

MIL-C-46552C  
7 MAY 1976  
SUPERSEDING  
MIL-C-46552B  
16 MAY 1969

## MILITARY SPECIFICATION

### CARTRIDGE , 20MM, TARGET PRACTICE, M55A2

This specification is approved for use by all Departments and Agencies of the Department of Defense.

#### 1. SCOPE

1.1 This specification covers one type of electric primed cartridge for use in Guns, 20mm, Automatic. (see 6.1).

#### 2. APPLICABLE DOCUMENTS

2.1 The following documents of the issue in effect on date of invitation for bid or request for proposal, form a part of the specification to the extent specified herein.

#### SPECIFICATIONS .

##### MILITARY

MIL-A-2550 - Ammunition, General Specification for

#### STANDARDS

##### MILITARY

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes  
MIL-STD-109 - Quality Assurance Terms and Definitions  
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 Standard for 20mm Ammunition and Components  
MIL-STD-1168 - Ammunition Lot Numbering  
MIL-STD-1235 - Single and Multilevel Continuous Sampling **Procedures** and Tables for Inspection by Attributes

MIL-C-46552C

## DRAWINGS

## ARMAMENT COMMAND

- D7258817 - Cartridge, 20mm, Target Practice, M55A2
- D7258928 - Marking on Shipping and Storage Container, M548 for 20mm Cartridges
- F7258941 - Method of Packing 100 Cartridges, 20mm, with M103 Type Case, in Bulk, In M548 Container
- F7258942 - Method of Packing 200 Cartridges, 20mm, with M103 Type Case, in Bulk, in M548 Container
- F7258968 - Method of Packing 100 Cartridges, 20mm, in M12 Type Links, in M548 Container
- F7258969 - Method of Packing 100 Cartridges, 20mm, in M14 Type Links, in M548 Container
- F7258970 - Method of Packing 100 Cartridges, 20mm, in M17 Type Links, in M548 Container
- LI 7259626 - Index of Inspection Equipment Lists for: Cartridge, 20mm, Target Practice, M55A2
- D7259237 - Marking on Shipping and Storage Containers M548 for Cartridges, 20mm, Linked (Functional)

## PUBLICATIONS

## U. S. ARMY MATERIEL COMMAND

- AMCR 715-505 - Ammunition Ballistics Acceptance Test Methods. Volume 8, Test Procedures for 20mm Cartridges

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

## 3. REQUIREMENTS

3.1 General.-The cartridge shall comply **with** Drawing (Dwg.) D7258817, referenced specifications, and other requirement specified herein.

3.2 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 his prior approval. (see 6.4)

3.3 First article sample.-Unless otherwise directed by the contracting officer, a first article sample shall be required.

3.4 Projectile extraction.-The force necessary to extract the projectile from the cartridge case shall be as specified on Dwg. D7258817.

3.5 Electrical resistance, primed case. The electrical resistance of the primed case shall not be less than 500 ohms or more than 1,200,000 ohms.

3.6 Projectile torque .-The projectile shall withstand a minimum torque as specified on Dwg. D7258817.

3.7 Velocity .-The average velocity of the sample cartridges conditioned at 68 degrees Fahrenheit (°F) to 72°F shall be 3380 ± 50 feet per second (fps) at 78 feet from the gun muzzle and the sample standard deviation shall not exceed 40 fps.

3.8 Pressure .-The average chamber pressure (X) of the sample **cartridges**, conditioned at 68°F to 72°F, plus 0.84 times the average range (R) of the chamber pressure shall not exceed 60,500 pounds per square inch (psi).

3.9 Waterproofness .-The average velocity (wet) of projectiles of the sample cartridge conditioned at 68°F to 72°F shall not vary from the average velocity (dry) by more than 100 fps.

3.10 Accuracy .-The average mean radius of all targets resulting from sample cartridges fired at ambient temperature shall not exceed 15 inches at a range of 600 yards.

3.11 Action time .-The action time of the sample cartridges conditioned at -65°F shall not exceed 4.0 milliseconds.

3.12 Function and casualty .-The **cartridge**, at ambient temperature, shall function without casualty.

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

3.13.1 Process defects .-The cartridge shall be free of defects such as folds, wrinkles, buckles, **cracks**, splits, severe scratches, cuts, dents, perforations, and other fores of substandard workmanship.

3.13.2 Cleanliness .-The cartridge and its components shall be free of all foreign matter. (see 6.8)

#### 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 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. 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 service conform to prescribed requirements.

MIL-C 46552C

4.1.1 Quality assurance terms and definitions. Reference shall be made to MIL-STD-109 for definition of quality assurance terms.

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

1. First article inspection (see 4.3) .
2. Quality conformance inspection (see 4.4).

4.3 First article inspection.

4.3.1 First article sample.-The sample shall consist of 580 cartridges and shall be delivered for inspection in accordance with the first article approval **provisions** of the contract and MIL-A-2550. Identification shall be in accordance with MIL-STD-1168.

4.3.1.1 Inspection.-The first article sample will be subjected to the quality conformance inspection provisions as stated herein, except that approval will be based upon the examination of the complete sample for visual and dimensional characteristics and the initial test sample in accordance with Table I. (see 6 .3)

4.4 Quality conformance inspection.

4.4.1 Submission of product.-The product shall be submitted in accordance with MIL-STD-105 or MIL-STD-1235, as applicable.

4.4.1.1 Lot.-A lot shall **consist** of:

a. Cartridges loaded by one manufacturer, in one unchanged process, in accordance with the same drawings and drawing revisions, and same specification and specification revision.

b. Like parts. and assemblies (cases; primers; projectiles) having one manufacturer's symbol and one interfix number.

c. Propellant from one lot.

4.4.1.2 Lot identification.-Each cartridge and each packed ammunition lot shall be identified in accordance with applicable drawings and MIL-STD-1168. Each packed lot shall be further **identified** by 1 national stock number **assigned** by the procuring activity.

4.4.2 Examination. -One hundred percent examination shall be performed by the contractor for all critical defects. examination for major and minor defects shall be performed as specified herein. Any cartridge found to be defective shall be rejected.

4.4.2.1 Primed cartridge cases.-Each primed cartridge case shall be tested by the contractor for electrical resistance subsequent to primer crimping and waterproofing, using the method of 4.5.2.1. Primed cases which fail to meet the requirements of 3.5 shall be rejected.

MIL-C-46552C

4.4.2.2 Sampling and acceptance criteria.-The sampling plans and procedures shall be in accordance with MIL-STD-105 or MIL-STD-1235. To determine product acceptability, major or minor defects as listed herein may be considered collectively on a class basis or they may be considered individually. However, where major defects are considered Collectively on a class basis, the acceptance number for any individual defect of the class shall be limited by the assigned Acceptable Quality Level (AQL) for individual defect associated with the class. (see 4.4.2.2.1.c) In addition, where MIL-STD-1235 is used, sampling plans applicable to a class shall not be used for major defects. (see 6.5)

4.4.2.2.1 AQL's.-The following AQL's are assigned to major and minor defects:

a. Individual:

Major -----	0.25%
Minor -----	0.40%

b. Class basis:

Major -----	1.50%
Minor -----	2.50%

c. Individual defects associated with the class basic:

<b>Major</b> -----	0.402
--------------------	-------

4.4.3 Classification of defects 1/.-The classification of defects shall be as follows:

4.4.3.1 Cartridge assembly (see Dwg. D7258817).

<u>Category and Defects</u>	<u>Method of Inspection</u>
<u>Critical:</u>	
1. Split or <b>perforated</b> case -----	Visual
2. Crimp missing (case-projectile).-----	Visual
<u>Major:</u>	
101. Loose primer -----	Visual
102. Depth of primer Seating -----	Gage
103. Over-all length, max. -----	Gage
104. Improper or incomplete crimp (case-projectile)-----	Visual
105. Refile and alignment, max. -----	Gage
106. Corrosion -----	Visual
107. Head configuration -----	Visual
108. Metal <b>sliver(s)</b> on head face -----	Visual
109. Length, case head to centerline crimp -----	Gage
110. Waterproofing missing around primer -----	Visual

2/

MIL-C-46552C

## 4.4.3.1 (Cont)

Minor:

201.	Marking incorrect, incomplete, illegible or missing ---	Visual
202.	-Projectile protective coating damaged or Incomplete ---	Visual
203.	Scratch, dent, buckle, bulge, wrinkle or fold in case -	Visual
204.	Rotating band damaged -----	Visual
205.	Primer crimp missing -----	Visual
206.	Foreign matter, except corrosion -----	Visual
207.	Incorrect type cartridge	Visual
208.	Upset (crooked) or deformed nose -----	Visual
209.	Lacquer on primer button -----	Visual

1/ MIL-STD-651 shall apply In defining and evaluating cartridge visual defects.

2/ A dead weight load of 60 pounds maximum may be used to insert the cartridge in the gage.

4.4.4 Tests.—The tests listed in Table I shall be performed on each cartridge lot in accordance with the test methods prescribed in 4.5. 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. (ace 6.6)

Table I

<u>Test 1/</u>		<u>Sample Size Production Lot</u>	<u>Rqmt Para</u>
Projectile extraction	<u>2/</u>	20	3.4
Electrical resistance verification	<u>3/</u>	20	3.5
Propellant contamination	<u>4/</u>	20	3.13.2
Projectile torque.	<u>5/</u>	20	3.6
Velocity	<u>6/</u>	20	3.7
Pressure	<u>7/</u>	20	3.8
Waterproofness	<u>8/</u>	20	3.9
Accuracy	<u>9/</u>	40	3.10
Action time	<u>10/</u>		3.11
-65°F temperature		50	
Function and casualty	<u>11/</u>	400	3.12

1/ The lot shall be rejected if in any firing test, one or more of the following malfunctions or casualties of Table II occur:

- a. Misfire associated with e or f of Table II, Note 2/.
- b. Projectile remaining in bore.
- c. Metal parts separation, except rotating band separation (see Note 6/, Table II),

Except as otherwise specified and in the function and casualty test where the occurrence of a firing defect listed in Table II prevents the obtaining of a reliable result for the characteristic being tested, an **additional** shot shall be fired.

2/ Projectile extraction.

a. Failure of two or more sample cartridges to comply with the minimum requirement shall cause rejection of the lot. If one cartridge of the sample fails to comply with the minimum requirement, a second sample of 20 cartridges shall be tested. The lot shall be rejected if 2 or more cartridges of the combined sample fail to comply with the minimum requirement.

b. Failure of 4 or more cartridges to comply with the **maximum** requirement shall cause rejection of the lot. If more than 1 but less than 4 cartridges fail to comply with the maximum requirement, a second sample of 20 cartridge shall be tested. The lot **shall** be rejected if 5 or more cartridges of the combined sample fail to comply with the maximum requirement.

3/ Electrical resistance verification.-The lot shall be rejected if any primer of the sample cartridges fails to comply with either of the primer **resistance** requirements.

4/ Propellant contamination.-The presence of foreign matter in the propellant of any of the test cartridges shall cause rejection of the lot. (see 3.13.2 and 6.8)

5/ Projectile torque.-Failure of 2 or more of the sample cartridges to comply with the **specified** torque requirement shall cause rejection of the lot. If 1 cartridge of the sample fails to comply, a second sample of 20 cartridges shall be tested. The lot shall be rejected if 2 or more cartridges of the combined sample fail to comply with the applicable requirement.

MIL-C-46552C

6/ Velocity.-If the sample fails to comply with either or both requirements, a retest sample of 80 cartridges shall be tested for the failing parameter(s) (average, sample standard deviation). The lot shall be rejected if the retest sample fails to comply with the applicable requirements. (see 6.7.1)

7/ Pressure.-If the average pressure (X) plus 0.84 times the average range (R) of the sample **cartridges** exceeds 60,500 psi, a retest sample of 40 cartridges shall be tested. The lot shall be rejected if the average pressure (X) plus 0.91 times the average range (R) of the retest sample exceeds 60,500 psi. (see 6.7.2)

8/ Waterproofness.-If the average velocity (wet) of the sample fails to comply with the applicable requirement, a retest sample of 40 cartridges shall be tested. The lot shall be rejected if the average velocity (wet) differs by more than 100 fps from the average velocity (dry) of 40 additional sample cartridges fired to establish a new base for comparison. The lot shall not be penalized for failure of the last named sample cartridges to comply with the requirement of 3.7.

9/ Accuracy.-If the average mean radius of the sample cartridges exceeds the applicable requirement, a second sample of 80 cartridges shall be tested. The lot shall be rejected if the average mean radius of 8 accuracy targets exceeds the requirement.

10/ Action time.-For acceptance, each cartridge of the test **sample** shall exhibit an action time not exceeding 4 milliseconds (0.004 second) and the sample average action time (X) plus 4 sample standard deviations (S) shall not exceed 4 milliseconds.

11/ Function and casualty **.-The** lot shall be rejected if any malfunction or firing casualty of Table II occurs in number(s) equal to or greater than the applicable "Rej" number. Except as **otherwise** provided, if malfunctions or casualties occur in excess of the applicable "Ace" number, but less than the applicable "Rej" number, a second sample of 800 cartridges shall be divided and fired in equal numbers in the M39 and M61 guns. The lot shall be rejected if in the combined samples, malfunctions or casualties occur in numbers equal to or greater than the applicable "Rej" number.

4.4.4.1 Firing defects.-Firing defects and associated criteria shall be as specified in Table II. For defect definitions, see AMCR 715-505, Volume 8.



## 4.4.4.1 (Cont)

Table 1I

<u>Firing Casualties</u>	<u>Acc</u>	<u>Rej</u>
<b>Cartridge:</b>		
Fire "out of battery", M61 gun <u>1/</u> -----	0	1
Misfire <u>2/</u> -----	-	-
Failure to chamber -----	0	1
Failure to extract -----	0	1
Projectile remaining in bore -----	0	1
<b>Primer:</b>		
Missing primer or button missing from primer -----	0	2
Primer leak -----	15	40
<b>Case:</b>		
Longitudinal split <u>3/</u>		
I or S -----	10	31
J -----	4	11
K -----	0	2
L or M -----	0	1
Circumferential rupture, partial <u>3/</u>		
S, J or K -----	4	11
L -----	0	1
Circumferential rupture, complete <u>3/</u> -----	0	1
Detached metal <u>4/</u> -----	0	1
<b>Projectile:</b>		
Rotating band separation <u>5/</u>		
Complete or partial separation having band seat serration imprint -----	0	3
Separation having length greater than 0.5 inch, and without band seat serration imprint -----	1	6
Metal parts separation, except rotating band separation <u>6/</u> -----	0	1

1/ A cartridge shall be classed defective if it fires, due to delayed ignition, after the bolt has been unlocked and extraction has been initiated or completed.

MIL-C-46552C

2/ Misfiring rifle cartridges, excepting those from the waterproofness test (Table I), shall be rejected in accordance with the method of 4.5.9. If a cartridge fails to function in that test, examinations shall be conducted for the following conditions:

- a. Excessive primer seating depth.
- b. Metal slivers across primer insulator.
- c. Electrical continuity.
- d. **Missing** or obstructed case vent.
- e. Missing o-c insufficient primer composition or propellant.
- f. Partially burned or contaminated primer composition or propellant.

The lot shall not be **penalized** if condition a is observed. **However**, this condition shall be reported for information. The "Acc" number shall be Zero (0) and the "Rej" number 3, for misfires associated with conditions b, c, or d. The second sample for evaluation of misfires associated with conditions b, c, or d shall consist of the function and casualty second sample (see Table I, Note 11/). The lot shall be rejected if either condition e or f is observed. Misfire(s) occurring in the waterproofness test **shall** be handled in accordance with AMCR 715-505, Volume 8.

3/ See Dwg. 07258801, a detail of LI 7259626, 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 II for the areas involved, shall apply. If a rupture results in separation of the cartridge case into two or more portions, the defect shall be classed as a complete circumferential rupture.

4/ 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.

5/ For classification as a defect, there must be evidence either by recovery of the band, or portion thereof, or by hole(s) in the fragmentation screen(s). The lot shall not be penalized for normal band fringing, or the separation of band fragments having no evidence of band seat serration imprint and having length of 0.5 inch or less.

6/ Separation or breakup of projectile part(s), except **rotating** band separation, as evidenced by recovery of the part(s) or fragment(s), or hole(s) in the fragmentation screen(s), shall be classed 1 s 1 defect.

4.4.4.2 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 is unsuited for the purpose Intended.

4.4.5 Packaging, packing and marking inspection.-Inspection for packaging, packing and marking shall be in accordance with MIL-STD-644, as applicable.

4.4.6 Inspection equipment.-Index of Inspection Equipment List (LI) 7259626 identifies the applicable Inspection Equipment Lists (IEL) required to perform examination and tests prescribed herein. Equipment design(s) shall be in accordance with the applicable IEL code designations. The code designations are defined on Dwg. B11075228, a detail of LI 7259626. The provisions of MIL-A-2550 shall apply.

1

4.5 Test methods and procedures.

4.5.1 Projectile extraction.-The method of test shall be as specified in AMCR 715-505, Volume 8.

4.5.2 Electrical resistance.

4.5.2.1 Primed cartridge cases.-The equipment and circuitry specified in LI 7259626 shall be used to measure the resistance of the primer in each primed cartridge case.

4.5.2.2 Verification.-A Simpson Volt-Ohm-Ammeter, Model 260, or approved equal, will be used to measure the resistance of the primer in each primed cartridge case from the projectile extraction test sample. Only the RX 100 and RX 10,000 scales of the meter will be used in order to limit the applied voltage and current, respectively, to 7.5 volts and 1.4 milliamperes maximum.

4.5.3 Propellant contamination.-The propellant from each of the cartridge tested for projectile extraction will be examined visually for contamination, as specified in AMCR 715-505, Volume 8.

4.5.4 Projectile torque.-Each cartridge of the test sample shall be marked with a light scratch **extending** axially across the rotating band onto the case neck. Torque as **specified** in 3.6 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.

4.5.5 Velocity, Pressure and Waterproofness.-The methods of test shall be as specified in AMCR 15-505, Volume 8. Statistics necessary for testing of results against acceptance criteria shall be computed. (see 6.7)

4.5.6 Accuracy.-The method of test and measurement of targets shall be as specified in AMCR 715-505, Volume 8. The specified range may be shortened in decrements of 100 yards, to a minimum range of 200 yards. For ranges less than 600 yards the average mean radius shall be reduced in direct proportion to the reduction in range.

MIL-C-46552C

4.5.7 Action time.-The action of the test shall be as specified in AMCR 715-505, volume 8. Statistics necessary for testing of results against the acceptance criterion shall be computed. (see 6.7.1) The test cartridges shall be conditioned at  $-65^{\circ}\text{F}$  for a period of not less than four hours after the conditioning chamber has stabilized at  $-65^{\circ}\text{F} \pm 5^{\circ}\text{F}$ . Timing for the conditioning period shall start after the chamber has stabilized following the sample being placed in the conditioning chamber.

4.5.8 Function and casualty.-The method of test shall be as specified in AMCR 715-505, Volume 8. The test sample shall be fired in bursts of 50 cartridges and **shall** be divided and fired in equal numbers in the M39 and M61 weapons. The weapon barrel(s) shall be at ambient temperature at the beginning of test and cooled to ambient after each 100 rounds. The cyclic rate of each burst shall not be less than 1400 shots per minute (spm) in the M39 gun and 5500 spm in the M61 gun. The cyclic rate for each burst shall be recorded.

4.5.9 Misfires.-Misfiring cartridges shall be retested in the test equipment specified in the IEL for the accuracy test. Results of examinations required by Table II shall be recorded.

4.5.10 Defective weapon.-If a test weapon fails to comply with the minimum cyclic rate during a normal burst operation or is found to be defective during or at the end of burst the test shall be suspended. **The** weapon shall be corrected or replaced and the test repeated in whole or in part, as indicated. Any firing defect that occurred shall be valid for lot penalty in accordance with Table II unless the defect is found to have been caused by the defective weapon.

## 5. PREPARATION FOR DELIVERY

5.1 Packing, Level A.-The type of ammunition pack shall be in accordance with instructions from the procuring activity. Linked ammunition shall be packed in accordance with Dwg. F7258968, F7258969, or F7258970. Bulk ammunition shall be packed in accordance with Dwg. F7258941 or F7258942.

5.2 Marking.-Marking on the packed shipping and storage container shall be in accordance with Dwg. D7258928 or D7259237, as applicable.

## 6. NOTES

6.1 Intended use.-These **cartridges** are intended for use in the various automatic weapon systems which are chambered to utilize electric primed cartridges with the M103 type case configuration.

6.2 Ordering data. -Procurement documents should specify the following:

6.2.1 Title, number and date of this specification.

6.2.2 Place of inspection, if not at place of manufacture.

6.2.3 First article sample requirements. (see 3.3, 4.3 and 6.3)

6.2.4 Detailed packing and marking instructions. (see 5.1 and 5.2)

6.2.5 Provision for the supply, maintenance and disposition of Government furnished test equipment for acceptance Inspection purposes.

6.2.6 Provision for submission and approval of the manufacturing process.

6.2.7 Instructions for the shipment of first article lot sample for firing test.

6.2.8 -Provisions for the inclusion of MIL-STD-1167, Ammunition Data Cards on DD form 1423, Contract Data Requirements List.

6.3 First article sample.-In order to minimize inspection costs, the firing tests of 4.4.4 will be performed after the sample has been provisionally accepted by the Government for all other requirements. Additional cartridges may be required by the test facility.

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

6.5 AQL's.-The optional use of AQL values for either individual defects or classes of defects, with individual major defect limitation, is intended to minimize inspection agency administrative burden which might result from an exclusive assignment of individual defect AQL's. The option also permits flexibility where sampling inspection for acceptance is integrated into the manufacturing process.

6.6 Combining tests.-With approval of the procuring activity, tests may be performed concurrently on the same sample cartridges provided that the test results are not affected by this procedure. The test facility should make maximum use of this procedure to minimize testing costs.

6.7 Computations.

MIL-C-46552C

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

$$s = \sqrt{\frac{\sum (X_i - \bar{X})^2}{n}} \quad \text{or equivalent.}$$

6.7.2 Range plan. -Where a range plan is specified, the individual values will be recorded in subgroups of 5 in the order in which they are observed. The ranges for the subgroups will be added and the sum of the ranges will be divided by the number of subgroups to determine the average range (R).

6.8 Contamination of explosive components .-Particular care should be exercised to avoid contamination of primers and propellant by oil, grease, or other foreign matter since such contamination can cause misfire(s) or increase action time to make the ammunition unsuitable for use.

6.9 International agreement. -Certain provisions of this specification are the subject of international standardization agreement STANAG 3585. When amendment, revision or cancellation of the specification is proposed which will affect or violate the international agreement concerned, the preparing activity will take appropriate reconciliation action through international standardization channels including departmental standardization offices, if required.

NOTE: Asterisks are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

Custodians:

Army-MU  
Air Force - 70

## Preparing Activity:

Army-MU

Review Activities:

Army-MU  
Air Force - 70

Project No. 1305-0785

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL		OMB Approval No. 22-k255
<p><b>INSTRUCTIONS:</b> The purpose of this form is to solicit beneficial comments which will help achieve procurement of suitable products at reasonable cost and minimum delay, or will otherwise enhance use of the document. DoD contractors, government activities, or manufacturers/vendors who are prospective suppliers of the product are invited to submit comments to the government. Fold on lines on reverse side, staple in corner, and send to preparing activity. 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. 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.</p>		
DOCUMENT IDENTIFIER AND TITLE		
MIL-8-46552C, Cartridge, 20MM, Target Practice, M55A2		
NAME OF ORGANIZATION AND ADDRESS		CONTRACT NUMBER
		MATERIAL PROCURED UNDER A
		<input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT
1. HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?		
A. GIVE PARAGRAPH NUMBER AND WORDING.		
B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES		
2. COMMENTS ON ANY DOCUMENT REQUIREMENT CONSIDERED TOO RIGID		
3. IS THE DOCUMENT RESTRICTIVE?		
<input type="checkbox"/> YES <input type="checkbox"/> NO (If "Yes", in what way?)		
4. REMARKS		
SUBMITTED BY (Printed or typed name and address - Optional)		TELEPHONE NO.
		DATE

FOLD

---

POSTAGE AND FEES PAID  
DEPARTMENT OF THE ARMY  
DOD - 314



**OFFICIAL BUSINESS**  
PENALTY FOR PRIVATE USE \$300

Commander  
Frankford Arsenal  
ATTN: SARFA-MDM  
Phila., PA 19137

---

FOLD