DEPARTMENT OF THE ARMY SUPPLY BULLETIN

Ammunition Surveillance Procedure
for
FILE DESTROYER, INCENDIARY, ABC-M4

Headquarters, Department of the Army, Washington, D.C.
31 July 1973

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1. **Purpose and Scope**. a Purpose This bulletin, when used in conjuctlon with supply bulletin SB 742-1, provides the method of determining the servlceablllty of the File Destroyer Incendiary, ABCM4

b. *Scope* The provisions of this bulletin are mandatory for use in conducting surveillance on the File Destroyer, Incendiary, ABC-M4, FSN 1375-219-8564 (M610) This bulletin is not intended for use by organizations with stocks in basic loads

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

a. *Supply Bulletin*
SB 742-1 Ammunition Surveillance Procedures

b. *Technical Manuals* FM 38-750 The Army Maintenance Management System (TAMMS)
TM 9-1300-206 Care, Handling, Preservation and Destructioii of Ammunition

c. *Technical Bulletin.*
Tti CML 110 --File Destroyer, Incendiarv, ABC-M4

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

4. **Surveillance**. a Survueillance 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 one year

(3) *Pressure inspection* Pressure Inspection of the subject item will be performed In accordance with SB 742-1 and the provisions of paragraphs 5 and 6 of this bulletin when one half or less of the periodic cycle remains A visual examination will be performed (in accordance with paragraph 5 of this bulletin) on the subject item if more than one half of the periodic cycle remains prior to shipment of the item Items for which the date of the last surveillance is unknown or the periodic cycle has been exceeded will be inspected in accordance with this

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

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. *Serviceabilitv lot status* All lots must possess the same servlceability lot status, i e, servlceability known (based upon prior surveillance) or

*This bulletin supersedes SB 3-1375-2. 17 November 1969

serviceability unknown. However, when new procurement is involved, servlceability will be based upon acceptance inspection in lieu of prior sur- veillance

(2) Miscellaneous lot A miscellaneous lot con- tamining not more than 100 items, will be created by combining small manufacturer's lots or lot fragments possessing the same technical history, 1 e, manufactured by the same technical procedure (in- dicated by the same lot series number)

(a) Kind, type, and model All items must be of the same kind, type, and model, i e, File Destroyer, Incendlary, ABC-M4

(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 12 months

(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) Serviceabillty 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 I, and a visual examination will be performed for packaging, packing, marking, and preservation as specified in SB 742-1

(2) End item From the sample obtamed in (1), above a sample quantity of file destroyers will be randomly selected as indicated in table I and sub- jected to a visual examination (table II)

(3) igniter box From the sample obtained in (2), above four (4) igniter boxes will be randomly selec- ted and subjected to the test specified in paragraph 6 below

Table I. Sampling Plan

Lot Size	1	2	3	4	5	6	7	8	9
Up to 50-	11	0	1					4	0
51 to 100	11	0	1	17	28	1	6	4	0
101 to 200	19	]	3	14	33	2	8	4	0
201 to 500	25	2	5	38	63	3	17	4	0
501 and over	32	3	6	16	48	4	14	4	0

Where sample size exceeds lot size do a 100% inspection

I First sample size (visual)

2 Acceptance number--ma)or defective (first sample

3 Acceptance number-minor defective (first sample)

4 Second sample site (visual

5 Combined sample size (visual)

6 Acceptance number--major defectives, (combined sample)

7 Acceptance number--minor defectives (combined sample)

8 Sample size-test

9 Acceptance number-test

(4) Second sample size When the number of major defectives exceeds the quantity specified in column 2, but does not exceed the quantity specified 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 below Column 7 will be the acceptance number for minor defectives

(5) Combined sample size When the surveillance interval has been exceeded by 25-percent, or when the approximate date of the last inspection is unknown, the combined sample plan specified in columns 5, 6, and 7 will be used

(6) Critical defects Lots containing a critical defect will be immediately suspended from issue and use

(7) 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 the Instructions contained in this bulletin when reprocessing and repacking

e. Testing Overseas commands and installations that possess testing facilities and qualified quality assurance personnel will perform the test(s) specified in section 6 Overseas commands, installations and depots that do not possess testing and/or laboratory facilities will report material in accordance with the requirements of paragraph 7b

5. **Inspection.** a Visual inspection The sample will be inspected for the defects listed in 5b

b. Classification of defects Refer to table II and SB 742-1 for classification of defects. Defects other than those listed in table II and SB 742-1 will be reported via DA Form 984

c. Packaging, Packing, Marking and Preservation See SB 742-1

Table II. File Destroyer, Incendiary: ABC-M4

Categories	Defects	ignition method
CRITICAL		
1	Igniter box: Squib wire not shunted	Visual
MAJOR		
101	Igniter box: Wires broken or insulation damaged or deteriorated	Visual
102	Igniter or oxidizer box Damage or deterioration which would allow moisture to enter	Visual
MAJOR		
103	Igniter or oxidizer box Seperated or open seam or joint	Visual
OTHERS	As defined In SB 742-1	Visual
MINOR	As defined in SB 742-1	Visual

6. **Functional Test Ingiter Box.**

WARNING

Due to the burning characteristic of the igniter box, 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 examining the burned residue should wear asbestos gloves

a. *Requirements* The igniter box shall ignite and be at least 70% consumed by burning when functioned

b. *Equipment required* A source of electricity capable of furnishing a minimum current of 1 am- pere at a voltage ranging from 2 to 6 volts

c. *Procedure* Place the igniter box behind a suitable shield Separate the lead wires, and connect them to the required source of current (Use auxlllary lead wires if necessary) Observe for ignition and examine for completeness of burning

NOTE

For lead wire lengths up to 10 feet, a minimum of 2 volts are required, for lead wire lengths from 10 to 100 feet 6 volts are required If no failure are observed, replace the 4 igniter boxes from stock, FSN 1375- 834-0628, and return the serviceable file destroyers to stock

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

DA Form 984 - Munition Surveillance Report
DA Form 985 - Data Sheet for Grand Lots, Miscellaneous Lots or Depot Lots
DA Form 2028 - Recommended Changes to Publications
DA Form 2415 - Ammunition Condition Report

b. Reporting

(1) *Data* When reporting data, forms specified in a above will be prepared in accordance with instructions contained in SB 742-1 and TM 38-750

(2) *Submission* An original and two copies of the reports that are required by this bulletin will be forwarded to Commander, 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 Commander, US Army Ammunition Procurement and Supply Agency, ATTN SMUAP-PA-SN, Joliet, IL 60436 The incident will be reported via teletype, or telephone Follow up the report by a letter stating the nomenclature, the lot number of the item involved, and the defect encountered

8. Reporting of Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged Reports should be sub- mitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commander, Edgewood Arsenal, ATTN SMUEA-PA-PQ, Aberdeen Proving Ground, MD 21010, and an in- formation copy to Commander, US Army Ammunition Procurement and Supply Agency, ATTN SMUAP-PA-SN, Joliet, IL 60436

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