

**NOT MEASUREMENT
SENSITIVE**

**MIL-PRF-63042D(TM)
20 April 1998**

**SUPERSEDING
MIL-M-63042C(TM)
17 July 1990**

PERFORMANCE SPECIFICATION MANUALS, TECHNICAL: PROCEDURES FOR DESTRUCTION OF EQUIPMENT TO PREVENT ENEMY USE

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

1. SCOPE.

1.1 Scope. This specification contains requirements for the preparation of technical manuals (TMs) on destruction of equipment to prevent enemy use.

1.2 Figures. Figures used in this specification are examples only. The text of this document takes precedence over the figures.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be used in improving this document should be addressed to: Executive Director, USAMC Logistics Support Activity, Acquisition Logistics Center, ATTN: AMXLS-AP, Redstone Arsenal, AL 35898-7466 by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC A703

AREA TMSS

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in section 3 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in section 3 of this specification, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

STANDARDS

DEPARTMENT OF DEFENSE

MIL-STD-38784 — Standard Practices For Manuals, Technical: General Style and Format Requirements.

(Unless otherwise indicated, copies of the above standard are available from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.2.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

FM 5-25 Explosives and Demolition

(Copies of this document required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity.)

2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 General. Manuals prepared in accordance with this specification shall include all information required to immobilize or destroy the equipment to make its use by the enemy impossible.

3.1.1 Style and format. Unless otherwise specified herein, the general style and format of TMs for procedures for destruction of equipment to prevent enemy use shall be in accordance with MIL-STD- 38784.

3.1.2 Security classification markings. Security classification markings shall be applied in accordance with MIL-STD-38784.

3.1.3 Illustrations. Unless otherwise specified by the contracting activity (see 6.2), only line drawings shall be used. Illustrations shall be integrated with the text and shall be used when text alone cannot adequately communicate the message. Illustrations shall be black and shades of black (one color).

3.2 Arrangement. The arrangement of the TM shall be as follows: cover, warning summary, title block, reporting of errors, table of contents, chapter, appendix, and index.

3.2.1 Front matter. Front matter shall consist of the following:

3.2.1.1 Cover. The cover shall contain the publication number, title, distribution restriction statement, publication date, an export warning, if applicable, and destruction notice (see Figure 1).

3.2.1.2 Warning summary. A warning summary shall appear on the inside front cover of the manual. This summary shall include the general type of warning and symbol used within the manual. The summary shall not be a list of specific warnings that pertain to particular procedures, but it shall include general subject data such as radiation, chemicals, voltage, gas pressure, and laser light.

3.2.1.3 Title Block. The title block shall include all the pertinent data as shown on Figure 2. Information for the cover, title, or title block shall be the same, except when there is both a cover and title page. The date shall be omitted from the cover.

3.2.1.4 Reporting errors and recommending improvements.

a. Except for classified manuals, oversize manuals, pocket size manuals, and manuals with fewer than eight pages, the following statement shall precede the table of contents title:

"REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) located in the back of this manual direct to: (insert name and address of proponent). You may also send in your recommended changes via electronic mail or by fax. Our fax number is (insert DSN and commercial number of proponent). Our e-mail address is (insert address of proponent). A reply will be furnished to you."

b. One filled-out sample of DA Form 2028 plus three blank DA Forms 2028 shall be included at the back of all unclassified manuals except for oversize manuals, pocket size manuals, and those with fewer than eight pages. The filled out sample will include guidelines for completing the form. The three blanks shall be tear-out forms, preprinted to show the applicable manual number, manual date, and manual title on the front and the proponent's return address on the reverse.

3.2.1.5 Reporting errors and recommending improvements for pocket size manuals, oversize manuals, and manuals with fewer than eight pages. The following shall precede the table of contents title:

"REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), direct to (insert name and address of proponent). You may also send in your recommended changes via electronic mail or by fax. Our fax number is (insert DSN and commercial number of proponent). Our e-mail address is (insert address of proponent). A reply will be furnished to you."

3.2.1.6 Reporting errors and recommending improvements in classified manuals. For classified manuals only, the following shall precede the table of contents title:

"REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes, or if you know of a way to improve this manual, write and tell us about it. Address your correspondence to (insert name and address of proponent). When dealing with classified information, make sure that your correspondence is properly marked and is handled in accordance with current security regulations."

3.2.1.7 Table of contents. The table of contents shall be prepared in accordance with MIL-STD-38784. When space permits, the table of contents shall begin below the reporting errors and recommending improvements statement. If space does not permit, it shall begin on the next page.

3.2.2 Chapter 1 - introduction. This chapter and every subsequent chapter shall begin on a right-hand page. This chapter shall consist of the following sections: general (scope, authorization, reporting destruction, special problems), priorities for destruction, and degrees of damage.

3.2.2.1 Section I - general. This section shall consist of the following paragraphs:

3.2.2.1.1 Scope. The scope paragraph shall contain the following statement:

"This manual is for the guidance of those whose duty it is to render inoperable or destroy equipment which is in imminent danger of capture by an enemy. The instructions contained herein are in accordance with the requirements of (insert number [e.g., STANAG 2113] all international agreements concerning the destruction that were in effect on the effective date of the manual, including any changes thereto)."

3.2.2.1.2 Authorization. This paragraph shall contain the following statement:

"Only division or higher commanders have the authority to order destruction of equipment. They may however, delegate this authority to subordinate commanders when the situation demands it."

3.2.2.1.3 Reporting destruction. This paragraph shall state that destruction of equipment will be reported through command channels.

3.2.2.1.4 Special problems. This paragraph shall contain such general information as the selection of the destruction area so as to avoid residual effects and downwind vapor hazards in destruction of chemical munitions.

3.2.2.2 Section II - priorities for destruction. The following paragraphs and list of priorities shall be included verbatim in the manual.

3.2.2.2.1 "Classified Equipment. Priority must always be given to the destruction of classified equipment and associated documents."

3.2.2.2.2 "Essential Parts. When lack of time or supplies prevent complete destruction of equipment, priority will be given to the destruction of essential parts, and the same parts will be destroyed on all like equipment."

3.2.2.2.3 "Equipment installed in vehicles. Equipment installed in vehicles shall be destroyed in accordance with the priorities for the equipment itself, taking into account the relative importance of the installed equipment and the vehicle itself."

3.2.2.2.4 "Repair parts. The same priority for destruction of repair parts of a major item necessary to render that item inoperable shall be given to the destruction of similar repair parts in storage areas."

3.2.2.2.5 "Cryptographic equipment and material. The detailed destruction procedure to be followed in order to ensure the rapid and effective destruction of cryptographic equipment and material shall be those specified in instructions issued by the appropriate communication security authority."

3.2.2.3 Section III - degree of damage. The following paragraphs shall be included verbatim in the manual.

3.2.2.3.1 "Methods of Destruction. Choose methods of destruction which will cause such damage that it will be impossible to restore the equipment to a usable condition within the combat zone."

3.2.2.3.2 "Classified Equipment. Classified equipment must be destroyed to such a degree as to prevent duplication by, or revealing means of operation or function to the enemy."

3.2.2.3.3 "Associated Classified Documents. Any classified documents, notes, instructions, or other written material pertaining to function, operation, maintenance, or employment, including drawings or parts lists, must be destroyed in a manner to render them useless to the enemy."

3.2.3 Chapter 2 - methods of destruction. This chapter shall contain a brief description of the methods used to destroy equipment, parts, and supplies in the field. It shall include instructions/ procedures to be followed and a list of the equipment required for the method(s). The order in which the method(s) should be applied and the results of applying them in the wrong order shall be explained where applicable. Details regarding destruction of specific items or types of items shall be in chapter 3. Methods covered shall include the following:

3.2.3.1 Self-destruction devices. If self-destruction devices are to be applied, instructions shall include such information as the following: "Built-in self-destruction devices should be set off even if the major item containing equipment with self-destruction devices is to be destroyed. These devices should be permitted to do their work at least partially before incendiaries or explosives (especially the latter) are set off, because an explosion might blow parts or classified documents to safety where the enemy might find them."

3.2.3.2 Improper operation. Instruction on improper operation to cause destruction shall be included here.

3.2.3.3 Fire. Instruction covering destruction by fire shall include information such as the following: "An explosion may prematurely put out a fire. Proper concentration of equipment to be burned will provide a hotter, more destructive fire. Mechanical destruction should be completed first; fires should be lit last. Fires can be built to produce more heat and more smoke. For destruction, heat is desired but smoke may be useful."

3.2.3.4 Demolition (explosives). Information on the use of explosives to destroy equipment shall be as specified in FM 5-25 and include size and positioning of demolition charges. The following statement shall be included: "The way in which a demolition charge is placed can make the difference between minor damage or complete destruction."

3.2.3.5 Mechanical. Information on mechanical means of destruction such as sledgehammers, crowbars, and cranes, shall be included here.

3.2.3.6 Use of natural surroundings. Information concerning how disposal of equipment or denial of equipment to the enemy may be accomplished by taking advantage of the surrounding topography (see 6.4.2) and environment, shall be included. For example, submerging equipment and repair parts under water, concealing material in caves, or preferably, burying can be used effectively. Where the surrounding area does not lend itself to such disposal, wide dispersal of materiel, preferably into heavy underbrush, will serve as a denial or delaying measure.

3.2.4 Chapter 3 - special instructions for (insert commodity). This chapter shall include detailed information on destruction of individual items or types of items. This information shall include location and type of self-destruction devices, place and size of explosives for demolition, methods of improper operation, flammability, and other characteristics, location of most effective points or components most susceptible to gunfire by small arms and artillery and various types of ammunition. Advantages or disadvantages of various methods which are peculiar to certain items or types of items shall be given. For example, smokepots create a particularly dense cloud of smoke. If weather conditions favor the cloud remaining near the ground, the tactical advantages or disadvantages must be considered.

3.2.4.1 Classified equipment and documents. Instructions for destruction of classified equipment and documents shall be included here.

3.2.5 Appendix, references. This appendix shall list all publications referenced in the manual and required for the destruction of the military equipment to prevent enemy use. The appendix shall contain an introduction or scope paragraph to provide a brief statement concerning its use and content. The publications shall be grouped by types.

3.2.6 Index. An alphabetical index shall be prepared in accordance with MIL-STD-38784.

3.3 Changes to manuals on destruction to prevent enemy use. Changes to manuals on destruction to prevent enemy use shall be prepared in accordance with MIL-STD-38784 and shall have change instruction sheets and/or lists of effective pages.

4. VERIFICATION

4.1 Verification. The verification requirements shall be as specified in the contract or order (see 6.2).

5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of material is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. This specification is intended to be used for acquisition of the technical manuals specified herein. The requirements of this specification are normally invoked by contract. When the Government prepares the subject manuals, the Government preparing activity assumes the role of the contractor and is responsible for meeting the requirements specified herein.

6.2 Acquisition requirements. Acquisition documents should specify the following:

- a. Title, number, and date of this specification.
- b. Issue of DoDISS to be cited in the solicitation and, if required, the specific issue of individual documents (see 2.2.1).
- c. Title, number, and date of the TM.
- d. Line drawings, unless otherwise specified (see 3.1.3).
- e. Type of reproducible copy desired.
- f. Size of TM.
- g. Verification requirements (see 4.1).
- h. Packaging requirements (see 5.1).
- i. Specification tailoring by selection of optional requirements on the content/format selection summary (see Appendix A).

6.3 Technical manuals. The requirement for technical manuals should be considered when this specification is applied on a contract. If technical manuals are required, specifications and standards that have been cleared and listed in DoD 5010.12-L, Acquisition Management Systems and Data Requirements Control List (AMSDL) must be listed on a separate Contract Data Requirements List (DD Form 1423), which is included as an exhibit to the contract. The technical manuals must be acquired under separate contract line item in the contract.

6.4 Definitions

6.4.1 Cryptographic equipment. Any equipment, regardless of classification, that provides security to electronic information by converting the information to a form unintelligible to unauthorized interceptors. For authorized recipients, this equipment reconverts the information to its original form.

6.4.2 Topography. Topography is a detailed representation of the ground relief of an area.

6.5 Subject term (key word) listing.

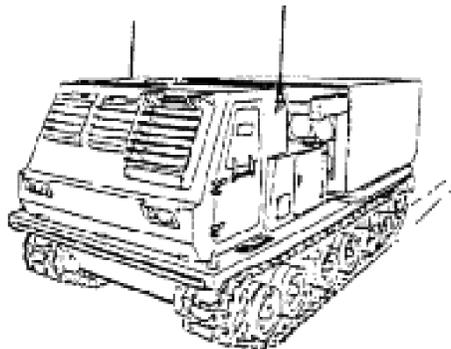
- authority to order destruction
- degree of damage
- methods of destruction
- priority for destruction
- reporting destruction
- self-destruction devices

6.6 International standardization agreements. Certain provisions of this specification (see 3.2.2.1.1) are the subject of international standard agreement NATO STANAG 2113. When amendment, revision or cancellation of this specification is proposed that will modify the international agreement concerned, the preparing activity will take appropriate action through international standardization channels, including departmental standardization offices, to change the agreement or make the appropriate accommodations.

6.7 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

TM 43-XXXX-XX

TECHNICAL MANUAL
DESTRUCTION OF EQUIPMENT
TO PREVENT ENEMY USE
FOR
NOMENCLATURE, MODEL NUMBER



END ITEM NAME

WARNING. This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22 U.S.C. Sec 2571 *et seq.*) or Executive Order 12470. Violations of these export laws are subject to severe criminal penalties.

DISTRIBUTION STATEMENT C. Distribution authorized to U.S. Government agencies and their contractors only to protect critical technical data on systems or hardware. This determination was made Oct 86. Other requests shall be referred to Department of the Army Program Executive Office, Fire Support, MLRS Project Office, ATTN: SAAE-TM-ML-LO, Redstone Arsenal, AL 35898-5700.

DESTRUCTION NOTICE. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

HEADQUARTERS, DEPARTMENT OF THE ARMY
APRIL 1999

FIGURE 1. Example of a cover.

***TM 43-XXXX-XX**

TECHNICAL MANUAL)
)
 No. TM 43-XXXX-XX)

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 Washington, D.C., 6 April 1999

**DESTRUCTION OF EQUIPMENT
 TO PREVENT ENEMY USE
 FOR
 NOMENCLATURE, MODEL**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) located in the back of this manual directly to: Commander, U.S. Army Missile Command, ATTN: AMSMI-MMC-LS-LP, Redstone Arsenal, AL 35989-5238. You may also send your recommended changes via electronic mail or by fax. Our fax number is DSN 788-6546 or commercial (205) 842-6546. Our e-mail address is ls-lp@redstone-emh2.army2.army.mil. A reply will be furnished to you.

WARNING. This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22 U.S.C. Sec 2571 *et seq.*) or Executive Order 12470. Violations of these export laws are subject to severe criminal penalties.

DISTRIBUTION STATEMENT C. Distribution authorized to U.S. Government agencies and their contractors only to protect critical technical data on systems or hardware. This determination was made Oct 86. Other requests shall be referred to Department of the Army Program Executive Office, Fire Support, MLRS Project Office, ATTN: SAAE-TM-ML-LO, Redstone Arsenal, AL 35898-5700.

DESTRUCTION NOTICE. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

TABLE OF CONTENTS

	Paragraph	Page
CHAPTER 1.	INTRODUCTION	1-1
Section I.	General	1-1
	Scope	1-1
	Applicability	1-2
	Destruct Reporting	1-3

*This manual supersedes TM 43-XXXX-XX, dated 20 January 1999.

FIGURE 2. Example of a title page.

APPENDIX A

**CONTENT/FORMAT SELECTION SUMMARY FOR
TECHNICAL MANUALS FOR PROCEDURES FOR DESTRUCTION OF
EQUIPMENT TO PREVENT ENEMY USE**

A.1 GENERAL.

A.1.1 Scope. This appendix facilitates the tailoring of requirements for technical manuals for conventional and chemical ammunition contained in the body of this specification. This appendix is a mandatory part of this specification. The information contained herein is intended for compliance when the Content/Format Selection Summary is completed by the Government.

A.1.2 Application. This appendix is intended to be copied/reproduced, completed, used for contract solicitation, and incorporated into the contract.

A.1.3 Tailoring. The contracting activity should evaluate the individual requirements of this specification to determine the extent to which they are most suitable for the acquisition and modify the requirements to ensure that each achieves the optimal balance between operational needs and cost. Exclusions of sections, paragraphs, or sentences shall be indicated on the Content/Format Selection Summary. When necessary, remarks should be expanded and included on a separate sheet of paper attached to the Summary List. In all cases, tailoring shall be compatible with this specification.

A.1.4 Explanation of columns - content/format selection summary. Column (1), Item no., self explanatory. Column (2) is the type of requirement and column (3) identifies the applicable paragraph in the specification. Column (4) Options Selected, subcolumn (a) "yes", should be marked with an "X" for each item/requirement applicable to the solicitation/acquisition as written. Column (4), subcolumn (b), "no" should be marked with an "X" for each item that is not applicable as written, but is applicable as specified in subcolumn (c). Subcolumn (c), Explanation/Remarks is provided for clarity.

A.2 APPLICABLE DOCUMENTS.

This section is not applicable to this appendix.

APPENDIX A

CONTENT/FORMAT SELECTION SUMMARY SHEET

EQUIPMENT NAME/NOMENCLATURE _____

CONTRACT NO. _____

NOTE: Applicable requirements are indicated by an “X” in column 4a or explained in column 4b.

(1) Item No.	(2) Requirements	(3) Applicable Paragraph No.	(4)		
			(a)	(b)	(c)
			Options Selected		Explanation/Remarks
(yes)	(no)				
1	Line Drawings	3.1.3			
2	Verification Requirements	4.1			
3	Packaging	4.1			

NOTE: The above selected requirements tailoring options identified by an “X” in the Options Selected column 4, subcolumn 4(a) or 4(b), or the explanation provided in the Remarks subcolumn 4(c) are a mandatory part of this contract.

COMPLETED BY: _____
(authorized signature)

PUBLICATIONS ACTIVITY: _____ **DATE:** _____

MIL-PRF-63042D(TM)

CONCLUDING MATERIAL

CUSTODIAN:
Army - TM

PREPARING ACTIVITY:
Army - TM

REVIEW ACTIVITIES:
Army - AL, AR, AT, AV, CR,EA, GL, MI, PT

(PROJECT TMSS A312)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing agency must provide a reply within 30 days from receipt of the form.

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

I RECOMMEND A CHANGE

1. DOCUMENT NUMBER
MIL-PRF-63042D (TM)

2. DOCUMENT DATE: (YMMDD)
980420

3. DOCUMENT TITLE

MANUALS, TECHNICAL: PROCEDURES FOR DESTRUCTION OF EQUIPMENT TO PREVENT ENEMY USE

4. NATURE OF CHANGE (*Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.*)

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME (*Last, First, Middle Initial*)

b. Organization

c. ADDRESS (*Include ZIP Code*)

d. TELEPHONE (*Includes Area Code*)
(1) Commercial
(2) AUTOVON (If applicable)

7. DATE Submitted
(YYMMDD)

8. PREPARING ACTIVITY

a. NAME

USAMC Logistics Support Activity

b. TELEPHONE (*Include Area Code*)

(1) Commercial (2) AUTOVON
(205) 955-9843 DSN 645-9843

c. ADDRESS (*Include ZIP Code*)

**ATTN: AMXLS-AP (TMSS)
Redstone Arsenal, AL 35898-7466**

IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:
Standardization Program Division
5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466
Telephone (703) 681-9340/9343 DSN 761-9340/9343

Commander
USAMC Logistics Support Activity
ATTN: AMXLS-AP
Redstone Arsenal, AL 35898-7466