

DEPARTMENT OF THE ARMY SUPPLY BULLETIN

IGNITER, DOCUMENT DESTROYER, INCENDIARY, M25
AMMUNITION SURVEILLANCE PROCEDURE

Headquarters, Department of the Army, Washington, D.C.
10 August 1972

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1. Purpose and Scope. a. *Purpose.* This bulletin used in conjunction with SB 742-1 provides the method for determining the serviceability of Igniter, Document Destroyer, Incendiary, M25.

b. *Scope.* The provisions of this bulletin are mandatory for use in conducting surveillance on Igniter, Document Destroyer, Incendiary, M25. This bulletin is not intended for use by organizations with stocks in basic loads, however; the criteria in this bulletin may be used at the discretion of the local commander.

2. Applicable Documents. The following Government documents referenced herein form a part of this bulletin to the extent specified:

- SB 742-1 Ammunition Surveillance and Quality Evaluation Procedures.
- TM 8-250..... Storage, Shipment, and Handling of Chemical Agents and hazardous Chemicals.
- TM 38-750..... The Army Maintenance Management System.
- TM 9-1300-206..... Care, Handling, Preservation, and Destruction of Ammunition.

3. Safety Procedures. The surveillance inspection and function testing must be conducted in accordance with the provisions set forth in appropriate

safety regulations and implementing instructions, with special attention devoted to technical manuals describing the material and approved standing operating procedures.

4. Surveillance. a. *Surveillance Interval.*

(1) *Initial Receipt and Prestorage Inspection.* Initial receipt and prestorage inspection will be conducted in accordance with SB 742-1.

(2) *Periodic Cycle.* Surveillance will be performed at periodic [cycles of two years.

(3) *Preissue Inspection.* Preissue inspection of the subject item will be performed in accordance with SB 742-1 and the provisions of paragraphs 5 and 6 when one half or less of the periodic cycle remains.

b. *Basis of Surveillance.* Surveillance for the subject item will be conducted on the basis of manufacturer's or miscellaneous lots.

c. *Formation of Surveillance Lots.*

(1) *Manufacturer's Lot.* A manufacturer's lot consists of those items manufactured or assembled by one manufacturing or reconditioning activity and bearing the same manufacturing or reconditioning agency's lot identification number.

* This bulletin supersedes SB 3-30-75, 1 May 1964.

(a) *Packing.* All items must have the same type packing and identification marking.

(b) *Storage.* All items must be stored under similar conditions at the same depot.

(c) *Serviceability Lot Status.* All lots must possess the same serviceability lot status; i.e., serviceability known (based upon prior surveillance) or serviceability unknown. However, when new procurement is involved, serviceability will be based upon acceptance inspection in lieu of prior surveillance.

(2) *Miscellaneous Lot.* A miscellaneous lot containing not more than 1,000 items, will be created by combining small manufacturer's lots or lot fragments possessing the same technical history; i.e., manufactured by the same technical procedure (indicated by the same lot series number)

(a) *Kind, Type and Model.* All items must be of the same kind, type and model; i.e., Igniter, Document Destroyer, Incendiary, M25.

(b) *Manufacturer.* Each small lot or lot fragment must be the product of the same manufacturing or reconditioning agency.

(c) *Time of Fabrication.* All items must have been manufactured, fabricated, or reconditioned within a period of two years.

(d) *Packing.* All items must have the same type packing and identification marking.

(e) *Storage.* All items must be stored under similar conditions at the same depot.

(f) *Serviceability Lot Status.* All items must possess the same serviceability lot status; i.e., serviceability known (based upon prior surveillance) or serviceability unknown. However, when new procurement is involved, serviceability will be based upon acceptance inspection in lieu of prior surveillance.

d. *Sampling.* Sampling will be conducted as follows:

(1) *Containers.* A sample quantity of containers will be randomly selected as indicated in table 1 and a visual examination will be performed for packaging, packing, marking and preservation as specified in SB 742-1

(2) *End Item.* A sample quantity of Igniters, Incendiary, M25 will be randomly selected as indicated in table 1 and subjected to a visual examination. In addition, the sample will be subjected to the test(s) specified in paragraph 6.

(3) *Second sample size.* When the number of major defectives exceeds the quantity specified in column 2, but does not exceed the quantity speci-

Table 1. Sampling Plan

Lot Size	1	2	3	4	5	6	7	8	9
Up to 100	23	0	2	*				23	0
101 to 500	23	0	2	23	46	1	7	23	0
501 to 1000	38	1	5	38	76	2	13	23	0
1001 to 5000	51	2	8	51	102	3	18	23	0
5001 and over	65	3	11	65	130	4	22	23	0

Explanation of columns and symbols:

- 1 First sample size-visual.
 - 2 Acceptance number-major defective (first sample)
 - 3 Acceptance number-minor defects (first sample).
 - 4 Second sample size-visual.
 - 5 Combined sample size-visual
 - 6 Acceptance number-major defectives (combined samples).
 - 7 Acceptance number-minor defects (combined samples).
 - 8 Sample size-test.
 - 9 Acceptance number-test
- *No second sample allowed.

filled in column 6, a second sample equal in size to that specified in column 4, will be taken, and the acceptance number specified in column 6 will be used for acceptance. A second sample is never taken for minor defectives alone. When the number of minor defectives exceeds that of column 3, but does not exceed that of column 7 the lot will be considered serviceable. However, should a second sample be required due to major defectives, the minor defectives will be counted and reported in accordance with paragraph 7. Column 7 will be the acceptance number for minor defectives.

(4) *Combined sample size.* When the surveillance interval has been exceeded, or when the approximate date of the last inspection is unknown, the combined sample plan specified in columns 4, 5 and 7 will be used. The combined sample plan may also be used when additional assurance of quality is desired, e.g., after rework of an item where component quality is unknown.

(5) *Critical defects.* When examination or testing of an item reveals a critical defect, the lot represented will be declared unserviceable. Lots containing a functional critical defect will be immediately suspended from issue and use.

(6) *Visual examination.* Only a visual examination of packing for a new or reprocessed unit upon receipt at a depot storage area is required. If used units are received unprocessed at a storage area, a complete visual and functional examination shall be performed in accordance with their instructions contained in this bulletin when reprocessing and repacking.

e. *Testing.* Overseas commands and installations other than depots need hot perform the test(s) specified in paragraph 6. Depots that do not possess testing and/or laboratory facilities will request instructions for testing to the Commanding Officer, Edgewood Arsenal, ATTN:SMUEA-PA-QW, Edgewood Arsenal, MD 21010.

5. Inspection.

WARNING

The fuel chamber of the igniter is filled with thickened kerosene, a highly flammable fuel. Should leaking igniters be encountered during visual examination immediately place the leaking igniter in a leakproof container, remove to a safe location and dispose of as specified in approved standing operating procedures.

- a. *Visual examination.* The sample will be examined for defects listed in 5b and SB 742-1.
- b. *Classification of defects.* Refer to table 2 and SB 742-1 for classification of defects. Defects other than those listed in this table 2 and SB 742-1 will be reported. Serviceability will be withheld pending investigation by the Commanding Officer, Edgewood Arsenal, ATTN: SMUEAPA-PQ, Edgewood Arsenal, MD 21010 to determine proper defect category into which the unlisted defect belongs.
- c. *Packaging, Packing, Marking, and Preservation.* See SB 742-1.

Table 2. Igniter, Document Destroyer, Incendiary, M25

Categories	Defects	Inspection methods
Critical:		
1	Safety pin missing	Visual
2	Safety pin not spread	Visual
Others	See SB 742-1	Visual
Major:		
101	Tape missing	Visual
102	Tape loose-does not seal	
holes		Visual
103	Fuel Chamber leakage	Visual
Others	See SB 742-1	
Minor:	See SB 742-1	

6. Functional Test.

WARNING

Due to the burning characteristic of the igniter, this test must be conducted in a well ventilated area away from all explosives, combustible fumes, or combustible material. When possible the test should be conducted at an open air test site. Adequate fire fighting equipment must be readily available. Personnel functioning the igniter or examining the burned residue should wear asbestos gloves. When a dud occurs a waiting period of not less than fifteen (15) minutes will be

observed before recovery. The item will be placed in a safe location and disposed of as specified in approved standing operating procedures.

- a. *Requirements.* The igniter, excluding the metal parts, shall completely burn when tested.
- b. *Equipment required.* No special equipment required.
- c. *Procedure.* Assure that the igniter safety pin is in place, then remove the tape from the safety lever and the vent holes. Place the igniter in a suitable holding fixture within a nonflammable enclosure. Attach a lanyard to the safety pin and remotely function the igniter by pulling the lanyard. After burning is complete allow five minutes for cooling, then examine residue for completeness of burning.

7. Documentation. a. *Report forms.* When reporting data, the following forms will be used:

- DA Form 984 -Munitions Surveillance Report (See SB 742-1)
- DA Form 985 -Data Sheet for Grand Lots, Miscellaneous Lots or Depot Lots. (See SB742-1)
- DA Form 2415-Ammunition Condition Report.
- DA Form 2028-Recommended Changes to DA Publications.

b. *Reporting.*

- (1) *Data.* When reporting data, forms specified in 7a will be prepared in accordance with instructions contained in SB 742-1 and TM 38-750.
- (2) *Submission.* Original and two copies of the reports that are required by this document will be forwarded to the Commanding General, US Army Ammunition Procurement and Supply Agency, ATTN: SMUAP-PA-SN, Joliet, IL 60436.
- (3) *Critical defects report.* When a critical defect is found, it will be reported immediately to the Commanding General, US Army Ammunition Procurement and Supply Agency, ATTN: SMUAP-PA-S, Joliet, IL 60436. The incident will be reported via teletype, telephone, or letter stating the nomenclature, the lot number of the item involved and the defect encountered.

8. Special Instruction. a. Equipment calibration. Prior to an inspection operation or test, all measuring devices that require calibration will be inspected to verify that the calibration interval and equipment limits have not been exceeded.

b. Upon completion of inspection, serviceable igniters shall be repackaged in serviceable containers and then resealed in accordance with instructions for resealing hermetically sealed containers. SB 742-1.

c. Errors or omissions. Comments regarding errors or omissions will be forwarded on DA Form 2028 to Commanding Officer, Edgewood Arsenal, ATTN: SMUEA-PA-PQ, Edgewood Ar-

senal, MD 21010 and an information copy to the Commanding General, US Army Ammunition Procurement and Supply Agency, ATTN: SMUAP-PA-S, Joliet, IL 60436.

By Order of the Secretary of the Army:

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