

**NOT MEASUREMENT
SENSITIVE**

**MIL-PRF-63017B(TM)
17 July 1997**

**SUPERSEDING
MIL-M-63017A(TM)
21 November 1989**

**PERFORMANCE SPECIFICATION
MANUALS, TECHNICAL:
REQUIREMENTS FOR MUNITION EQUIPMENT
AND AMMUNITION DATA SHEETS**

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 detailed requirements for the preparation of data sheet technical manuals for munition equipment and ammunition. No other types or classifications of technical manuals may be prepared using this specification.

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 A7278

AREA TMSS

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

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

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.)

2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein (except for related associated specifications or specification sheets), the text of this document takes precedence. Nothing in this document, however, supersede applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 General. The TM shall conform to the following general requirements:

3.1.1 Style and format. Unless otherwise specified herein, the general style and format of munition equipment and ammunition data sheet technical manuals (TM) shall be prepared in accordance with MIL-STD-38784,

3.1.2 Illustrations. Illustrations shall be integrated with text and shall be used when text alone is not adequate.

3.1.3 Security classification markings. Security classification markings, if applicable, shall be placed on the front cover and title or title block page, in accordance with MIL-STD-38784.

3.1.4 Numbering. All numbering (e.g., paragraph, table, figure, etc.) shall be in accordance with MIL-STD-38784.

3.1.5 Callouts. Callouts on illustrations shall be identified by the item name.

3.1.6 Divisions. The TM shall be divided into volume, chapter, section, and paragraph sequence, as applicable, in accordance with MIL-STD-38784.

3.2 Content and arrangement. The TM shall consist of the following:

3.2.1 Front matter. Front matter shall include the following:

3.2.1.1 Cover. The cover shall contain the publication number, publication type, title, distribution statement, and publication date. See figure 1.

3.2.1.2 List of effective pages. The list of effective pages shall contain the total number of pages in the publication, a complete list of all the pages, and the latest change number of each page. See figure 2.

3.2.1.3 Title block/reporting errors and recommending improvements page. The title block page shall include all the pertinent data as shown in figure 3, as applicable.

3.2.1.4 Reporting of errors. The following reporting of errors paragraph shall be placed on the title block page.

“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 publication, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: (the address of proponent). A reply will be sent to you.”

One filled out copy of DA Form 2028-2 marked “Sample”, and three blank DA Forms 2028-2 shall be included at the back of every TM. The three blank copies shall be perforated, tear-out forms preprinted with the applicable TM number, date, and title. The proponent’s address shall be printed on the reverse side.

3.2.1.5 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.

3.2.1.6 Introduction. The introduction paragraph shall be placed on the first page after the table of contents. If the table of contents ends on a left-facing page, the reverse right-facing page shall be blank and the introduction paragraph shall begin on the next left-facing page. The introduction paragraph shall include the following statement:

“This manual is a reference document published as an aid in training, familiarization, and identification of (insert commodity item). This manual is not authorization for requisitioning, stockage, maintenance, or issue of the material described herein”

3.2.2 Data sheets. Information on data sheets (see 6.4.2) shall contain, as applicable, the following information. NOTE: “a” is applicable to ammunition data sheets only; “e” is applicable to munitions equipment data sheets only; no code is applicable to both) (see figures 4 and 5).

- a. Photograph or line drawing of the munitions equipment or ammunition item
- b. Type classification (a)
- c. Use

- d. Description
- e. Differences between models
- f. Tabulated data
- g. Performance (a)
- h. Federal supply code (a)
- i. Unit of issue (a)
- j. Packing data (a)
- k. Shipping and storage data
- l. Functioning (a)
- m. Limitations (a)
- n. References (a)
- o. Drawings (a)
- p. Remarks (a)
- q. Associated equipment (e)
- r. Kits (e)

3.2.2.1 Photograph or line drawing of the munitions equipment or ammunition item. Self explanatory.

3.2.2.2 Type classification. The type classification paragraph shall be the first paragraph of the ammunition data sheet and shall list the type classification (see 6.4.4) of the item.

3.2.2.3 Use. This paragraph shall describe the purpose for which the item is used.

3.2.2.4 Description. The description paragraph shall include the general characteristics, capabilities, and features of the item. Color coding information for ammunition items shall be included, as applicable.

3.2.2.5 Differences between models. This paragraph shall identify differences in configuration or models when more than one model is described. Differences shall be clearly identified.

3.2.2.6 Tabulated data. This paragraph shall provide descriptive data of the item and its components. Ammunition items shall have: model, dimensions, weight, color, type of explosive used, packaging. Munitions equipment shall have: Ammunition Peculiar Equipment (APE) number, unit of issue, installation data, utilities required, and production capacity.

3.2.2.7 Performance. This paragraph shall present information describing the normal use or operation of the item (e.g., chamber pressure, velocity, maximum range, trace, etc.).

3.2.2.8 Federal supply code. This paragraph shall include the national stock number and the Department of Defense Ammunition Code (DODAC) (see 6.4.3).

3.2.2.9 Unit of issue. The smallest quantity of an item authorized for issue.

3.2.2.10 Packing data. Dimensions (length, width, height, and cube) and weight of a full depot pack configuration of the item.

3.2.2.11 Shipping and storage data. For ammunition items, this paragraph shall list all applicable shipping and storage data such as hazard classification and storage compatibility group, United Nations Organization (UNO) serial number and shipping name, and Department of Transportation (DOT) class. For munitions equipment it shall list the physical dimensions, weight, and cube of the equipment.

3.2.2.12 Functioning. This paragraph shall include a simple description of how the item functions. The description shall explain what functional affect it has on other components and shall be presented by simple text and illustrations, as appropriate.

3.2.2.13 References. This paragraph shall be a list, citing only publication numbers, of all related technical manuals (TM), field manuals (FM), and supply catalogs (SC).

3.2.2.14 Drawings. All applicable ammunition drawings, by number only of the ammunition end-item, components, and packaging configurations.

3.2.2.15 Remarks. Any other information deemed pertinent.

3.2.2.16 Associated equipment. Additional APE that is used in conjunction with the described munitions equipment.

3.2.2.17 Kits. APE accessory equipment not normally supplied with the end item.

3.2.3 Appendices. Ammunition data sheet TMs shall contain appendices as specified by the contracting activity. Munitions equipment data sheet TMs shall contain the following appendices.

3.2.3.1 Appendix A - deleted items. This appendix shall appear in all editions subsequent to the first edition. It shall consist of an alphabetical list of all items deleted from this TM as a result of a technical committee action or materiel status record (MSR). On first editions which contain no deleted items, Appendix A shall contain the following statement: "Since this is the first edition, there are no deleted items." (see figure 6).

3.2.3.2 Appendix B - operational index. When specified by the contracting activity, the TM shall contain an operational appendix. It shall provide a cross-reference between ammunition items and the APE items needed for function testing, inspecting, maintenance, renovation, and demilitarization of the ammunition item. This appendix may consist of one or more sections (see figure 7).

3.2.3.3 Appendix C - Preparation and handling of ammunition peculiar equipment for shipment and storage. When specified by the contracting activity, the TM shall contain a preparation and handling of APE for shipment and storage appendix. It shall contain an introduction (scope and definitions), general requirements (program requirements, levels of protection, and basic requirements), and detailed requirements section, as applicable, and requirements for checking for and removal of explosive contamination (see figure 8).

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

4. VERIFICATION

4.1 Verification. Verification shall be as specified by the contracting activity in the contract or order (see 6.2).

5. PACKAGING

5.1 Packaging. For acquisition purposes, 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.

5.2 Classified material. All classified material shall be safeguarded, packaged, and marked in accordance with DOD 5220.22-M.

6. NOTES

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

6.1 Intended use. Munition equipment and ammunition data sheet TMs written to this specification are for training purposes only.

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

- a. Title, number, and date of this specification.
- b. The issue of the DODISS cited or, if required, the specific issue of the referenced documents (see 2.2.1).
- c. Title and publication number of the technical manual (see 3.2.1.1).
- d. Type of reproducible copy desired..
- e. Size of TM.
- f. Verification requirements (see 4.1).
- g. Packaging requirements (see 5.1).
- h. Completed Content/Format Selection Summary (Appendix).

6.3 Technical manual acquisition. This specification must be listed on the Contract Data Requirements List (DD Form 1423) in order to acquire the technical manuals described by this specification, except where Defense Federal Acquisition Regulation exempts the requirement for a DD Form 1423.

6.4 Definitions.

6.4.1 Basis of issue. Authority that prescribes the number of items to be issued to an individual, a unit, a military organization, or for a unit piece of equipment.

6.4.2 Data sheet. A complete unit in a TM containing text and illustration(s) to provide reference information on one commodity item (see 3.2.2).

6.4.3 Department of Defense Ammunition Code (DODAC). A code comprised of the Federal Supply Class and the Department of Defense Identification Code (see 3.2.2.8).

6.4.4 Type classification. A designation used by the Army that indicates acceptability for service use (see 3.2.2.2).

6.4.5 Unit of issue. The smallest quantity of the item authorized for issue.

6.5 Acronyms. The following acronyms are used in this specification:

APE — Ammunition Peculiar Equipment
DODAC — Department of Defense Ammunition Code

6.6 Subject term (key word) listing.

APE
Data sheet
DODAC
Munition Equipment

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 extent of the changes.

TECHNICAL MANUAL

ARMY AMMUNITION DATA SHEETS

ARTILLERY

AMMUNITION

GUNS, HOWITZERS,

MORTARS,

RECOILLESS RIFLES,

GRENADE LAUNCHERS,

AND

ARTILLERY FUZES

(FSC 1310, 1315, 1320, 1390)

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

HEADQUARTERS, DEPARTMENT OF THE ARMY

APRIL 1994

FIGURE 1. Example of a cover.

LIST OF EFFECTIVE PAGES

When applicable, insert latest change pages and dispose of superseded pages in accordance with applicable regulations.

TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 835
CONSISTING OF THE FOLLOWING

<i>Page No.</i>	<i>*Change No.</i>
Cover	0
Inside Cover	0
A and B	0
i thru x	0
1-1 thru 1-4	0
2-1 thru 2-164	0
3-1 thru 3-188	0
4-1 thru 4-116	0
5-1 thru 5-36	0
6-1 thru 6-56	0
7-1 thru 7-150	0
8-1 thru 8-82	0
A-1 thru A-4	0
B-1 thru B-14	0
C-1 thru C-6	0
Authentication Page	0

* Zero indicates an original page.

A

FIGURE 2. Example of a list of effective pages.

***TM 43-0001-28**

Technical Manual)
)
 No. 43-0001-28)

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 Washington, DC, 28 April 1994

**ARMY AMMUNITION DATA SHEETS
 FOR ARTILLERY AMMUNITION:
 GUNS, HOWITZERS, MORTARS, RECOILLESS RIFLES, GRENADE LAUNCHERS AND
 ARTILLERY FUZES
 (Federal Supply Class 1310, 1315, 1320, 1390)**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

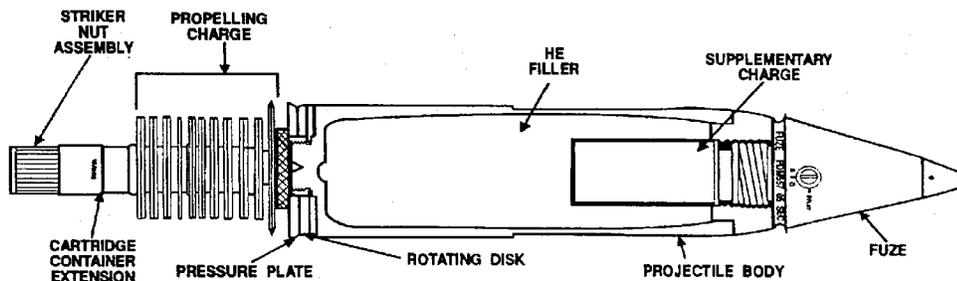
You can help improve this manual. If you find any mistakes, or if you know of a way to improve this publication, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Commander, U.S. Army Armament Research, Development, and Engineering Center, ATTN: SMCAR-LSB, Picatinny Arsenal, NJ 07806-5000. A reply will be sent to you.

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*This manual supersedes TM 43-0001-28, 25 April 1977, including all changes.

FIGURE 3. Example of a title block page.

CARTRIDGE, 4.2-INCH: HE, M329A1



Type

Classification:

Std (LCC-B) 01756003.

Use:

This cartridge is used against personnel and materiel, providing both fragmentation and blast effect.

Description:

The complete round consists of a projectile body, a fuze, and a tail assembly. The steel body is designed to accommodate an impact, delay, or proximity fuze. A deep fuze well in the nose is fitted with a supplementary charge of TNT. This charge is removed to accommodate certain proximity fuzes. The tail assembly includes a pressure plate and rotating disc, a propelling charge, a cartridge container and ignition cartridge, and a striker nut assembly.

Functioning:

When the cartridge is released, it slides down the mortar tube until the percussion primer strikes the firing pin. The flash from the primer ignites the ignition cartridge which, in turn, ignites the propelling charge. The gases from the propelling charge exert pressure on the pressure plate at the base of the projectile which expands the rotating disc, engaging it in the rifling of the tube. The spin, imparted to the projectile as it leaves the weapon, stabilizes it in flight. The functioning of the fuze

deto
nates the supplementary charge and, in turn, the high explosive charge. Depending on the type of fuze used, the projectile bursts either over or on target, producing near optimum fragmentation and blast effect.

Tabulated Data:

Complete Round:	
Type	HE
Weight	27.07 lb
Length	25.79 in (65.51 cm)
Cannon used with	M2, M30
Projectile:	
Body material:	Steel tube
Color	Olive drab w/white markings
Filler and weight	TNT, 7.08 lb (3.21 kg)
Supplementary charge	TNT, 0.365 lb
Components:	
Ignition Charge	M2A2*
Propelling Charge	M36A1*
Fuze	PD, M557; MTSQ M520 series or M564, Prox, M513 series

*NOTE: See separate data sheets

FIGURE 4. Example of an ammunition data sheet.

TM 43-0001-28

Performance (full charge):

Maximum range 6180 yd
(5650 m)
Muzzle velocity 981 fps
(299 mps)

Temperature Limits:

Firing:

Lower limit -40°F (-40°C)
Upper limit +125°F
(+52°C)

Storage:

Lower limit -80°F (-62.2°C)
(for period not more
than 3 days)
Upper limit +160°F
(+71.1°C)
(for period not more
than 4 days)

**Packing 1 round in fiber
container; 2 fiber
containers in wooden
box

**Packing Box:

Weight 76 lb
(34.47 kg)

Dimensions 31-5/16 x 11-13/16
x 7-3/8 in (79.53 x
30 x 18.73 cm)

Cube 1.6 cu ft (0.05 cu m)

**NOTE: See DoD Consolidated ammunition Catalog
for complete packaging data including
NSNs.

Shipping and Storage Data :

UNO serial number 0006
Quantity-distance class 1.1
Storage compatibility group E
DOT shipping class A
DOT designation AMMUNITION
FOR CANNON
WITH
EXPLOSIVE
PROJECTILES
DODAC 1315-C704
w/ fuze
DODAC 1315-C705
w/o fuze
Drawing Number 5863685

Limitations:

Short rounds may occur when firing with fewer than 10
increments. Minimum charge for firing with a proximity
fuze is 10 increments. The Point Detonating Fuze: M739
series with the M329 series cartridges were not qualified
during acceptance test. At the present time, the fuze
M557 is the only PD fuze authorized for use with the
M329 series cartridges.

References:

TM 9-1015-215-10
TM 9-1300-251-20

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FIGURE 4. Example of an ammunition data sheet - Continued.

TM 43-0001-47

APE 1028 --- SYSTEM, VACUUM COLLECTION

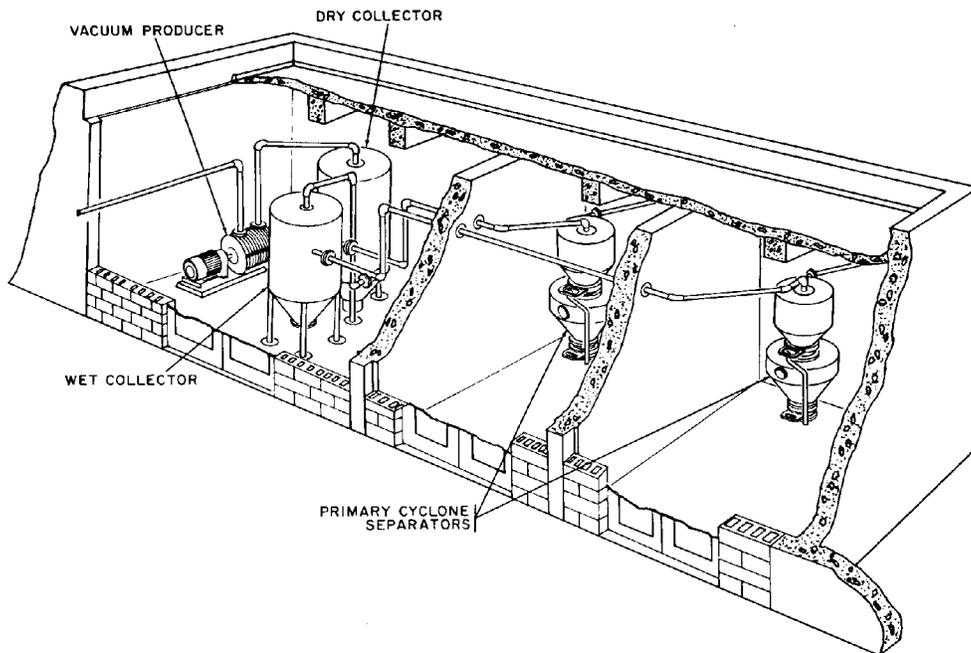


Figure 2-12.

Use:

The vacuum collection system was developed to convey propellant from maintenance operations to a powder collection building.

Description:

The component parts of this system are a vacuum producer; a primary separator and storage hopper; a wet type explosives separator; and a dry type explosives separator. All components are connected by stainless steel piping. This is installed equipment requiring special layouts adaptable to various locations.

Difference Between Difference Between Models:

Original design

Tabulated Data:

APE No.	10280000
Unit of Issue	Each
Installation Data:	
Length	not available
Width	dependent on plant layout
Height	not available
Weight	not available
Utilities Required:	
220 vac, 3 phase, 60 Hz, 27 amp.	

Installation Data:

Length	not available
Width	dependent on plant layout

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FIGURE 5. Example of a munitions equipment data sheet.

Height not available
 Weight not available
 Utilities Required:
 220 vac, 3 phase, 60 Hz, 27 amp.
 Production Capacity:
 Not applicable.

Shipping Data:

EXHAUSTER

Length 72 in.
 Width 36 in.
 Height 24 in.
 Cube 36 cu. ft.
 Weight 2000 lb.

WET COLLECTOR

Length 72 in.
 Width 36 in.
 Height 36 in.
 Cube 54 cu.ft.
 Weight 750 lb.

DRY COLLECTOR

Length 108 in.
 Width 36 in.
 Height 36 in.
 Cube 81 cu. ft.
 Weight 1000 lb.

HOPPER

Length 84 in.
 Width 24 in.
 Height 24 in.
 Cube 28 cu. ft.
 Weight 750 lb.

PIPING

Length 14 ft.
 Width 4 ft.
 Height 4 ft.
 Cube 224 cu. ft.
 Weight 1200 lb.

Associated Equipment:

None.

Kits:

1028E001 KIT, Exhauster, Centrifugal
 1028E003 KIT, Control System,
 Propellant Discharge,
 Pneumatic

FIGURE 5. Example of a munitions equipment data sheet - Continued.

APPENDIX A
DELETED ITEMS

The following Ammunition Peculiar Equipment are deleted items. They are not to be used in ammunition operations; they are superseded, obsolete or are no longer required.

APE Number	Items
APE 1005	Primer Press Machine
APE 1006	Debagging Machine
APE 1007	Heat Exchanger
APE 1008	Ammunition Projectile Cart
APE 1008A	Ammunition Complete Round Cart
APE 1008B	Ammunition Small Items Cart
APE 1009M4	Furnace, Deactivation
APE 1012	Flashing Furnace
APE 1013	Explosive Washout Plant
APE 1014	Pickling Unit, 6-Tank
APE 1015	Pickling Unit, 9-Tank
APE 1016	Deactivation Furnace Facility
APE 1017	Washout Facility
APE 1018	Bomb Head Break Off Machine
APE 1019	Propellant Beaker
APE 1020	Bomb Washout Fixture
APE 1023	Paint Spray Booth
APE 1026	Fuze Removing Machine, 37-MM M56 PD Fuze
APE 1027	Priming and Depriming Machine, Fulcrum Lever Type
APE 1030M1	Machine Powered Strapping
APE 1031	Warm Air Makeup System
APE 1033	Marking Machine
APE 1034	Box Repair Machine
APE 1038	Doors, Armor Plate, BSR
APE 1040	Storage Hopper
APE 1041	Pitch in Protective Barricade
APE 1046	Small Arms Brass Storage Tank
APE 1047	Mutilation Machine
APE 1048	Abrasive Blast Machine

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FIGURE 6. Example of a deleted items appendix.

APPENDIX B
OPERATIONAL INDEX

This appendix contains a cross reference between ammunition items and the APE items needed for function testing, inspecting, maintenance, renovation and demilitarization of the ammunition item.

Section I. SURVEILLANCE FUNCTION TESTS

Items tested	Equipment used for test	
	APE no.	Nomenclature
AMMUNITION FUNCTION TESTING	1937/1905	Shelter, Personnel Protection
BOMB, FIRE FMU 7A/B, FMU 7B/B, and 7C/B: Fuze Assembly, Indicator Assembly, and Cable Assembly	1935	Test Equipment Continuity and function FMU 7A/B Fire Bomb
CAP, BLASTING ELECTRIC	1901	Tank, Immersion
	1903	Table, Testing, Function
	1916M1	Oven, Preconditioning
	1938/1904	Chamber, Low Temperature
	1980	Universal Resistance Test Instrument
CAP, BLASTING NONELECTRIC; M7 Special: Type 1 (J-1) (PETN or RDX) No. 6 and 8, Instantaneous Tetryl, Type A	1903	Table, Testing
	1903E005	Kit Function Test
	1916M1	Nonelectric Blasting Caps Oven, Preconditioning
	1938/1904	Chamber, Low Temperature
CARTRIDGE, PHOTOFLASH: M112 Series (, 2, and 4 Second Delay) Practice M121 and M124 M112, M112A1, M121 Ctgs	1902M2/1908	Device Holding, Function Test Measuring Device, Altitude and Drift
	1921M2	Device, Photoflash, Cartridge Test
	1921E001	Kit, Testing

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FIGURE 7. Example of an operational appendix.

APPENDIX C

PREPARATION AND HANDLING OF
AMMUNITION PECULIAR EQUIPMENT
FOR SHIPMENT AND STORAGE

Section I. INTRODUCTION

C-1 Scope

a. This appendix contains instructions for the preparation and handling of Ammunition Peculiar Equipment (APE) for shipment and storage. It applies to equipment which has been inspected, tested and determined to be suitable for retention in the APE system. The procedures and methods contained herein provide uniform guidance on the minimum requirements for disassembly, inspection, cleaning, preservation-packaging, packing, marking, blocking, bracing and skidding prior to shipment or storage. Storage requirements include maintenance and surveillance of equipment throughout the storage period.

b. The provisions of this appendix apply to all organizations controlling APE to be shipped, placed in storage, or laid away for future use.

C-2. Definitions

For the purpose of this appendix, the following definitions apply.

a. Cleaning. Cleaning is a process accomplished by a variety of methods and techniques to remove all sludge, chips, abrasives, dirt, rust and other harmful foreign matter.

b. Compressed air, moisture-free. Moisture-free compressed air is obtained by using properly maintained traps, filters and desiccators in the source system.

c. Disassembly. Disassembly means the removal of only those major and minor assemblies and components required to provide access to machine areas for inspection, cleaning, preservation and preparation for shipment.

d. Documentation. Documentation consists of packing lists, inspection and test reports, operating and installation instructions, diagrams of electrical, fluidic, pneumatic and hydraulic systems and utility connections. When specified, the documentation shall include photographs, manufacturing procedures and other required technical data.

e. Equipment, non-serviceable. A type of plant equipment which, due to size or design, cannot be removed economically from its installed position for storage or shipment.

f. Exercising. Periodic operation of a machine under no-load conditions to distribute lubricants or preservatives.

g. Shipping Document. A document prepared on DD Form 1149, Requisition and Invoice/Ship-ping Document, or DD Form 1348, Single Line Item Requisition System Document, which directs or authorizes movement and transfer of accountability of APE items reportable to AMCCOM.

h. Owning Agency. The organization which has accountability for APE.

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FIGURE 8. Example of a preparation and handling of APE for shipment and storage appendix.

APPENDIX

**CONTENT/FORMAT SELECTION SUMMARY FOR
MUNITIONS EQUIPMENT AND AMMUNITION DATA SHEETS (TM)**

A.1 GENERAL.

A.1.1 Scope. This appendix may be used to tailor out the optional requirements that are not to be contractually imposed in the acquisition of munitions equipment and ammunition data sheet TMs. 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

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)	©
			Options Selected		Explanation/Remarks
(yes)	(no)				
1	Appendices	3.2.3			
2	Appendix A	3.2.3.1			
3	Appendix B	3.2.3.2			
4	Appendix C	3.2.3.3			
5	Verification	4.1			
6	Packaging	5.1			

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© are a mandatory part of this contract.

COMPLETED BY: _____
(authorized signature)

PUBLICATIONS ACTIVITY: _____ DATE: _____

CONCLUDING MATERIAL

Custodian:
Army - TM

Preparing Activity:
Army - TM

Review Activities:
Army: AR, AT, AV, CE, CU, ME, MI, SC

Project TMSS (A310)

Executive Director
USAMC Logistics Support Activity
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