

NOT MEASUREMENT  
SENSITIVE

**MIL-PRF-63012B**  
**20 April 1998**

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**SUPERSEDING**  
**MIL-M-63012A**  
**26 July 1994**

**PERFORMANCE SPECIFICATION  
MANUALS, TECHNICAL:  
DEPOT MAINTENANCE WORK REQUIREMENTS (DMWRs)  
FOR MAINTENANCE/DEMILITARIZATION OF  
CONVENTIONAL AND CHEMICAL AMMUNITION**

This specification is approved for use by all Department of the Army and Department of the Navy 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 preparation of Depot Maintenance Work Requirements (DMWRs) for the maintenance and/or demilitarization of conventional and chemical ammunition, hereafter referred to as ammunition.

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

1.3 Applicability. DMWR publications contain the information needed by government personnel to perform their authorized maintenance tasks. Some requirements in this specification are not applicable to all ammunition or all situations.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use 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 Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

**AMSC No. A7305**

**AREA TMSS**

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## 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 Standards. The following standards 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-12	—	Abbreviations for use on Drawings, and in Specifications, Standards and Technical Documents
MIL-STD-38784	—	Standard Practices For Manuals, Technical: General Style and Format Requirements.

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

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. This specification shall be used to develop DMWRs for the maintenance and demilitarization of ammunition.

3.1.1 Style and format. Unless otherwise specified by the contracting activity (see 6.2), the general style and format of the DMWR shall be in accordance with MIL-STD-38784.

3.1.1.1 Page and paragraph numbering. Pages and paragraphs shall be numbered in accordance with MIL-STD-38784.

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3.1.2 National stock numbers (NSN), part numbers and nomenclature. The NSNs, part numbers, and Commercial and Government Entity Codes (CAGEC) shall not be used in the narrative portion of the DMWR unless they are essential for identification of the item. Only approved nomenclature shall be used in the DMWR. The use of names and nomenclature shall be consistent throughout the DMWR.

3.1.3 Abbreviations and acronyms. Abbreviations shall be in accordance with MIL-STD-12. The first use of the abbreviation or acronym shall have the word or words spelled out completely. The abbreviation or acronym shall appear in parenthesis immediately after the word(s).

3.1.4 Illustrations. Unless otherwise specified by the contracting activity (see 6.2), only line drawing illustrations shall be used in the DMWR. Illustration views shall be presented as the DMWR user would view the item in the performance of the associated task. Locator numbers used on illustrations shall be numbered consecutively in a clockwise direction, beginning with the lowest number at the 11 o'clock position. Unless otherwise specified by the contracting activity (see 6.2), engineering drawings shall not be used in the DMWR.

3.1.5 References. Reference to other documents and information within the DMWR shall be held to a minimum. If it is economical to do so, required data may be duplicated instead of referenced. Reference shall be made to other documents only when they are normally available to the user. If a reference to another document is necessary, the reference shall include the document name or publication number. References made to other documents or other parts of the DMWR shall include only specific and necessary location data such as chapter, page, paragraph, table, or figure number.

3.1.6 Warnings, cautions, and notes. Warnings, cautions, and notes shall be used in accordance with MIL-STD-38784. A warning shall precede the text for a procedure where injury or death may occur to the person doing the procedure, not the person who will use the equipment when it is issued. Cautions shall precede the text for a procedure where damage to the equipment could occur. Notes shall precede the text and are used to highlight an essential operating or maintenance procedure, condition, or statement. When warnings, cautions, or notes occur for the same text, the warnings shall appear first, cautions second, and notes last.

3.1.7 Icons for hazardous materials warnings and safety warnings. Whenever a warning is presented as an icon or a combination of icons, the format presented in appendix A shall be used. Icons used shall either be on the approved list in appendix A of this specification, or shall be added or changed as specified and approved by the contracting activity (see 6.2). Each hazard icon used shall be defined in the warning summary at the front of the DMWR.

3.2 Arrangement of DMWR Contents. The DMWR shall contain the divisions outlined below as applicable.

- |    |              |                                 |
|----|--------------|---------------------------------|
| a. | Front Matter |                                 |
| b. | Chapter 1    | Introduction                    |
| c. | Chapter 2    | Operational Requirements        |
| d. | Chapter 3    | Quality Acceptance Requirements |
| e. | Appendix A   | References                      |
| f. | Appendix B   | Consumable Materials            |

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- g. Appendix C Equipment and Special Facilities
- h. Appendix D Tabulated Data, Military Specifications, and Drawings
- i. Appendix E Approved Intraplant Transfer Equipment
- j. Appendix F Pentachlorophenol (PENTA)-Treated Packing Materials
- k. Appendix G Environmental Requirements
- l. Appendix H Hazard Analysis
- m. Other appendixes
- n. Authentication Page

(When any of the above divisions, or any portion thereof specified herein is not applicable to a specific DMWR, the chapter, section, or paragraph number, and title shall appear in sequence and be followed by the statement: "NOT APPLICABLE".)

3.3 Front matter. The front matter of the DMWR shall consist of the following:

3.3.1 Front cover. The front cover shall have a publication number and a title which identifies the ammunition covered in the DMWR by official nomenclature, NSN, End Item Code (EIC), part number, and CAGEC. All related items covered by the DMWR, which can be turned into supply separately when the work is complete, shall be listed on the cover by nomenclature, NSN, and EIC. See figure 1 for an example of an Army DMWR cover and figures 2 and 3 for examples of Navy DMWR covers.

3.3.1.1 Distribution statement, destruction notice, and export control notice. The applicable distribution statement, destruction notice, and export control notice, provided by the contracting activity (see 6.2) shall be prepared in accordance with MIL-STD-38784.

3.3.1.2 Supersession notice. If the DMWR supersedes another DMWR or publication, a supersession notice, provided by the contracting activity (see 6.2), shall be placed on the title page in accordance with MIL-STD-38784.

3.3.2 Warning page. Vital warnings (i.e., those requiring exercise of extreme care in face of such dangers as explosives, toxic chemicals, or high pressure) shall be placed on the first right-hand page immediately following the front cover. See figure 4 for an example.

3.3.3 Change Page (List of Effective Pages). A list of effective pages containing the page changes to the DMWR and instructions on how the user can identify change material shall be included when the DMWR is changed.

3.3.4 Title block page. The title block page shall start on a right-hand page and shall follow the warning page. The title block page and table of contents pages shall be numbered in lower case roman numerals (e.g., i, ii, iii, etc). The title block page shall contain the following:

- a. The same title as on the cover, the DMWR number, date of publication, official nomenclature, NSN, EIC, part number, and CAGEC.
- b. The reporting errors and recommending improvements statement.

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- c. The distribution statement, destruction notice, and export control notice.
- d. Table of contents material (if space permits).

See figure 5 for an example of the title block page.

3.3.4.1 Reporting errors and recommending improvements statement. The following statement shall appear on the title block page as appropriate:

"REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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

(One filled-out sample copy and three blank copies of DA Form 2028 shall be included at the back of every DMWR.)

3.3.4.2 Table of contents. If space permits, the table of contents shall begin on the same page as the title block and the required statements. If space does not permit, it shall begin on a right-hand page following the title block page. A table of contents listing chapters, sections and the primary paragraphs in the same order and with the exact titles as used in the text, with page number reference, shall be required. The table of contents shall be prepared in accordance with MIL-STD-38784. See figure 5 for an example of a title block page and table of contents.

3.4 Chapter 1, introduction. Chapter 1 shall consist of the following information as required:

3.4.1 Scope. The scope shall be a brief narrative portraying the purpose of the DMWR. This paragraph shall identify the ammunition to be worked on and the work that will be accomplished.

3.4.2 Forms, records, and reports. All forms, records, and reports that are required during the performance of depot maintenance shall be referenced. Instructions shall be provided for their use and disposition as provided by the contracting activity.

3.4.3 Deviations, waivers, and exceptions. Requests for deviations, waivers, or exceptions must be obtained from the publication proponent agency.

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3.4.4 Corrosion prevention and control (CPC). The CPC information provided shall contain numbered subparagraphs similar to the following:

"Corrosion Prevention and Control (CPC) of material is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and improvements made to prevent the problem in future items.

While corrosion is typically associated with rusting of metals, it can also include deterioration of other materials, such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of these materials may be a corrosion problem.

If a corrosion problem is identified, it shall be reported to the proponent agency."

3.4.5 Work planning. Accumulation of excess ammunition items, removal of line rejects or explosive waste/hazardous waste, and removal of items containing precious metals shall be addressed.

3.4.6 Disposition. Disposition guidance for serviceable and unserviceable components and materials shall be included as a part of each operation description, and also will address removal of hazardous materials or components and inspection of salvaged materials prior to transfer to Defense Reutilization Marketing Office (DRMO).

3.4.7 Safety requirements. The following statement shall be included: "Safety requirements shall be complied with as prescribed by appropriate service regulations."

3.4.8 Protection against Pentachlorophenol (PENTA)-treated materials. Requirements for handling of ammunition, requirements for wearing of suitable protective clothing, and precautions when handling PENTA-treated packing materials and pallets shall be included. Reference shall be made to Appendix F for additional data on personal hygiene requirements, working PENTA-treated wood, and disposition of contaminated clothing. See figure 11 for an example.

3.4.9 Protection against specific hazards. Specific hazards shall be listed in each applicable operation for the ammunition and materials requiring protection against the specific hazards.

3.4.10 Environmental regulation compliance. Environmental regulations implemented by federal, state, and local governments, shall be addressed (see 3.8.1.7).

3.4.11 Resource conservation and recovery regulations. The provisions of the Resource Conservation and Recovery Act (PL 89-272), as amended by (PL 91-512), (PL 93-611) and (PL 94-58), shall be addressed.

3.4.12 Tabulated data. Reference shall be made to Appendix D for the tabulated data.

3.5 Chapter 2, operational requirements. Chapter 2 shall contain the specific operational steps, including safety warnings, caution, notes, and inspections and requirements for special safety, equipment, material, and facilities. The chapter may contain a flowchart for each specific operation, but it is not mandatory.

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3.6 Chapter 3, quality acceptance requirements. This chapter shall identify acceptance requirements including ballistic test requirements (BTR), product defect criteria, acceptable quality levels (AQL), or site defect criteria identified in the operational steps to include defect classification or to incorporate appropriate statistical process control (SPC) statements for performing activities.

3.7 Definitions. All quality assurance terms used in the DMWR shall be listed and defined.

3.8 Appendixes. Appendixes shall be added to a DMWR as applicable for purposes of illustration, application, and general information. Appendix identification shall be alphabetical throughout the document in the order of reference in the text (i.e., APPENDIX A, APPENDIX B, etc). Each appendix shall begin on a right-hand page. Appendix pages shall be consecutively numbered (i.e., A-1, A-2, etc). Appendixes shall immediately follow the last figure of the DMWR.

3.8.1 Appendixes. The following appendixes shall be Included as applicable:

3.8.1.1 Appendix A. References. This appendix shall consist of all publications referenced in the DMWR (except military specifications and drawings which are listed in Appendix D). The publications shall be listed in groups by publication type. If nongovernment, the source shall be provided. The complete name and number of each publication shall be used. See figure 6 for an example.

3.8.1.2 Appendix B. Consumable materials. This appendix shall consist of a list in tabular format and shall contain as a minimum this data: item number, NSN, federal item name and description if needed, part number, CAGEC, and unit of issue. See figure 7 for an example.

3.8.1.3 Appendix C. Equipment and special facilities. Appendix C shall consist of a list of equipment and special facilities required to perform the operations described in the DMWR. See figure 8 for an example.

3.8.1.4 Appendix D. Tabulated data, military specifications, and drawings. Appendix D shall consist of a list of tabulated data extracted from Army Data Sheets, and/or major specifications and drawings applicable to the DMWR operations. See figure 9 for an example.

3.8.1.5 Appendix E. Approved intraplant transfer equipment. This appendix lists suggested or commonly available equipment. If the DMWR operations require no intraplant APE, this appendix should be omitted. See figure 10 for an example.

3.8.1.6 Appendix F. Pentachlorophenol (PENTA)-treated packing materials. When specified by the contracting activity (see 6.2), this appendix shall be used to include the latest requirements in all DMWRs. See figure 11 for an example.

3.8.1.7 Appendix G. Environmental requirements. This appendix shall be used to include the latest requirements. As a minimum, this appendix shall include air, noise, and emission problems and controls as applicable.

3.8.1.8 Appendix H. Hazard analysis or briefing. This appendix shall contain a hazard analysis updated

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to include the latest requirements. Potential hazards which may result in injury or death with appropriate countermeasures shall be identified.

3.8.1.9 Other appendixes. When specified by the contracting activity (see 6.2), other appendixes shall be added to the DMWR.

3.9 Authentication page. An authentication page shall be included after the last appendix of the DMWR.

#### 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 materiel is to be performed by DoD personnel, those 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 in the preparation or acquisition of DMWRs. The requirements of this specification may be invoked by contract. However, when a government activity is writing the DMWR, it assumes the role of contractor and is responsible for meeting the requirements of this specification.

6.2 Acquisition requirements. Acquisition documents should specify the following information:

- a. Title, number, and date of this specification.
- b. Issue of the DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (See 2.2.1).
- c. Title and publication number of DMWR(s) to be prepared.
- d. Style and format of the DMWR if other than MIL-STD-38784 (see 3.1.1).
- e. Whether line drawings must be used in the DMWR (see 3.1.4).



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- f. Whether engineering drawings may be used in DMWR (see 3.1.4).
- g. Additional or changed icons for hazardous materials warnings (see 3.1.7).
- h. Applicable distribution statement, destruction notice, and export control notice (see 3.3.1.1).
- i. Supersession notice (if applicable) (see 3.3.1.2).
- j. Latest requirements for Pentachlorophenol (PENTA) - treated packing materials to be included in Appendix F (see 3.8.1.6).
- k. Other appendixes required (see 3.8.1.9).
- l. Verification methods (see 4.1).
- m. Packaging (see 5.1).
- n. Whether icons should be prepared for electronic presentation (see A.4.2.2)
- o. Specification tailoring by selection of operational requirements on content/format selection summary (see Appendix B).

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 Subject terms (key word) listing.

Corrosion  
Pentachlorophenol  
Hazards

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



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**DMWR X-XXXX-XXXX-XXX**

**DEPOT MAINTENANCE WORK REQUIREMENT**

for

**NOMENCLATURE, MODEL NUMBER**

**NSN XXXX-XX-XXX-XXXX (EIC XXX)**

**PN XXXXXXXX, (XXXXX)**

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**U.S. ARMY ARMAMENT AND CHEMICAL  
ACQUISITION LOGISTICS ACTIVITY  
Rock Island, IL 61299-6000  
30 September 1994**

FIGURE 1. ARMY - Example of a DMWR Cover.

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**FOR OFFICIAL USE ONLY**

**DMWR X-XXXX-XXXX-XXX**

**DEPOT MAINTENANCE WORK REQUIREMENT**

**FOR**

**NOMENCULTURE, MODEL NUMBER**

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**PREPARED BY  
NAVAL WEAPONS SUPPORT CENTER, CRANE, IN**

**PUBLISHED BY DIRECTION OF  
COMMANDER, NAVAL SEA SYSTEMS COMMAND  
AUGUST 1999**

FIGURE 2. NAVY - Example of NAVSEA DMWR Cover.

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**NAVAIR XX-XX-XX**

30 September 1999

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**TECHNICAL MANUAL**  
**INTERMEDIATE TECHNICAL (WPNSTA)**  
**WITH ILLUSTRATED PARTS BREAKDOWN**

**NOMENCLATURE**  
**MODEL NUMBER**

This manual supersedes NAVAIR XX-XX-X, Change 1, Dated 15 January 1999.

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FIGURE 3. NAVY - Example of NAVAIR DMWR Cover.

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**WARNING**

**RADIATION HAZARD**

THIS EQUIPMENT CONTAINS THE FOLLOWING RADIOACTIVE TUBES (LIST APPLICABLE TUBES AND EQUIPMENT LOCATIONS) RADIATION MAY BE PRESENT AT UNSEALED OR BROKEN WAGE GUIDE ELEMENTS.

**WARNING**

**HIGH VOLTAGE**

HIGH VOLTAGE IS USED IN THE OPERATION OF THIS EQUIPMENT. DEATH ON CONTACT MAY RESULT IF PERSONNEL FAIL TO OBSERVE SAFETY PRECAUTIONS. LEARN THE AREAS CONTAINING HIGH VOLTAGE IN EACH PIECE OF EQUIPMENT. BE CAREFUL NOT TO CONTACT HIGH VOLTAGE CONNECTIONS WHEN INSTALLING OR OPERATING THIS EQUIPMENT. BEFORE WORKING INSIDE THE EQUIPMENT, TURN POWER OFF AND GROUND POINTS OF HIGH POTENTIAL BEFORE TOUCHING THEM.

**WARNING**

**GASES OR AIR UNDER PRESSURE**

3,000 PSI AIR PRESSURE IS USED IN THE OPERATION OF THIS EQUIPMENT. DEATH OR SEVERE INJURY MAY RESULT IF PERSONNEL FAIL TO OBSERVE SAFETY PRECAUTIONS.

FIGURE 4. Example of Warnings.

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### EXPLANATION OF SAFETY WARNING ICONS



**ELECTRICAL** - electrical wire to hand with electricity symbol running through hand shows that shock hazard is present.



**HEAVY OBJECT** - human figure stooping over heavy object shows physical injury potential from improper lifting technique.

### GENERAL SAFETY WARNINGS DESCRIPTION

#### WARNING



Whenever possible shut off system power before beginning work on equipment.

Do not come in contact with electrical connectors.

Don't be misled by low voltage. Low potentials can be dangerous.

Do not work on electrical equipment alone. Be sure another person is nearby who can give first aid.

#### WARNING



Some objects covered in this manual are heavy and need two soldiers to lift them.

### EXPLANATION OF HAZARDOUS MATERIALS WARNING ICONS



**CHEMICAL** - drops of liquid on hand shows that the material will cause burns or irritation to human skin or tissue.

Figure 4. Example of Warnings - Continued.

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**EXPLANATION OF HAZARDOUS MATERIALS WARNING ICONS - Continued**

**VAPOR** - human figure in a cloud shows that material vapors present a danger to life or health.



**FIRE** - flame shows that a material may ignite and cause burns.



**EYE PROTECTION** - person with goggles shows that the material will injure the eyes.

**HAZARDOUS MATERIALS DESCRIPTION****WARNING****DRYCLEANING SOLVENT P-D-680**

P-D-680 solvent vapors are toxic. Avoid prolonged or repeated breathing of vapors or solvent contact with skin. Use only with adequate ventilation. Solvent is flammable and should not be used near open flame. Fire extinguishers should be readily available when solvent is used.

FIGURE 4. Example of Warnings - Continued.



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**DMWR**  
**No. 9-1315-C380-F20**

**U.S. ARMY ARMAMENT, RESEARCH,  
 DEVELOPMENT AND ENGINEERING  
 CENTER**  
**Rock Island, IL 61299-6000**  
**14 December 1993**

**DEPOT MAINTENANCE WORK REQUIREMENTS  
 FOR  
 RENOVATION OF CARTRIDGE, 120MM: APFSDS-T, M829A1  
 NSN 1315-01-269-2256, (EIC XXX)  
 PN XXXXXXX, CAGEC (XXXXX)**

**REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

You can help improve this DMWR. If you find any errors, or if you know of a way to improve the DMWR, let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), located in the back of this DMWR directly to: Commander, U.S. Army Research, Development and Engineering Center, ATTN: AMSMC-LSB, Picatinny Arsenal, NJ 07806-5000. You may also send in your recommended changes via electronic mail or by fax. Our fax number is (enter DSN and commercial number of proponent). Our e-mail address is (enter address of proponent). A reply will be furnished to you.

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Section I	General . . . . .	1-1	1
	Scope . . . . .	1-1	1
	Work Planning . . . . .	1-1	2
	Disposition . . . . .	1-2	2

FIGURE 5. Example of a Title Block Page and Table of Contents.

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**APPENDIX A****REFERENCES****A-1 Administrative Publications.**

a. Publication Index. The following publication index should be consulted frequently for latest changes or revisions of references given in this appendix and for new publications relating to the material covered in this DMWR.

Consolidated Index of Army Publications and Blank Forms ..... DA PAM 25-30

b. Army Regulations.

Reporting of Transportation Discrepancies in Shipments ..... AR 55-38

Environmental Protection and Enhancement ..... AR 200-1

Army Safety Program ..... AR 385-100

Accident Reporting and Records ..... AR 385-40

Fire Protection ..... AR 420-90

Ammunition Peculiar Equipment (APE) ..... AR 700-20

DARCOM Supp 1

Worldwide Ammunition Reporting System (WARS) ..... AR 700-22

Reporting of Item and Packaging Discrepancies ..... AR 735-11-2

c. AMC/DARCOM Regulations.

Safety Manual ..... AMC-R 385-10

Preparation of Standing Operating Procedures (SOP's) ..... AMC-R 700-107

Depot Maintenance Program Scheduling, Workloading, and Reporting System ..... DARCOM-R 750-28

Authorizing and Reporting of Demilitarization of Class V Materiel ..... AMC-R 755-8

d. Military Standards.

Sampling Procedures and Tables for Inspection by Variables for Percent Defective ..... MIL-STD-414

Ammunition Data Cards ..... MIL-STD-1167

Lot Numbering of Ammunition ..... MIL-STD-1168

**A-1**FIGURE 6. Example of Appendix A, References.

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**APPENDIX B  
CONSUMABLE MATERIALS LIST**

NATIONAL STOCK NUMBER	DESCRIPTION PART NUMBER/CAGEC	UI/ UM
6810-00-184-4796	ACETONE, TECHNICAL 0-A-51 (81348)	5 GL
6810-00-543-7415	ALCOHOL, DENATURED 0E760 (81348)	GL
8010-00-297-2113	ENAMEL, AMMUNITION, OLIVE DRAB TT-E-516 (81348)	PT
8010-00-848-9272	ENAMEL, AMMUNITION, OLIVE DRAB, NO. 34087, PT SPRAY CAN TT-E-516 (81348)	5 GL
9310-00-161-7853	BOARD, STENCIL, OILED, 8" X 24" 10688529	EA
8010-00-297-2119	ENAMEL, AMMUNITION, OLIVE DRAB, NO. 34897, PT SPRAY CAN TT-E-516 (81348)	GL
7510-00-161-0811 7510-00-161-0813	INK, MARKING, STENCIL, BLACK TT-I-1795 (80244)	QT
7510-00-469-7910	INK, MARKING, STENCIL, BLACK TT-I-1795 (80244)	PT
7510-00-161-0815	INK, MARKING, STENCIL, WHITE TT-I-1795 (81348)	GL
7510-00419-9564	INK, MARKING, STENCIL, WHITE TT-I-1795 (81348)	PT
7510-00-161-0816	INK, MARKING, STENCIL, YELLOW TT-I-1795 (81348)	GL
7510-00-183-7698	INK, MARKING, STENCIL, YELLOW (SPRAY, PINT) TT-L-1795 (81348)	PT
5340-00-292-0886	SEALS, ANTIPIRFERAGE, LEAD LEAD SEAL (11821)	HD

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FIGURE 7. Example Appendix B, Consumable Materials List.

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**APPENDIX C****EQUIPMENT AND SPECIAL FACILITIES****C-1. APE Equipment**

Ammunition Cart/Projectiles	APE 1176
Disassembly Machine, Horizontal, Screw Type, w/Kit	APE 1002 APE E022 (Modified)
Explosive Washout System,	APE 1300

**C-2. Other Equipment and Materials**

Combustible materials	NSN -- None.
Fuze, Blasting, Time (Safety fuze)	FSC-DODIC 1375-M670
Igniter, Time Blasting Fuze	FSC-DODIC 1375-M765 or 1375-M766
Caps, Blasting, Non-Electric	FSC-DODIC 1375-M131
Caps, Blasting, Electric	FSC-DODIC 1375-M130
Galvanometer NSN 5626-00-212-4605 or Test Set, Blasting Cap, M51	NSN 6625-00-999-3454
Cap Crimper w/fuze Cutter	NSN 1357-00-212-4604
Blasting Machine, 10 Cap	NSN 1375-00-212-4614
Blasting Machine, 30 Cap	NSN 1375-00-092-9012
Blasting Machine, 50 Cap	NSN 1375-00-141-9495
Cord, Detonating	FSC-DODIC 1375-M455 or M456
Blocks, Demolition, Comp	FSC-DODIC 1375-M037 or 1375-M038

**C-3. Special Facilities**

Grounded conductive floor or mats  
Deluge system  
Ventilation system

FIGURE 8. Example of Appendix C, Equipment, and Special Facilities.

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**APPENDIX D****TABULATED DATA, MILITARY SPECIFICATIONS, AND DRAWINGS****D-1. TABULATED DATA.**

**NOTE:** Numerical values, such as weights, dimensions, etc., are nominal values, except when specified as maximum or minimum. Actual items may vary slightly from these values. Allowable limits can be obtained from the drawings indicated in paragraph D-3.

## Complete round:

Type .....	HE
Weight .....	95.6 lb.
Length (w/lifting plug) .....	26.93 in. max.

## Projectile:

Body material .....	Forged steel
Color .....	Olive Drab w/yellow marking
Filler and weight .....	TNC/14.6 lb. (deep cavity) Comp B/15.4 lb. (Comp B)

## Components:

Supplementary charge .....	0.36 lb. TNT
Packing .....	8 projectiles on pallet

## Pallet:

Weight .....	797 lb.
Dimensions .....	27-1/8 x 13-5/8 X 32 in.
Cube .....	6.8 cu. ft.

## Shipping and Storage Data:

Quantity - distance class .....	(18) 1.1
Storage compatibility group .....	D
Upper .....	+160° (for periods not more than 4 hrs/day)/
Lower .....	80°F (for periods not more than 3 days)

## DOT shipping class .....

DOT shipping class .....	A
DOT designation .....	Explosive projectile

## DODAC:

Deep cavity .....	1320-D544
Normal cavity .....	1320-D571

**D-1**FIGURE 9. Example of Appendix D, Tabulated Data, Military Specifications, and Drawings.

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**D-2. MILITARY SPECIFICATIONS.**

Ammunition, General Specification for .....	MIL-A-2550
Projectile, 155mm: HE, M107 .....	MIL-P-60377

**D-3. DRAWINGS.**

Projectile, 155mm: HE, M107 .....	9216352
Alignment and Calibration Standard for Ultrasonic Inspection of 155mm Projectile, HE, M107, w/Supplementary Charge .....	9332437
Supplementary Charge Assembly .....	8797090
Gage, ring, plain .....	8651471
Spacer .....	8797088
Pallet for 155mm Projectile .....	7549275
Disc, Closing .....	8838202

D-2

FIGURE 9. Example of Appendix D, Tabulated Data, Military Specifications, and Drawings - Continued.

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**APPENDIX E****APPROVED INTRAPLANT TRANSFER EQUIPMENT****E-1. GENERAL.**

a. This information is provided to assist the depot in developing an economical, efficient, and safe method of conveying and transporting ammunition and components through the operations cited in this DMWR.

b. The Ammunition Peculiar Equipment (APE) and approved equivalent non-APE listed in this appendix is approved and preferred for use in ammunition maintenance transfer operations. Use of equivalent, non-APE equipment is acceptable if the listed APE is not available.

c. Operation of approved APE and approved equivalent non-APE must be in accordance with all local safety requirements.

d. Use of APE is governed by AR 700-20.

e. Refer to TM 43-0001-47 and the applicable Operator's Manuals for further information and data concerning the listed ammunition transfer equipment.

f. Contact AMCCOM, Rock Island, IL, APE Section (AMSMC-DSM-ME) DSN 793-6881/5974 with further questions concerning transfer equipment, if required.

**E-2. APPROVED CONVEYOR SYSTEMS.**

a. Conveyor, Powered Belt, APE 1022M1. Used to convey artillery projectiles, small rockets, wooden and fiber boxed general supplies, miscellaneous ammunition, and ammunition components through plant buildings. The conveyor requires 220/440 VAC, 3-phase, 60-Hz power source. Conveyor lengths vary to suit installation needs.

b. System, Monorail, Conveyor, APE 1044M1. Used to convey loaded projectiles and/or fixed rounds of ammunition, 37mm through 155mm, through painting and drying operations. The conveyor requires a 220/440 VAC, 3-phase, 60-Hz power source. Monorail system lengths vary to suit installation needs. The monorail is used with the following paint booths: APE 1045, APE, 1069, APE 1070, APE 1205, APE 1214, AND APE 1280.

c. Conveyor, Powered Belt, APE 2032. Used to convey small arms ammunition and other small items short distances. The conveyor requires a 220/440 VAC, 3-phase, 60-Hz power source. Conveyor lengths vary to suit installation needs. The conveyor is used with storage hoppers APE 2021 and APE 2031.

**E-1**FIGURE 10. Example of Appendix E, Approved Intraplant Transfer Equipment.

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**E-3. APPROVED AMMUNITION CARTS.**

The following carts are designed to provide an economical, efficient, and safe method of conveyance for ammunition and components in operations where power conveyance is not safe, not practical, or not available. The carts are adaptable for transferring inspection samples, rejects, and re-runs on an operational line.

- a. Cart, Ammunition, 37mm through 105mm Projectiles, APE 1176. Used to transport up to six projectiles during maintenance operations. The projectiles can be a maximum of 18 inches in length. The maximum load on the cart cannot exceed 400 pounds.
- b. Cart, Ammunition, Complete Round, APE 1177. Used to transport four complete rounds of ammunition during maintenance operations. The cart accommodates 37mm through 105mm cartridges up to 40-inches long.
- c. Cart, Ammunition, Small Items, APE 1177. Used to transport fuzes and other small items during maintenance operations.

**E-4. APPROVED LIFTING DEVICES.**

- a. Life, Projectile (Conveyor - Monorail), APE 2137. Used to lift or lower 120mm through 8 inch projectiles from a belt conveyor to a monorail conveyor. Used in conjunction with approved conveyors APE 1022M1 and APE 1044M1. The lift must have access to air at 100 psi.
- b. Device, Projectile Lifting, APE 2168. Used to raise or lower 155mm through 8 inch projectiles from a belt conveyor to a monorail conveyor. Used in conjunction with approved conveyors APE 1022M1 and APE 1044M1. The device must have access to air at 80-100 psi.

**E-2**FIGURE 10. Example of Appendix E, Approved Intraplant Transfer Equipment - Continued.



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**APPENDIX F****PENTACHLOROPHENOL (PENTA)-TREATED PACKING MATERIALS****F-1. GENERAL.**

The degree of hazard associated with PENTA-treated packing materials cannot be determined by visual examination. There are no quantifiable criteria to use in judging such terms as "loose" or "excessive". The guidance given herein should be followed under the direction of a resident Industrial Hygienist who has evaluated the actual PENTA exposure in question. PENTA itself is a registered pesticide and is toxic by inhalation, ingestion, or contact. In situation where liquid solutions of PENTA are to be used, the hygiene/occupational medicine support should be obtained prior to planning such operations.

**F-2. PERSONAL HYGIENE REQUIREMENTS.**

The handling of treated packaging materials represents less hazard, but it is necessary to maintain both procedural controls and good personal hygiene. Persons handling PENTA-treated dry wooden boxes or pallets will wear leather-palmed work gloves and flame-retardant coveralls or tyvek coveralls dry. Personnel should not be permitted to eat, drink, or smoke during work periods. Personnel should be required to wash prior to eating, drinking, smoking, or using toilet facilities, and after each shift. The leather-palmed gloves should be maintained separate from items of personal clothing and should be disposed of as PENTA-contaminated when no longer required. The coveralls should be laundered after use to prevent accumulation of PENTA. Any personnel who may be pregnant should not be allowed to work with PENTA-treated material. Personnel encountering problems relating to PENTA-treated material should be referred to Installation/Unit Medical Officer.

**F-3. AREAS OF WETNESS OR TACKINESS.**

PENTA-treated items that show areas of wetness, tackiness, or crystallization of surfaces represent a higher degree of hazard. When it is necessary to handle such materials, impervious protective gloves and aprons (neoprene or nitrile rubber) should be worn to prevent skin contact and contamination of clothing. The gloves may be Men's Solvent Resistant, Black, Type III, Gloves (NSN 8415-00-823-7455) or equivalent. All protective gear and clothing which directly contacts PENTA crystals, solution, or PENTA-treated materials showing evidence of wetness or tackiness should be replaced or laundered after use to prevent accumulation of PENTA. Even when the treated materials do not show evidence of wetness, tackiness, or crystallization, it is still good practice to have the clothing laundered after use.

**F-4. VOLATILIZED PENTA.**

Under conditions of warm temperatures or enclosed storage, volatilized PENTA may cause respiratory distress and/or eye irritation. An obvious odor of PENTA or irritation of the mucous membranes of the eyes, nose or throat are indications of potentially harmful airborne PENTA dust, mist or vapor.

**F-1**FIGURE 11. Example of Appendix F, Pentachlorophenol (PENTA)- Treated Packing.

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Ventilation sufficient to reduce the irritation to an unnoticeable level, or chemical cartridge respirators with organic vapor cartridges and dust, fume, or mist filters, including pesticide respirators, will be required. If the airborne PENTA concentration exceeds, or is expected to exceed, the Threshold Limit Value (TLV) or 0.5 mg/m<sup>3</sup> Time Weighted Average (TWA), a NIOSH-approved organic vapor respirator with dust prefilter must be worn. The U.S. Army Environmental Hygiene Agency provides the following sampling laboratories should be contacted to verify their particular sampling protocol:

<u>Mechanism</u>	<u>Equipment</u>	<u>Sample Rate or time</u>	<u>Sample Vol. in Liters</u>	
			<u>Min</u>	<u>Max</u>
a. Carried by Sawdust	Filter Cassette closed-face with spacer (CE 0.8 Micron)	1-2 Liters/Minute	50	500
b. Vapor	Midget Impinger (15 ml of Ethylene Glycol)	1.5 Liters/Minute	100	240

If the TLV of 0.5 mg/m<sup>3</sup> is exceeded, adequate precautions must be taken to reduce worker exposure to a safe level.

#### **F-5. WORKING PENTA-TREATED WOOD.**

Personnel should not burn PENTA-treated wood or scraps, due to the transmittability of PENTA particles, dust, and vapor into smoke, and should not be allowed to work PENTA-treated wood (sanding, sawing, drilling, planing, etc.) because of the potential release of PENTA-contaminated particles and dust.

#### **F-6. DISPOSITION OF CONTAMINATED CLOTHING.**

Clothing, rags, or gloves that have been contaminated with PENTA, and are no longer required, should be placed in metal containers and sealed. The containers of waste material should be labeled as to contents and be provided to local property disposal personnel for appropriate disposal. In OCONUS locations, disposal should consider the environmental requirements of the host nation. Specific information on the safe storage and disposal of PENTA-contaminated materials may be obtained from U.S. ARMY Environmental Hygiene Agency, Toxicology Division (HSHB-07) and the Waste Disposal Engineering Division (HSHB-ES-H), Edgewood, MD 21040, DSN 584-2024.

**F-2**

FIGURE 11. Example of Appendix F, Pentachlorophenol (Penta)- Treated Packing Materials - Continued

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**F-7. CRYSTALLIZATION (BLOOMING) OF PENTA-TREATED MATERIALS.**

Crystallization (blooming) of PENTA-treated materials may require correction if it poses a health hazard to individuals, as determined by local medical authorities. The process of removing excess crystals should be accomplished without increasing the health risk to exposed personnel. Specific procedures and industrial hygiene support should be requested from U.S. Army Environmental Hygiene Agency, Toxicology Division (HSHB-ES-H), Edgewood, MD 21040, DSN 584-2024.

**F-8. HANDLING OF LUMBER TREATED WITH ZINC NAPHTHENATE/COPPER NAPHTHENATE.**

Prevent inhalation, ingestion, and skin contact. Personnel should wash hands before eating, drinking, smoking, and using toilet facilities. All exposed areas of the body should be washed at the end of each workday. Leather palmed gloves should offer proper skin protection. If skin irritation is noted, a vinyl-coated glove can then be substituted. Coveralls may be required if irritation is noted for other areas of the body. A NIOSH-approved dust mask should be worn when sawing and machining treated wood.

**F-3**

FIGURE 11. Example of Appendix F, Pentachlorophenol (PENTA)- Treated Packing Materials - Continued.



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APPENDIX A

SINGLE HAZARD ICONS PRESENTATION

A.1 SCOPE

A.1.1 Scope. This appendix lists single hazard icons which may be used in DMWRrnings either singly or in combination. This list is intended to include all approved single hazard icons; additional icons and definitions will be added, as applicable, when this document is amended or revised. This appendix is a mandatory part of the specification. The information contained herein is intended for compliance.

A.2 APPLICABLE DOCUMENTS

This section is not applicable to this appendix.

A.3 DEFINITIONS

A.3.1 Icon. Pictorial representation; visual image to give immediate recognition of a hazard.

A.4 GENERAL REQUIREMENTS

A.4.1 Usage of icons. Icons shall be used with signal word(s). The signal word(s) shall be placed to the right of or below the icon(s) as shown in figure A-1. The icon(s) shall precede applicable text in TMs.

A.4.2 Development of icons.

A.4.2.1 Icons shall be enclosed in a square or rectangular box. The signal word(s) for single icons shall appear outside the box placed to the right or below the icon(s). Type size for signal word(s) shall be no smaller than 10 point; 12 point bold face type is recommended. (See figure A-2 for presentation format for icon usage.)

A.4.2.2 As specified by the contracting activity, icons shall or shall not be prepared for electronic presentation digitizing per Government-provided requirements.

A.5 DETAILED REQUIREMENTS

A.5.1 Icons and definitions. The following icons shall be used in warnings for all TMs governed by this standard when applicable. Unless requirement is specifically excluded by the contracting activity, the signal words and definitions shall be used as listed herein.

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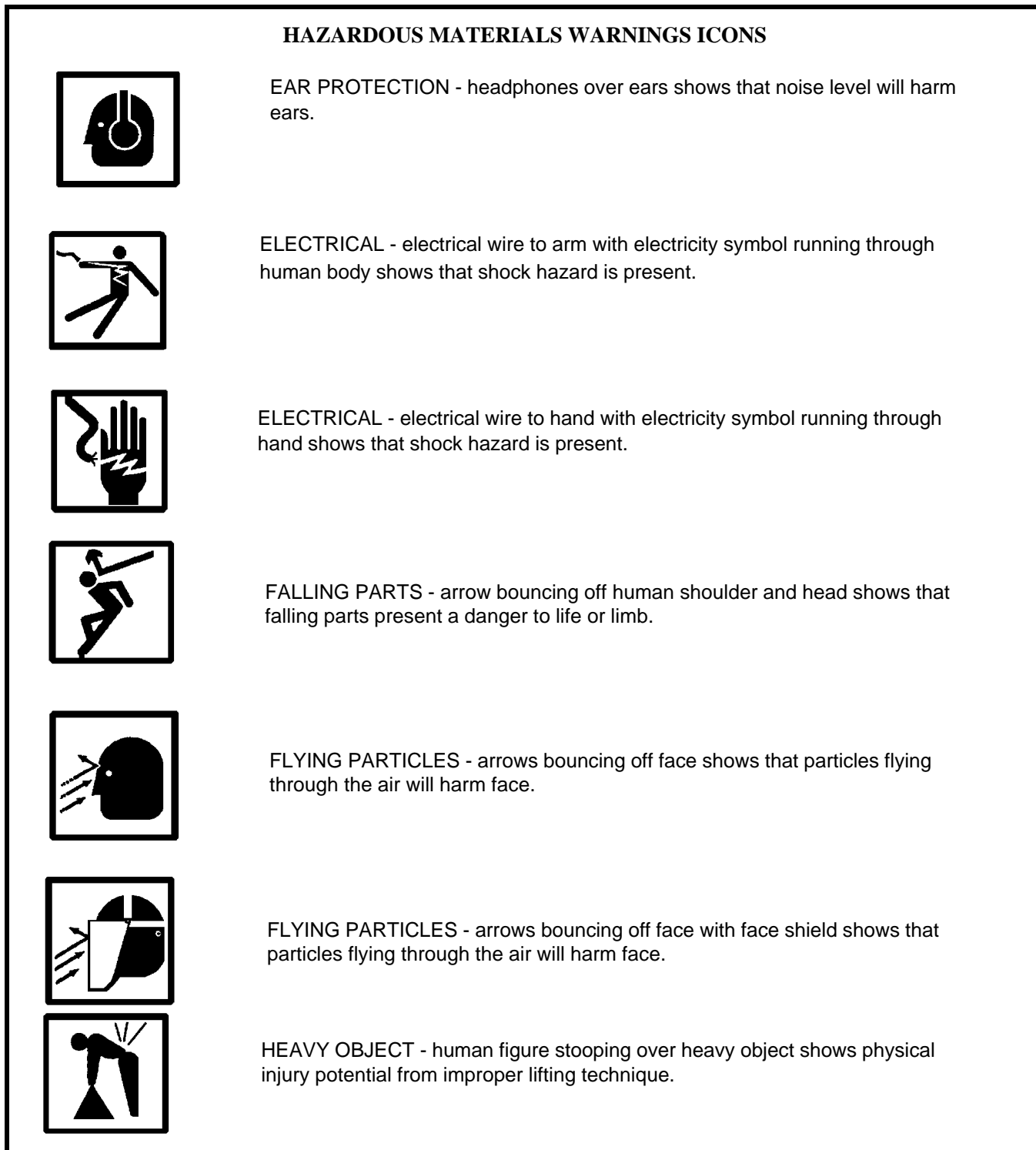


FIGURE A-1. Examples of Icons with Signal Words.

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**HAZARDOUS MATERIALS WARNINGS ICONS - Continued**

HEAVY PARTS - hand with heavy object on top shows that heavy parts can crush and harm.



HEAVY PARTS - foot with heavy object on top shows that heavy parts can crush and harm.



HEAVY PARTS - heavy object on human figure shows that heavy parts present a danger to life or limb.



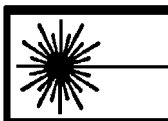
HEAVY PARTS - heavy object pinning human figure against wall shows that heavy, moving parts present a danger to life or limb.



HELMET PROTECTION - arrow bouncing off head with helmet shows that falling parts present a danger.



HOT AREA - hand over object radiating heat shows that part is hot and can burn.



LASER LIGHT - laser light hazard symbol indicates extreme danger for eyes from laser beams and reflections.

FIGURE A-1. Examples of Icons with Signal Words - Continued.

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**HAZARDOUS MATERIALS WARNINGS ICONS - Continued**



MOVING PARTS - human figure with an arm caught between gears shows that the moving parts of the equipment present a danger to life or limb.



MOVING PARTS - hand with fingers caught between gears shows that the moving parts of the equipment present a danger to life or limb.



MOVING PARTS - hand with fingers caught between rollers shows that the moving parts of the equipment present a danger to life or limb.



SHARP OBJECT - pointed object in hand shows that a sharp object presents a danger to limb.



SHARP OBJECT - pointed object in hand shows that a sharp object presents a danger to limb.



SHARP OBJECT - pointed object in foot shows that a sharp object presents a danger to limb.



SLICK FLOOR - wavy line on floor with legs prone shows that slick floor presents a danger for falling.

FIGURE A-1. Examples of Icons with Signal Words - Continued.



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**HAZARDOUS MATERIALS WARNINGS ICONS - Continued**



**BIOLOGICAL** - abstract symbol bug shows that a material may contain bacteria or viruses that present a danger to life or health.



**CHEMICAL** - drops of liquid on hand shows that the material will cause burns or irritation to human skin or tissue.



**CRYOGENIC** - hand in block of ice shows that the material is extremely cold and can injure human skin or tissue.



**EXPLOSION** - rapidly expanding symbol shows that the material may explode if subjected to high temperatures, sources of ignition or high pressure.



**EYE PROTECTION** - person with goggles shows that the material will injure the eyes.



**FIRE** - flame shows that a material may ignite and cause burns.

FIGURE A-1. Examples of Icons with Signal Words- Continued.

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**HAZARDOUS MATERIALS WARNINGS ICONS - Continued**



POISON - skull and crossbones shows that a material is poisonous or is a danger to life.



RADIATION - three circular wedges shows that the material emits radioactive energy and can injure human tissue.



VAPOR - human figure in a cloud shows that material vapors present a danger to life or health.

FIGURE A-1. Examples of Icons with Signal Words - Continued.

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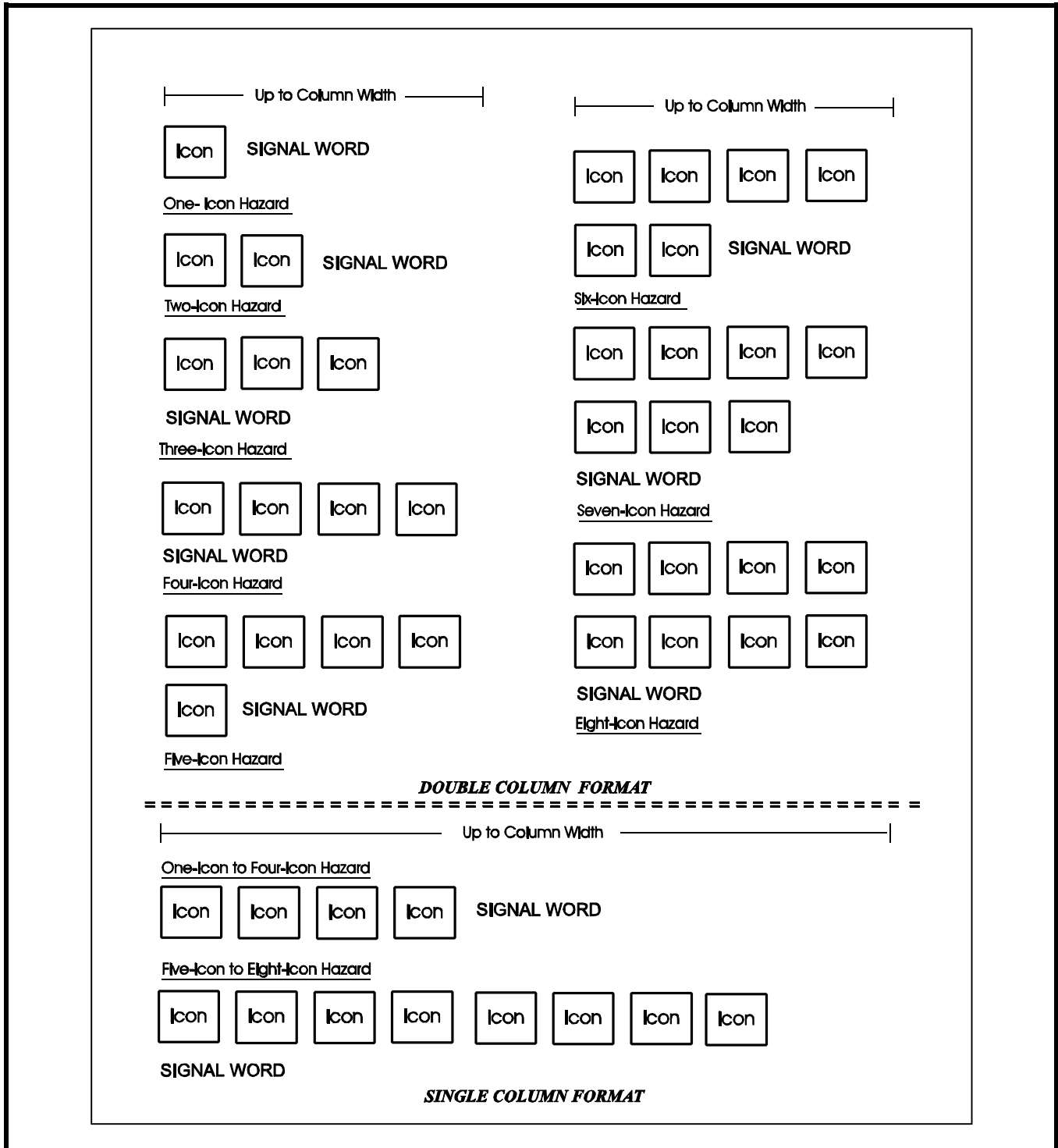


FIGURE A-2. Multiple Icon Usage and Presentation Format.

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**SAFETY WARNING**

- 9. Secure locknut cylinder (1) to hull with three washers (2), and bolts (3). Using torque wrench tighten bolts to 315 - 325 lb-ft (427 - 441 N.m) torque.

**WARNING**



If road wheel lifter slips you could get severely injured by carrier track. Keep feet clear of track when using road wheel lifter.

- 10. Install road wheel lifter. Lower carrier and remove jack from under carrier.

=====

**HAZARDOUS MATERIAL WARNING**

- 7. Slowly discharge pressure to 0 pig by closing shutoff valve and opening bleed valve.

**WARNING**



Fluorinated compound OT20 is an irritant to the eyes and skin. Use safety glasses, and latex gloves or barrier cream. Keep sparks, flames, and heat away. Keep grease off skin, eyes, and clothes.

- 8. Remove plug and O-ring from adapter (37) orifice. Lubricate seal (36) with fluorinated compound OT20 and install seal and relief valve (35) in adapter.

=====

**ABBREVIATED HAZARDOUS MATERIAL WARNING (THIS FORMAT MAY BE USED FOR COMMONLY USED SUBSTANCES. COMPLETE EXPLANATION OF WARNING IS PLACED IN WARNING SUMMARY.)**

- 6. Insert plug connector kits wiring (7) and (8) and contacts/wiring (9,10, and 11) through electrical cable clamp kits (5) or (6) and appropriate capsule cable entry tube. Maintain wire twists.

**WARNING**



**ISOPROPYL ALCOHOL,  
TT - I - 735**

- 7. Isopropyl alcohol (item 5, WP 0062 00) may be used as a lubricant during insertion and removal of contacts. Apply isopropyl alcohol by brushing on capsule insert or by dipping contact or tool.

Figure A-2. Multiple Icon Usage and Presentation Format - Continued.

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APPENDIX B

CONTENT/FORMAT SELECTION SUMMARY FOR  
DEPOT MAINTENANCE WORK REQUIREMENTS (DMWR)  
FOR MAINTENANCE/DEMILITARIZATION OF CONVENTIONAL  
AND CHEMICAL AMMUNITION

B.1 GENERAL.

B.1.1 Scope. This appendix facilitates the tailoring of requirements for DMWRs for maintenance/ demilitarization of 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.

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

B.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.

B.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.

B.2 APPLICABLE DOCUMENTS.

This section is not applicable to this appendix.



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## APPENDIX B

## 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	Style and format	3.1.1			
2	Line drawing illustrations	3.1.4			
3	Engineering drawings	3.1.4			
4	Hazardous materials warnings, safety warnings, and icons	3.1.7			
5	Distribution limitation statement, destruction notice, and export control notice	3.3.1.1			
6	Supersession notice	3.3.1.2			

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: \_\_\_\_\_

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## APPENDIX B

## CONTENT/FORMAT SELECTION SUMMARY SHEET (Continued)

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)	
7	Appendix F PENTA- treated packing materials	3.8.1.6			
8	Other appendixes	3.8.1.9			
9	Verification	4.1			
10	Packaging	5.1			
11	Icons - electronic presentation digitizing	A.4.2.2			

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: \_\_\_\_\_



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Paragraph

Abbreviations	3.1.3
Acquisition requirements	6.2
Acronyms	3.1.3
Appendix	3.8/3.8.1
Appendices, other	3.8.1.9
Applicability	1.3
APPLICABLE DOCUMENTS	2.0
Approved intraplant transfer equipment	3.2i/3.8.1.5
Authentication page	3.9
Cautions	3.1.6
Changes from previous issue	6.5
Change page	3.3.3
Consumable materials	3.2f/3.8.1.2
Corrosion prevention and control (CPC)	3.4.4
Cover	3.3.1
Definitions	3.7
Destruction notice	3.3.1.1/3.3.2
Deviations, waivers and exceptions	3.4.3
Disposition	3.4.6
Distribution limitation statement	3.3.1.1
Environmental requirements	3.2k/3.8.1.7
Environmental regulations compliance	3.4.10
Equipment and special facilities	3.2g/3.8.1.3
Export warning notice	3.3.1.1/3.3.2
Facilities	3.2g/3.8.1.3
Figures	1.2
Forms	3.4.2
Front matter	3.2a/3.3
Government documents	2.2
Hazard analysis	3.2l/3.8.1.8
Hazardous material warnings, safety warnings and icons	3.1.7
Icons	3.1.7
Illustrations	3.1.4
Intended use	6.1
Introduction	3.2b/3.4
National stock numbers (NSN)	3.1.2

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	<u>Paragraph</u>
Nomenclature .....	3.1.2
Notes .....	3.1.6
 NOTES .....	 6.0
Order of precedence .....	2.3
Operational requirements .....	3.2c/3.5
 PACKAGING .....	 5.0
Page and paragraph numbering .....	3.1.1.1
Part numbers .....	3.1.2
Pentachlorophenol (PENTA) treated packing materials .....	3.2j/3.4.8/3.8.1.6
Protection .....	3.4.8/3.4.9
 Quality Acceptance Requirements .....	 3.2d/3.6
Records .....	3.4.2
References .....	3.1.5/3.2e/3.8.1.1
Reporting errors and recommending improvements .....	3.3.2/3.3.2.2
Reports .....	3.4.2
<b>REQUIREMENTS</b> .....	<b>3.0</b>
Resource recovery .....	3.4.11
 Safety requirements .....	 3.4.7
<b>SCOPE</b> .....	<b>1.0</b>
Scope .....	1.1/3.4.1
Specifications .....	2.1
Standards .....	2.2.1
Style and format .....	3.1.1
Subject terms listing .....	6.3
Supersession notice .....	3.3.1.2
 Table of contents .....	 3.3.3
Tabulated data .....	3.2h/3.4.12/3.8.1.4
Technical manuals .....	6.4
Title block3.3.4/3.3.4.1 .....	3.3.4/3.3.4.1
 <b>VERIFICATION</b> .....	 <b>4.0</b>
Warnings .....	3.1.6
Warning page .....	3.3.2
Work planning .....	3.4.5

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**CONCLUDING MATERIAL**

**CUSTODIAN:**

Army - TM  
Navy - SH

**PREPARINGACTIVITY:**

Army - TM

**Review Activities:**

Army - AL, AR, CR, EA, MI  
Navy - AS, NW, NM

Project Number TMSS 0308



**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-63012B (TM)**

2. DOCUMENT DATE: (YMMDD)

**980420**

3. DOCUMENT TITLE

**MANUALS, TECHNICAL: DEPOT MAINTENANCE WORK REQUIREMENTS FOR MAINTENANCE/  
DEMILITARIZATION OF CONVENTIONAL AND CHEMICAL AMMUNITION**

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:

Defense Quality and Standardization Office

5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466

Telephone (703) 756-2340 AUTOVON 289-2340

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