

MILITARY SPECIFICATION

CARTRIDGE, 25MM, ARMOR PIERCING DISCARDING  
SABOT TRACER (APDS-T), M791, REFERENCE

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 covers requirements and quality assurance provisions for one type of percussion primed reference cartridge, designated as Cartridge 25mm, APDS-T, M791 to be used for calibrating acceptance testing equipment (see 6.1).

2. APPLICABLE DOCUMENTS

2.1 Government documents

2.1.1 Specifications, standards and handbooks. The following specifications standards and handbooks form a part of this specification to the extent specified herein. Unless otherwise specified, the issue of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation.

SPECIFICATIONS

MILITARY

- MIL-A-2550 - Ammunition, General Specification for
- MIL-A-48073 - Ammunition, Standard Quality Assurance Provisions, General Specification for

STANDARDS

MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes

**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 Armament, Munitions, and Chemical Command, Attn. AMSMC-QA, 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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- MIL-STD-109 - Quality Assurance Terms and Definitions
- MIL-STD-129 - Military Standard Marking for Shipment and Storage
- MIL-STD-644 - Visual Inspection Standards and Inspection Procedures for Inspection of Packaging, Packing and Marking of Small Arms Ammunition
- MIL-STD-651 - Visual Inspection Standards for 20mm Ammunition and Components
- MIL-STD-1168 - Lot Numbering of Ammunition

(Unless otherwise indicated, copies of federal and military specifications, standards and handbooks are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099.)

2.1.2 Other Government documents, drawings and publications.

The following other Government documenter drawings, and publications form a part of this specification to the extent specified herein. unless otherwise specified, the issues shall be those in effect on the date of the solicitation.

DRAWINGS

US ARMY ARMAMENT RESEARCH, DEVELOPMENT, AND ENGINEERING CENTER (ARDEC)

- 9391399 - Interface Control Drawing, Maximum Profile and Alignment, Cartridge M791
- 12910009 - Reference Cartridge, 25mm, APDS-T, M791
- 12013674 - Shipping Container-Unlinked 25mm Ammunition (80 Rds)
- 12910126 - Barrel, Mann, Transducer Location, 25mm (Metric)
- 12910127 - Transducer, Piezoelectric, Kristler 617C
- AS12013566 - 25mm Ammunition Ballistic Test Methods
- AS12013734 - Ammunition, 25mm, Packaging, Packing and Marking

PUBLICATIONS

Code of Federal Regulations

- Title 49 - Interstate Commerce Commission Rules and Regulations for the Transportation of Explosives and other Dangerous Articles

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

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(Code of Federal Regulation Title 49, Transportation Parts 100 through 199 are available from the superintendent of documents, U.S. Government Printing Office, Washington, D.C. 20402. Orders should specify "49 CFR 100-199 (Latest Revision))

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, take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless specific exemption has been obtained.

3. REQUIREMENTS

3.1 General. The cartridge shall be in accordance with Drawing 12910009, referenced specifications, publications and other requirements specified herein.

a. Material. Materials shall be in accordance with applicable drawings and specifications.

b. Manufacturing process. All parts and assemblies shall be manufactured by a process approved by the contracting officer, and no deviation from that process shall be made without prior approval of the contracting officer (see 6.7).

3.2 Projectile extraction. The tensile force necessary to extract the projectile from the cartridge case shall be between 2000 and 3500 lbs. inclusive (see 4.4.1).

3.3 Projectile torque. The projectile shall withstand a minimum of 30 in-lbs torque without rotational movement (see 4.4.3).

3.4 Velocity. The average muzzle velocity of the sample cartridges shall be  $1345 \pm 15$  meters per second (mps) when conditioned at  $21^{\circ} \pm 3^{\circ}\text{C}$ . The sample standard deviation shall not exceed 10 mps (see 4.4.4).

3.5 Pressure. The average peak chamber pressure of the sample cartridges, conditioned at  $21^{\circ} \pm 3^{\circ}\text{C}$ , plus three standard deviations of peak chamber pressure shall not exceed 454 megapascals (MPa). No individual sample cartridge shall exceed 496 MPa. Pressure shall be measured with a piezoelectric type pressure transducer dwg. 12910127, located as specified on dwg. 12910126 (see 4.4.4).

3.6 Waterproofness. The average velocity (wet) of projectiles of the cartridges, conditioned at  $21^{\circ} \pm 3^{\circ}\text{C}$ , shall not vary from the average velocity (dry) by more than 30.5 mps. The action time of the (wet) cartridges shall not exceed 6.0 milliseconds (ms) (see 4.4.4).

3.7 Dispersion. The standard deviation of impacts in both the horizontal and vertical directions of the sample cartridge projectiles shall not exceed 0.38 milliradians when the cartridges are conditioned at  $21^{\circ} \pm 3^{\circ}\text{C}$  (see 4.4.5). For this test, the test barrel will be fitted and fired with a muzzle brake.

3.8 Action time. The action time of the cartridges shall not exceed 6.0 ms at any cartridge temperature when conditioned at  $21^{\circ}\text{C} \pm 3^{\circ}\text{C}$  (see 4.4.6).

3.9 Projectile trace. The sample projectile shall exhibit a visible trace when viewed against a dark background, for the minimum time of 1.4 seconds (sec) from the gun muzzle when conditioned at  $21^{\circ} \pm 3^{\circ}\text{C}$  (see 4.4.8).

3.10 Function and casualty. The sample cartridges, conditioned at  $21^{\circ} \pm 3^{\circ}\text{C}$ , shall function without firing defects and casualties (see 4.4.7).

3.11 Workmanship. All parts and assemblies shall be fabricated, loaded, and assembled in a thorough workmanship manner. They shall be free of burrs, sharp edges, cracks, scratches, dents, folds, wrinkles, buckles, dirt, grease, oil, rust, and other foreign matter. The cleaning method used shall not be injurious to any parts, nor shall the parts be contaminated by the cleaning agents. Exterior surface coatings shall be continuous; however, light scratches not exposing base material may be permitted. All required marking and stamping shall be neat and clearly defined.

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection as specified herein. Except as otherwise specified in the contract, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the 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. Quality assurance terms and definitions shall be in accordance with MIL-STD-109 and the provisions of MIL-A-2550 and MIL-A-48078 apply.

4.1.1 Responsibility for compliance. All items must meet all requirements of sections 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 of 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.

4.2 Classification of inspections. The inspection requirements specified herein are classified as follows:

Quality conformance inspection (see 4.3)

4.3 Quality conformance inspection.

4.3.1 Inspection lot formation. Inspection lots shall comply with the lot formation provisions of MIL-A-48078.

4.3.1.1 Component parts. Unless otherwise specified, component parts shall be homogeneous and of a quantity convenient to the contractor, except that each cartridge lot shall contain:

a. Cartridge cases from one unchanged process, from one lot interfix number, and one manufacturer.

b. Penetrators and sabots from one unchanged process, from one lot interfix number, and from one manufacturer.

c. Primers from one lot, from one lot interfix number, and one manufacturer.

d. Propellant from one lot and one manufacturer.

4.3.1.2. Assembled cartridge lot. All component parts shall meet the requirements specified in AS12013566. Each lot of ammunition shall be identified as to type, caliber, and model, as well as a lot number in accordance with MIL-STD-1168, supplemented as directed by the procuring activity. Each packed lot of ammunition shall further be identified by a national stock number assigned by the procuring activity. The entire lot of reference cartridges shall be assembled and charged on a single loading machine.

4.3.2 Examination for defects. See MIL-A-48078. MIL-STD-651 shall apply in defining and evaluating cartridge visual defects as applicable.

a. Critical defects. Unless otherwise specified, one hundred percent examination shall be performed for all critical defects. If a visual critical defects is found in a sample either just prior to a firing test or after a firing test (and the defects is not due to the firing), the lot shall be rejected. The lot shall then be rescreened and resubmitted for visual inspection of critical defects. If a critical defects is found during packing, the portion of the lot remaining to be packed shall be rejected. The lot shall then be rescreened and resubmitted for visual inspection of critical defects.

b. Major and minor defects. Major and minor defects shall be performed on a class basis in accordance with classification of defects using applicable sampling plans and acceptance criteria of MIL-STD-105. All nonconforming cartridges shall be rejected. The following AQL's are assigned to major and minor defects:

Major . . . . .	0.25%
Minor . . . . .	0.40%

4.3.3 Classification of defects. The classification of defects shall be as follows:

## CLASSIFICATION OF DEFECTS &amp; TESTS

PARAGRAPH	TITLE	SHEET OF			DRAWING NUMBER
4.4.3.1	Case, Cartridge, Primed	1 1			NEXT HIGHER ASSEMBLY
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE / INSPECTION METHOD
CRITICAL: 1.	Inverted or missing primer or ignitor		100%	3.1	Visual
MAJOR: 101.	Depth of primer seating		.25	3.1	SMTE
102.	Poor Workmanship		.25	3.11	Visual
MINOR: 201.	Waterproof missing around primer		.40	3.1	Visual
202.	Primer crimp missing		.40	3.1	Visual
<b>NOTES:</b>					

## CLASSIFICATION OF DEFECTS &amp; TESTS

PARAGRAPH	TITLE	SHEET 1 OF 1			DRAWING NUMBER
4.4.3.2	Cartridge, 25mm, APDS-T, M791 Reference				1291009
					NEXT HIGHER ASSEMBLY
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE / INSPECTION METHOD
<b>CRITICAL:</b>					
1.	Split or perforated case		100%	3.1	Visual
2.	Crack or split in projectile		100%	3.1	Visual
3.	Crimp missing, projectile-case		100%	3.1	Visual
4.	Low propellant charge		100%	3.1	SMTE
<b>MAJOR:</b>					
101.	Cocked, loose, missing or inverted primer		.25	3.1	Visual
102.	Overall length, max		.25	3.1	SMTE
103.	Improper or incomplete crimp (case-projectile)		.25	3.1	Visual
104.	Profile and alignment, max		.25	3.1	9391399 1/ 2/
105.	Evidence of corrosion		.25	3.1	Visual
106.	Head configuration improper		.25	3.1	Visual
107.	Metal slivers on head face		.25	3.1	Visual
108.	Crack or split in sabot		.25	3.1	Visual
109.	Incorrect type cartridge or components		.25	3.1	Visual
110.	Poor workmanship		.25	3.11	Visual
111.	Sabot damage		.25	3.1	Visual
<b>MINOR:</b>					
201.	Marking incorrect, incomplete, illegible or missing		.40	3.1	Visual
201.	Crack in protective cap		.40	3.1	Visual
<b>NOTES:</b> 1/ Internal configuration only. Submit final design in accordance with paragraph 6.5. 2/ A dead weight load of 60 lb maximum may be used to insert the cartridge into the gage.					

QUALITY CONFORMANCE INSPECTION

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**CLASSIFICATION OF DEFECTS & TESTS**

PARAGRAPH	TITLE	SHEET 1 OF 2			DRAWING NUMBER 12910009
4.4.3.3	Cartridge, 25mm, APDS-T, M791 Reference				NEXT HIGHER ASSEMBLY
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE / INSPECTION METHOD
	Projectile Extraction	20	1-2	3.2	4.4.1
	Projectile Contamination <u>1/</u>	20	0-1	3.1	4.4.2
	Projectile Torque	20	0-1	3.3	4.4.3
	<u>BALLISTIC TESTS</u> <u>2/</u>				
	Pressure	60		3.5	4.4.4
	Velocity	60		3.4	4.4.4
	Dispersion	60		3.7	4.4.5
	Waterproofness	40		3.6	4.4.4
	Action Time	60	0-1	3.8	4.4.6
	Projectile Trace	32	2-3	3.9	4.4.7

NOTES: 1/ The cartridges used for projectile extraction shall be used to inspect the propellant. 2/ The lot shall be rejected if in any firing test one or more projectiles remain in bore or if the number of firing defects exceeds any of the acceptance criteria of Table I.

QUALITY CONFORMANCE INSPECTION

CLASSIFICATION OF DEFECTS & TESTS

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PARAGRAPH 4.4.3.3	TITLE Cartridge, 25mm, APDS-T, M791 Reference		SHEET 2 OF 2		DRAWING NUMBER 12910009
NEXT HIGHER ASSEMBLY					
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE / INSPECTION METHOD
	Function and Casualty <u>3/</u>	200		3.10	4.4.8

NOTES: 3/ The lot shall be rejected if any malfunction or firing casualty of Table I occurs in number(s) equal to or greater than the applicable reject number. If malfunctions or casualties occur in excess of the applicable accept number, but less than the applicable reject number, a second sample of 400 cartridges shall be selected. The lot shall be rejected if in the combined samples, malfunctions or casualties occur equal to or greater than the applicable reject number.

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TABLE I. Firing defects

	<u>Acc</u>	<u>Rej</u>
Cartridge:		
Misfire	0	2
Failure to chamber	0	1
Failure to extract	0	1
Projectile remaining inbore	0	1
Inbore sabot separation	0	1
Primer:		
Primer leak	9	25
Primer perforation	1	6
Loose primer	0	1
Blown primer	0	1
Case:		
Longitudinal split <u>1/</u>		
H or S	10	31
G or J	4	11
K, L or M	0	1
Circumferential rupture, partial <u>1/</u>		
S, J or K	4	11
G or L	1	4
Circumferential rupture (complete) <u>1/</u>	0	1
Detached metal	0	1
Projectile:		
Failure of the sabot, base, and nose cover to separate <u>3/</u>	2	7
Metal parts separation - penetrator and windscreen <u>4/</u>	2	7

1/ See Figure 1 for classifying splits and ruptures in fired cartridge cases. If a longitudinal split or circumferential rupture (partial) extends into two or more defined areas, only the most severe defect criterion of Table I for the areas involved shall apply. If a rupture results in separation of the cartridge case into two or more portions, the defects shall be classified as a complete circumferential rupture.

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2/ Metal sheared or missing from the fired cartridge case exterior, such as rim or neck shears, shall be classed as a defect. The lot shall not be penalized for shavings of metal from the interior wall of the case neck in the crimped area.

3/ Failure of the projectile(s) to separate, as evidenced by penetration of the target screen, shall be classified as a defect.

4/ Separation or breakup of penetrator and windscreen, as evidenced by recovering of part(s) or fragment(s) or hole(s) in the target screen, shall be classed as a defect.

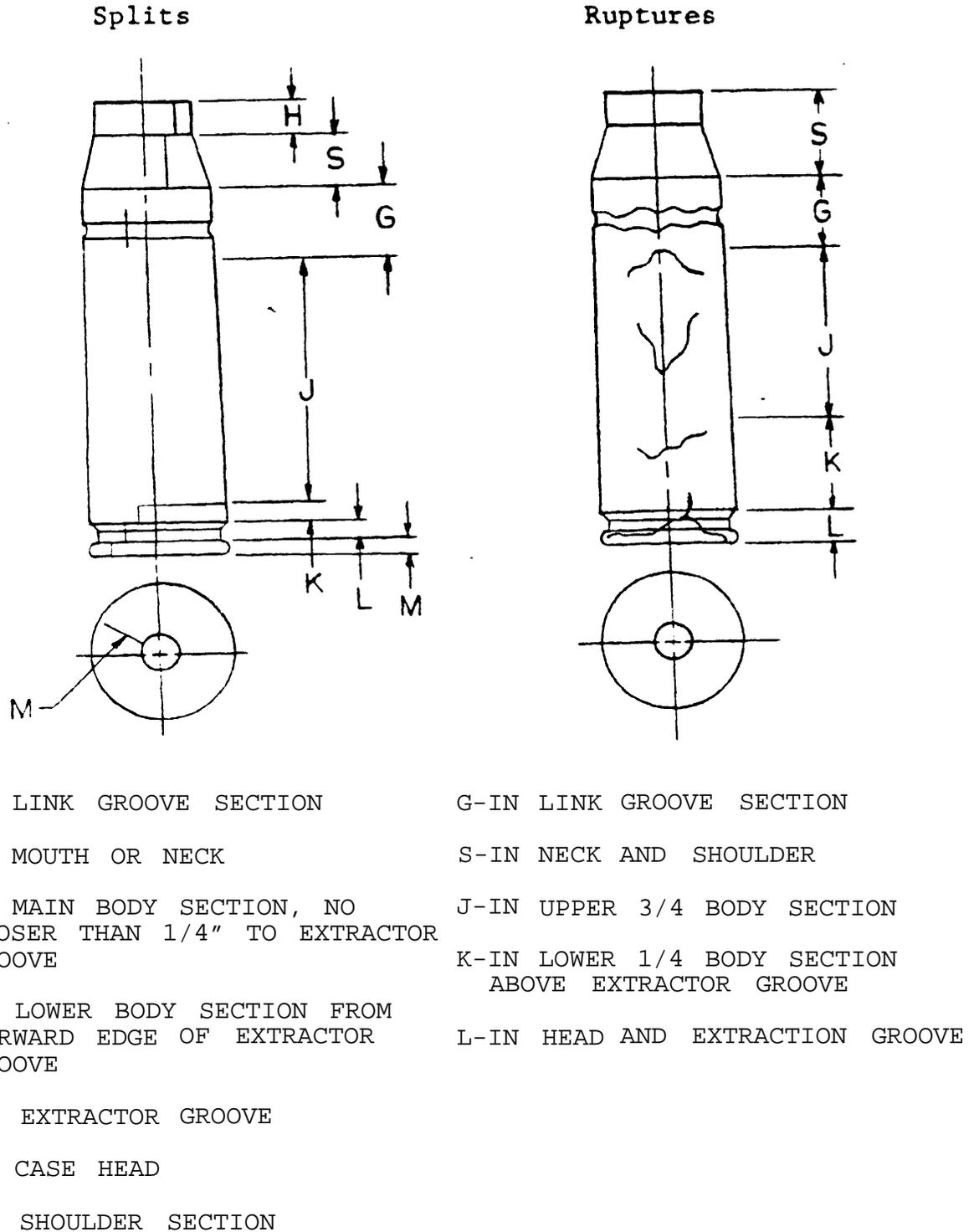


FIGURE 1. Classification of defects for case, cartridge, 25mm

4.3.4 Testing. The tests listed in Quality Conformance Inspection shall be performed on each cartridge lot in accordance with the test methods prescribed in 4.4. Unless otherwise indicated, tests shall be conducted with samples at  $21^{\circ} \pm 3^{\circ}\text{C}$ . Sample size and acceptance criteria for each test shall be as specified. Only cartridges having met the visual and dimensional requirements and having been selected in such a manner that the sample is representative of the entire lot shall be used in the tests. The selected cartridges shall be thoroughly mixed before being divided into samples for the various tests. The combining of tests is permitted (see 6.4).

4.3.4.1 Firing defects and casualties. Firing defects and associated criteria shall be as specified in Table I. For the defect definitions, see AS12013566.

4.3.4.2 Unlisted firing defects. The lot shall be suspended and referred to the contracting officer for disposition, if a malfunction or casualty not covered by this specification occurring in any firing test, indicates that the product may be unsuitable for the purpose intended.

4.3.5 Packaging, packing and marking inspection. MIL-STD-644 shall be used as a guide for inspection of packaging, packing and marking as applicable to Dwg. 12013674.

4.3.6. Inspection equipment. Inspection equipment required to perform examinations and tests prescribed herein shall conform to the provisions of MIL-A-48078.

#### 4.4 Methods of inspection.

4.4.1 Projectile extraction. The method shall be as prescribed in AS12013566.

4.4.2 Propellant contamination. The propellant from each of the cartridges will be examined visually for the contamination, as prescribed in AS12013566.

4.4.3 Projectile torque. Each cartridge of the test sample shall be marked axially across the rotating band onto the case neck. Torque, to the specified requirement, shall be applied slowly to the projectile. Movement of the projectile with respect to the cartridge case detectable by misalignment in the scratch mark, shall be recorded.

4.4.4 Velocity, pressure, and waterproofness. The methods of tests shall be as Prescribed in AS12013566. A total of three barrels shall be utilized for EPVAT testing. Ten (10) rounds shall be fired through each barrel on day one. An additional ten (10), rounds shall be fired through each barrel on day two. The mean shall be summed for all groups. If these values fail to meet the applicable requirements, the lot shall be rejected. Statistics necessary for testing of results against acceptance criteria shall be computed (see 6.3). A correction factor of 0.19 mps per meter shall be applied to the recorded velocity at the measured range to obtain muzzle velocity. The waterproofness sample shall be fired from one test barrel only.

4.4.5 Dispersion. A total of three barrels shall be utilized for dispersion testing. Ten (10) rounds shall be fired through each barrel on day one. An additional ten (10) rounds shall be fired through each barrel on day two. No discards are allowed. All groups shall be pooled together for the final dispersion value. The measurements of targets shall be as prescribed in AS12013566. The range shall be 200 meters.

4.4.6 Action time. The method of test shall be as prescribed in AS12013566.

4.4.7 Function and casualty. The method of test shall be as prescribed in AS12013566. The test sample shall be assembled in belts and fired in bursts of 25 + 5 rounds in a 25mm gun at a rate of 200 ± 50 rounds per minute. The weapon barrel shall be at ambient temperature at beginning of test (see 4.3.4.1 and 4.3.4.2).

4.4.8 Projectile trace. The method of test shall be as prescribed in AS12013566. Visual observation or photographic witness of trace characteristics shall be made from suitable position(s).

4.4.9 Defective weapon. The test barrel shall be inspected prior to testing. No Mann Barrel which has had more than 5000 rounds fired through it should be used.

#### 4.5 In-process controls.

4.5.1 Propellant charge establishment. A total of thirty (30) cartridges shall be assembled with reference components and utilizing the selected propellant lot. Ten (10) cartridges each shall be loaded with the nominal propellant charge weight, ten (10) cartridges shall be loaded with one gram less than the nominal weight and ten (10) cartridges shall be loaded with one gram more than the nominal weight. After conditioning the samples at 21° ± 3°C for twelve (12) hours, the samples shall be tested for velocity, pressure and action time using the EPVAT procedures. The charge shall be selected that meets the specified requirements of 3.4, 3.5 and 3.8.

4.5.2 Uniformity of charge. Once the propellant charge has been established, a loading\charge machine shall be selected which has shown the best uniformity in charge weight during a production run. only one loading machine shall be used in the loading of the reference cartridges. Every thirty (30) minutes during the machine loading of the lot of reference cartridges, five (5) sample cartridges shall be taken from the machine and the propellant weight measured to the nearest  $\pm 0.1$  gram. Charge weight shall be maintained within  $\pm 0.1$  gram of the established charge weight.

4.5.3 Loading control. A quantity of 10 rounds shall be fired for pressure and velocity for each two hours of an eight hour shift to establish velocity and pressure values, and check the charge weight and uniformity of charge weight every hour. Once established, the charge weight shall remain constant throughout loading.

## 5. PACKAGING.

5.1 Packing, level A. Ammunition shall be packed in accordance with Dwg. 12013674.

5.2 Marking. Marking on the packed container shall be in accordance with MIL-STD-129, Dwg. 12013674, and CFR Title 49, as applicable.

## 6. NOTES

6.1 Intended use. The cartridges covered by this specification are intended for use as reference cartridges for calibration purposes in 25mm cartridge acceptance testing.

6.2 Acquisition requirements. See MIL-A-48078.

6.3 Computations. Standard deviation. Where computation of a sample standard deviation is specified for determination of lot acceptance, the method of computation will be:

$$s = \sqrt{\frac{\sum (X_i - \bar{X})^2}{(n - 1)}}$$

Where:  $X_i$  = each individual value  
 $\bar{X}$  = sample arithmetic mean  
 $n$  = sample size

6.4 Combining tests. In order to minimize testing costs, tests may be performed concurrently on the sample cartridges provided that the tests results are not affected by this procedure

6.5 Submission of inspection equipment designs for approval. Submit equipment designs as required to Commander ARDEC ATTN: AMSMS-QAF- (D) , Picatinny Arsenal, NJ 07806-5000. This address will be specified on the Contract Data Requirements Lists, DD Form 1423 in the contract. unless otherwise specified, data item DI-R-1714 will apply.

6.6 Submission of results of contractor conducted examinations and tests. Unless otherwise specified by the contracting officer, the contractor should forward requested records of examinations or tests to Commander, ARDEC ATTN: AMSMC-QAF-S (D), Picatinny Arsenal, NJ 07806-5000. This address will be specified on the contract Data Requirements Lists, DD Form 1423 in the contract. Unless otherwise specified, data item DI-R-1724 will apply.

6.7 Process deviation. A process deviation is defined as a change in the approved basic method of manufacture, or an operational change which alters the metallurgical or physical properties of the item.

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

6.11 Subject term (key word) listing.

Reference cartridge, 25mm, Armor Piercing Discarding Sabot  
waterproofness  
Small Arms Ammunition

Custodian:  
Army-AR

Preparing activity  
Army -AR

(Project 1305 -AC94)

**INSTRUCTIONS:** In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (*DO NOT STAPLE*), and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

**NOTE:** This form may not be used to request copies of documents, nor to request 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.

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DEPARTMENT OF THE ARMY



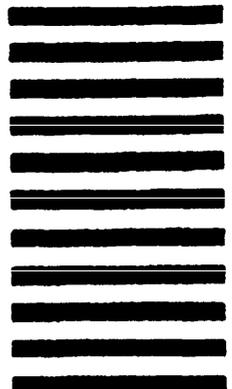
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Picatinny Arsenal, NJ 07806-5000



# STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER  
MIL-C-70784 (AR)

2. DOCUMENT TITLE

3a. NAME OF SUBMITTING ORGANIZATION

4. TYPE OF ORGANIZATION (Mark one)

VENDOR

USER

MANUFACTURER

OTHER (Specify): \_\_\_\_\_

b. ADDRESS (Street, City, State, ZIP Code)

## 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)