be cause for rejection of the lot. The test shall be performed as specified in 4.5.6.

4.4.4 Inspection equipment. The inspection equipment required to perform the examinations and tests prescribed herein is described in the 'Paragraph Reference/Inspection Method' column in the tables starting with paragraph 4.4.2.1. The contractor shall submit for approval inspection equipment designs in accordance with the terms of the contract. (See 6.3).

4.5 Test methods and procedures.

4.5.1 Film thickness and paint adhesion. The method of test shall comply with applicable requirements of TT-C-490. The test shall be performed on three randomly selected surfaces of each unit of the sample.

4.5.2 Corrosion resistance. The method of test shall be as specified in ASTM B117-64 - Method of Test for Salt Spray (FOG) Testing. Using a sharp instrument, (machinist scriber or equivalent) one "X" approximately three (3) inches long shall be scored across the flat portion of each side, the bottom, the hinge end and the cover. The sample shall be so positioned that the hinged edge of the assembled box is elevated approximately 15 degrees from the horizontal and rests upon a wooden support while the cover face is parallel to the principal direction of horizontal flow of fog through the chamber.

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4.5.3 Functioning. The box shall be inspected to assure compliance with requirements of 3.5 through the following procedures:

a. Unlock and lock the cover assembly by hand leverage. Note the locking and unlocking action on the M19A1 and the M2A1 box assembly for effectiveness and ease of operation. Then only the M19A1 box assembly shall be unlocked, latch disengaged, and held in an inverted position. The formed lip inside of each M19A1 box assembly cover skirt shall catch beneath the edge of the body fold and restrain the cover from opening fully when partially opened box is inverted.

b. Remove and replace the cover assembly. Note any sticking of gaskets to the top edge of the body assemblies, or any misfit or bind within the body assembly and inspect hinge pins for security in the body half of the hinge.

c. Remove all cover assemblies. Inspect the gaskets for fit security, cuts and splits.

d. Environmentally condition the box assemblies as specified in 3.6.3. After conditioning, reinspect the box assemblies in accordance with a, b, and c above.

4.5.4 Airtightness of box assembly. The assembled box shall be tested for leakage by immersing the closed box under water, to a depth of one (1) inch below the surface of the water and pressurize the box to three (3) pounds per square inch. A wetting agent may be used to minimize air bubbles clinging to exterior surface. Observation for leakage of air from the interior of the box assembly shall be made for a minimum of 15 seconds after reduction of pressure differential.

4.5.5 Weld security.

4.5.5.1 Cover handle assembly. The assembled box shall be clamped with the sample body assembly resting on its bottom. Attach the test fixture to the cover handle. With one fixture security held, apply the specified tensional force through the other test fixture, vertical to the box bottom against the ferrule of each handle. The force shall be applied at a rate of .125 to .25 inch per minute and held for one minute. After removal of the force, examine the handle and hasp for distortion and weld failure.

4.5.5.2 Latch, cover and hinge assembly (M19A1). The assembly shall be tested in a suitable fixture with the box resting on its bottom and with the cover raised at a right angle. The box shall be clamped securely and the body assembly

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shall be supported by means of a snug fitting wood filler box in order to prevent its distortion or collapse. Secure the other test fixture to the latch assembly and slowly apply a tensional force perpendicular to the body assembly. The force shall be applied at a rate of .125 to .25 inch per minute and held for one minute. After removal of the force, examine the latch, latch link, latch link retainer, cover, cover hinge and body hinge for distortion and weld failure.

4.5.5.3 Cover hinge assembly (M2A1). The assembly shall be tested in a suitable fixture with the box resting on its bottom with the cover raised at a right angle. The box shall be clamped securely and the body assembly shall be supported by means of a snug fitting wood filler box in order to prevent its distortion or collapse. Secure the other test fixture to the cover and slowly apply a tensional force perpendicular to the body assembly. The force shall be applied at a rate of .125 to .25 inch per minute and held for one minute. After removal of the force, examine the cover, cover hinge and the body hinge for distortion and weld failure.

4.5.5.4 Hasp assembly. The sample body assembly resting on their bottoms shall be clamped in a suitable device. Using a test fixture clamped securely on the hasp assembly, the specified force shall be slowly applied perpendicular to the bottom and against the underside of the offset of the hasp. The force shall be applied at a rate of .125 to .25 inch per minute and held for one (1) minute. After removal of the force, examine the hasp for distortion and weld failure.

4.5.6 Gasket compression.

4.5.6.1 Compressed gasket and cover measurements. The box shall be positioned in a suitable fixture so that it cannot be moved (see 6.5). Four points, two on each side, two inches from the front and the rear, shall be located (and numbered 1, 2, 3, and 4) on both the body and the cover. With the body fully closed, a reading at each point, with a standard height gage, shall be recorded, then the cover shall be removed and the height to the hemmed edge of the body at the same point shall be recorded. Subtraction of the second reading from the first reading gives the value of the compressed gasket and cover.

4.5.6.2 Uncompressed gasket and cover measurements. The cover and uncompressed gasket shall be measured at each of the four locations with a precision measurement device and readings recorded. Care must be exercised so that the surface of the measuring device does not rest in the groove of the compression set. These readings are the uncompressed gasket and cover values.

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4.5.6.3 Average gasket compression value. The compressed gasket and cover results (see 4.5.6.1) shall be subtracted from the uncompressed gasket and cover readings (see 4.5.6.2) at the corresponding locations points. The sum of the resulting values for the four location points divided by four shall be considered the average gasket compression value. The average value for each box shall be used in the application of the procedures of MIL-STD-414.

5. PACKAGING

5.1 Packing and marking. The boxes with covers attached and the hasps closed shall be packed in shipping cartons as shown on Drawings 7692103 or 7553352, whichever is applicable, and marked as shown on the applicable drawing.

5.2 Delivery. A lot which has been officially accepted by the Government inspector shall be considered as prepared for delivery when the boxes are packed in shipping cartons, sealed and marked, as required by applicable drawing and the packed shipping cartons have been accepted.

6. NOTES

6.1 Intended use. Boxes, M19A1 and M2A1 are intended for diversified use in the packaging of small arms ammunition. The M2A1 box is also suitable for the packaging of Artillery Fuzes, Rocket Fuzes, Mortar Fuzes, 60MM and 40MM cartridges and other ammunition.

6.2 Ordering data. Procurement documents shall specify the following:

6.2.1 Procurement requirements

- a. Title, number and date of this specification
- b. Quantity required and delivery schedules
- c. Serialization requirements, if applicable.
- d. Quality conformance inspection, if other than specified in Section 4 of this specification
- e. First article sample requirements, if other than specified in Section 4 of this specification.
- f. Packaging requirements, if other than specified in Section 5 of this specification.

6.2.2 Contract data requirements

a. Contract data requirements for inspection equipment designs (conforming to Data Item Description DI-E-1118 or DI-R-1714 with appropriate addendum to each). See 6.3.

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b. Data Cards- When required by incorporation of DD Form 1423 into the contract, data cards shall be prepared for each lot in accordance with Data Item Description DI-L-1410, except that for propellant or explosive lots, Acceptance and Description Sheets will be prepared in accordance with MIL-STD-1171.

6.3 Inspection equipment designs. Inspection equipment designs are of two types: Government Special Inspection Equipment (SIE) designs and contractor designs. SIE designs are designated by drawing numbers under the "Method of Inspection" heading in Section 4, or on the Equipment Lists referenced on the Equipment Tabulation, whichever is specified in the item detail specification. Design responsibility for all other inspection equipment is assigned to the contractor. However, the contractor need not furnish any design when a complete Government SIE design is part of the Technical Data Package (TDP). Unless otherwise specified, the contractor may submit alternate or modified contractor designs of SIE in accordance with 6.3.2 and 6.3.3 should he elect to do so.

6.3.1 SIE designs. SIE designs may consist of any of the following:

a. Detailed drawings which completely depict all information necessary for the fabrication and use of the item of inspection equipment.

b. A source control drawing or a specification control drawing as defined in MIL-STD-100.

c. An envelope drawing, as defined in MIL-STD-100, which establishes the criteria which a detailed design shall meet. When envelope drawings are specified, the contractor shall prepare designs which comply with the criteria therein.

6.3.2 Contractor designs. Contractor designs are required for all inspection equipment for which SIE designs are not specified and may include commercial equipment which the contractor proposes to use. (Commercial equipment is defined as unmodified equipment which is cataloged and available for purchase by the general public). Contractor designs shall include appropriate operating instructions, calibration procedures and maintenance procedures. Commercial equipment shall be fully described by catalog listings or other means which provide sufficient information to permit identification and evaluation by the Government and may include illustrations and engineering data. Designs shall be prepared for any special fixture(s) required to be used with commercial equipment, or with SIE designs if not otherwise covered thereby (see 6.3.1c). Designs shall be of the category and form (per MIL-D-1000) specified in the Contract Data Requirements Lists

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(DD Form 1423). The item detail specification number, paragraph number, and the defect number from Section 4 shall be referenced on each contractor design together with the component or assembly drawing number, revision letter and date to which the specific design applies.

6.3.3 Submission of designs for approval. Contractor designs shall be approved by the Government prior to fabricating or procuring the equipment. Designs shall be submitted for approval in accordance with the stipulations, time frame and distribution specified in the Contract Data Requirements Lists (DD Form 1423) or in the contract. Partial submission of inspection equipment designs is permissible and encouraged. However, the completion date for design review will be based on the date of the final submission of designs and the required delivery schedule as stipulated in the contract.

The specific segment of ARRADCOM to which the Contractor designs shall be sent will be specified in the item detail specification. When the contractor submits inspection equipment designs to the Government for approval, he shall give the following information in his letter of transmittal:

- a. The contract number.
- b. The contract item (name, model number, etc.)
- c. The designs remaining to be submitted and the expected date of submittal.

Submit equipment designs, as required to: Commander, U.S. Army Armament Research and Development Command, ATTN: DRDAR-QAR-I, Dover, New Jersey 07801.

6.4 Drawings. Drawings listed in Section 2 of this specification under the heading U.S. Army Armament Research and Development Command (ARRADCOM) may also include drawings prepared by, and identified as, Edgewood Arsenal, Frankford Arsenal, Rock Island Arsenal or Picatinny Arsenal drawings. Technical data originally prepared by these activities is now under the cognizance of ARRADCOM.

6.5 Measurement for gasket compression. Three point contact of the container resting on blocks may be used to overcome any rocking which might be encountered with the container resting on the surface plate. However, since the measurement technique relies upon relative distances, care should be taken to assure that there is no displacement on the referenced surfaces between the readings.

Custodian:
Army-AR

Preparing Activity:
Army-AR

Project No.: 8140-A531

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS This form is provided to solicit beneficial comments which may improve this document and enhance its use. DoD contractors, government activities, manufacturers, vendors, or other prospective users of the document are invited to submit comments to the government. Fold on lines on reverse side, staple in corner, and send to preparing activity. Attach any pertinent data which may be of use in improving this document. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity. A response will be provided to the submitter, when name and address is provided, within 30 days indicating that the 1426 was received and when any appropriate action on it will be completed.

NOTE This form shall not be used to submit requests for waivers, deviations or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

DOCUMENT IDENTIFIER (Number) AND TITLE

MLL-B-3060E Boxes, Small Arms Ammunition: M19A1 and M2A1

NAME OF ORGANIZATION AND ADDRESS OF SUBMITTER

☐ VENDOR ☐ USER ☐ MANUFACTURER

1 ☐ HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? ☐ IS ANY PART OF IT TOO RIGID, RESTRICTIVE, LOOSE OR AMBIGUOUS? PLEASE EXPLAIN BELOW.

A GIVE PARAGRAPH NUMBER AND WORDING

B RECOMMENDED WORDING CHANGE

C REASON FOR RECOMMENDED CHANGE(S)

2 REMARKS

SUBMITTED BY (Printed or typed name and address — Optional)

TELEPHONE NO

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