

MIL-M-63018A

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SUPERSEDING

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15 August 1974

MILITARY SPECIFICATION

MANUALS, TECHNICAL: NONNUCLEAR EXPLOSIVE ORDNANCE DISPOSAL

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

1. SCOPE.

1.1 This specification covers technical content requirements for the preparation of Explosive Ordnance Disposal (EOD) manuals relating to U.S. nonnuclear explosive ordnance, all categories of foreign explosive ordnance, and aircraft weapons systems.

1.2 *Classification.* Technical manuals covered by this specification shall be of the following types as specified in the contract or order (see 6.2):

- Type I. - Specific ordnance item
- Type II. - General information (class of ordnance)
- Type III. - General information (tools, techniques, and special subjects)
- Type IV. - Aircraft weapons systems
- Type V. - Identification (ID) guides

2. APPLICABLE DOCUMENTS

2.1 *Issues of documents.* The following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

SPECIFICATIONS

Military

MIL-M-38784

Manuals, Technical:
General Style and Format
Requirements

STANDARDS

Military

MIL-STD-444

Nomenclature and
Definitions in the
Ammunition Area

(Copies of documents required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

3. REQUIREMENTS.

3.1 Format requirements shall be in accordance with MIL-M-38784, except as otherwise specified by the procuring activity.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commanding Officer, Naval Ordnance Station, Standardization Division (611), Indian Head, Maryland 20640, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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3.2 Front matter for these manuals shall be in accordance with MIL-M-38784, except as otherwise specified by the procuring activity.

3.3 *Content headings.* The content headings contained in the various types of EOD manuals may be identical from one manual to another. Table 1 lists the types of EOD manuals and the content headings required to be included in each one. It is the intent of this specification not to repeat information under a heading which is duplicated in other manual types. A detailed description, contained under "Technical content of EOD manuals," is given of the type of information to be included under each heading. Clarification is provided for peculiarities between manuals.

3.4 *Measurements.* Measurements (such as weights and dimensions) shall be given in both the metric and English systems in all EOD manuals. However, this general rule will not apply in those cases where the dimension or weight is considered part of the nomenclature of the item (e.g., 90-mm projectile, 1,000-pound bomb, 6-inch wrench, 2 1/2-pound block of plastic explosive). In these cases, only the metric or English system will apply.

3.5 *References.* As a general policy, reference to other EOD manuals shall be made in lieu of repeating subject matter; however, reference shall normally be by subject and not by publication number. In those cases where this is not possible, the publication number may be cited.

Table 1. EOD manual types and content headings

MANUAL TYPE ¹ \ CONTENT ² HEADINGS	SAFETY SUMMARY/ EMERGENCY PROCEDURES ³	INTRODUCTION	IDENTIFICATION	DESCRIPTION	HAZARDOUS COMPONENTS	FUNCTIONING	PROCEDURES	MAINTENANCE ⁴
SPECIFIC ORDNANCE ITEM	x		x	x	x	x	x	
GENERAL INFORMATION (CLASS OF ORDNANCE)		x	x	x	x	x		
GENERAL INFORMATION (TOOLS, TECHNIQUES, AND SPECIAL SUBJECTS) ⁵	x	x		x			x	x
AIRCRAFT WEAPONS SYSTEMS	x	x		x			x	
<p>1. Identification (ID) Guides are not included in this table since they have no headings.</p> <p>2. Another heading, "Supplementary Information," may be used as part of any manual type to provide data that does not conform with the other headings.</p> <p>3. Only Aircraft Weapons Systems manuals contain emergency procedures.</p> <p>4. Applicable only to General Information Manuals on Tools.</p> <p>5. The content headings for General Information Manuals on Special Subjects are recommended but not required. The nature of the subject may necessitate using different headings.</p>								

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3.6 Types of EOD manuals.

3.6.1 *Specific ordnance item.* These manuals provide information for identifying, rendering safe, and disposing of a specific item of ordnance. The nomenclature and definitions used in these manuals shall conform to those of MIL-STD-444. These manuals are broadly divided into two sections: Section 1 - Descriptive Information and Section 2 - EOD Procedures. Section 1 contains the headings "Identification," "Description," "Hazardous Components," and "Functioning." Section 2 contains the headings "Appearance," "Render Safe Procedures," and "Disposal Procedures." The specific ordnance item category also includes Data Sheets which are preliminary-type manuals. Additional headings may be included to enhance manual usability.

3.6.2 *General information.* These manuals cover those subject areas which are general to the EOD field. They are generally supportive in nature and are intended to enhance the EOD mission. In some cases, it may be necessary to deviate from or expand on the recommended heading arrangement due to the particular requirements of the subject. However, any proposed deviation or expansion shall be coordinated with the procuring activity.

3.6.2.1 *General information on a class of ordnance, including Improvised Explosive Devices (IED's).* For the purpose of this specification, a "class of ordnance" is defined as any category of explosive ordnance which may be grouped according to overall designed functional purpose (e.g., bombs, clusters, projectiles, grenades, rockets, missiles, IED's, etc.). A typical title for this type of manual is "General Information on U.S.S.R. Bombs."

3.6.2.2 *General information on EOD tools.* These manuals provide coverage on the use of EOD tools in support of the EOD mission. They shall not contain information concerning the application against a specific ordnance item or class of ordnance.

3.6.2.3 *General information on EOD techniques.* These manuals provide information on basic EOD techniques (e.g., "Tape and Line," "Baseplate Removal," "Freezing," etc.) in support of the EOD mission. It is not the purpose of these manuals to describe EOD tools and equipment,

except as they are used as part of a particular technique. Such areas as tool functioning and assembly should be avoided in these manuals.

3.6.2.4 *General information on special subjects.* These manuals provide information on subject areas which cannot be considered as part of a class of ordnance, tools, or techniques. They are considered EOD-related in that they provide information required to enhance the chances for success of the EOD mission (e.g., "General Demolition Procedures," "Conventional Explosives and Related Hazardous Materials," etc.).

3.6.3 *Aircraft weapons systems.* These manuals provide descriptive information and EOD procedures on explosive ordnance and other hazards associated with aircraft. Manuals shall include all data and procedures necessary to safe or remove hazards associated with the applicable weapon system being covered. All essential information shall be included even though the procedure does not normally fall within the scope of EOD responsibilities.

3.6.4 *Identification (ID) guides.* The ID guides are ready-reference identification manuals for specific ordnance items. They also list other ordnance items used with the basic item along with the corresponding EOD procedure manual. Items are arranged alpha-numerically by class of ordnance, and may be located by name or by illustration. The guides consist of two manuals, the Surface Ordnance Guide and the Underwater Ordnance Guide. Illustrations should be external views with the significant dimensions shown as in a specific ordnance item manual. They shall consist of realistic artwork rendered to clearly and accurately represent the item. Multiple illustrations shall be used as requested by the procuring activity. Specific ordnance item manuals and general information manuals on a class of ordnance shall be individually referenced, as applicable, for each item listed in the "Ordnance Used With" column. If no publication coverage exists for ordnance-used-with, "Not covered" shall be listed in the publication column. Integral components shall not be listed under the "Ordnance Used With" column.

3.7 *Technical content of EOD manuals.* The following content headings contain the minimum information required to satisfy the technical content

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requirements of each type of manual. This information should be used in conjunction with table 1.

3.7.1 *Safety summary/emergency procedures.*

3.7.1.1 *Safety summary.* All manuals shall contain a safety summary. Data Sheets shall contain, as a minimum, the following statement under this heading: "Refer to the applicable portion of the general safety precautions manual."

3.7.1.2 *Safety Precautions/Warnings/Cautions.* Safety precautions will be listed in the safety summary only when they create an awareness of a hazard whose potential is equivalent to that normally addressed in warnings and cautions. For instance, the precaution not to disturb a fuze with a cocked striker needs to be observed at all times; consequently the placement of a warning or caution only before a particular procedural step would not create the desired awareness. Warnings and cautions will be extracted from the manual and placed under the safety summary heading; they shall be only those which are specific to the ordnance covered. Aircraft weapons systems manuals will also contain a figure showing the "hazardous approach area" for the specific aircraft.

3.7.1.3 *Emergency procedures.* An emergency procedures reference page shall list the paragraph number, paragraph title, and page number of all paragraphs in the manual applicable to aircraft recovery, systems safing, and weapons removal emergency procedures.

3.7.2 *Introduction.* The introduction shall include the purpose and scope of the manual to provide the user with an understanding of the basic philosophy and intent. In the case of general information manuals on a class of ordnance, a brief history of the development and use of the class should be given, if pertinent and as required, but shall be limited to EOD-significant information. Additional information, as specified by the procuring activity, shall be included to insure adequate subject coverage. For manuals on aircraft weapons systems, the following shall be included verbatim as minimum information and general format:

PURPOSE

This manual contains descriptive information and procedures to be used by Explosive Ordnance Disposal (EOD) personnel engaged in or responsible for EOD operations. This manual is intended for use by EOD personnel and will not be used by non-EOD personnel as a guide for self-instruction in EOD operations.

SCOPE

(1) This manual contains information on the (insert aircraft designation) aircraft weapons systems and includes (a) aircraft systems description which, in turn, includes a general description of the aircraft, pictorial views of the aircraft, and specific subsystem description, (b) EOD procedures for gaining access to, safing, and/or removing hazardous components, and (c) related supplementary information.

(2) Since accidents involving explosive ordnance do not normally conform to pre-established conditions, this manual is designed to provide EOD personnel with sufficient information on aircraft weapons systems to be used as a basis for determining actions required to cope with an unusual situation (accident or incident). Procedural steps may be performed out of sequence or omitted as dictated by the situation.

(3) Some procedures contained in this publication do not normally fall within the scope of EOD responsibilities. They are included here for the sole purpose of providing EOD personnel with essential information to perform such functions as emergency removal of munitions in the event that personnel who normally perform these functions are not available, or cannot be utilized.

INVESTIGATION AND DISASSEMBLY OF MUNITIONS INVOLVED IN AIRCRAFT ACCIDENTS

(1) An explosive item involved in aircraft accident will not be moved or removed from the scene of an accident without the approval of the president of the accident investigation board or his designated representative. The officer-in-charge of the investigation will be advised of the existence of hazardous explosive items and any action taken to

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correct the hazard will have his concurrence. Each action taken by EOD personnel at the scene of an accident, such as inserting safety pins in Cartridge Actuated Devices (CAD's) will be recorded and reported to the accident investigation board to insure accuracy of board conclusions.

(2) Air Force EOD personnel may be required to disassemble explosive items involved in an aircraft accident. AFM 127-100 prohibits the disassembly of explosive items, other than the disassembly required during Rendering Safe Procedures (RSP), unless prior approval is granted by the responsible ALC (e.g., HQ OGDEN ALC/MMWR for nonnuclear munitions and CAD's), or cognizant agency of the Air Force Systems Command.

(3) Army EOD personnel may be requested to disassemble explosive items involved in an aircraft accident. AR-385-63 prohibits the disassembly of explosive items, other than that disassembly required during rendering safe procedures (RSP), unless prior approval is granted by the Commanding General, U.S. Army Materiel Development and Readiness Command (DARCOM).

(4) Navy EOD personnel shall obtain disassembly authorization from appropriate Navy Authorities. This should be based on a written request from the Investigating Board to the Senior EOD Officer assigned/assisting the investigation.

(5) Marine Corps EOD personnel may be requested to disassemble, strip, or inert explosive items involved in an aircraft accident. This request will be made in writing by the Senior Member of the Investigation Board to the Senior EOD Officer assigned/assisting the investigation.

DEFINITIONS

The words "shall," "will," "should," and "may" are used herein as follows: the words "shall" and "will" indicate a mandatory requirement; the word "should" indicates a nonmandatory desire or preferred method of accomplishment; the word "may" indicates an acceptable or suggested means of accomplishment. Warnings, cautions, and notes are used herein as follows: a "warning" is an operating procedure, which if not correctly followed, could result in personal injury or loss of life; a "caution" is an operating procedure, which if not strictly

observed, could result in damage to, or destruction of equipment; a "note" is an operating condition, etc., which is essential to highlight.

3.7.3 Identification.

3.7.3.1 *Specific ordnance item.* The identification heading for this manual shall describe and illustrate those characteristics which will enable EOD personnel to identify the ordnance item and its significant components. Distinguishing features and dimensions shall be given to minimize the identification problems associated with similar ordnance. Identification information shall be arranged under the following headings, as applicable: "Designation," "Type," "Use," "Painting and Markings," and "Features." Ordnance dimensions critical to the identification and accomplishment of the procedure shall be given.

3.7.3.2 *General information on a class of ordnance.* The identification heading for this manual shall provide general identifying features of the class of ordnance and shall include those features which are common to all types within the class as well as those which are peculiar to a specific type. Specific information on individual items within the class shall be avoided, except where such characteristics indicate a developmental trend. The shape, markings, color of paint or finish, stampings, and the names of using countries shall be included. Painting, markings, and other finishes which serve as a means of recognizing country of origin shall be used only if that country uses such painting, markings, and finishes consistently. Symbol codes, stenciling, stamping, etching, and an explanation of meaning (e.g., loading) shall be included when known. Text, tabular, and graphic presentation shall describe, as required, both former and current marking and painting. Design features and construction methods conclusively known to be used by a country(ies) shall be described and linked with the using country(ies). When a design or type of construction is particularly hazardous, it shall be described and the nature of the hazard explained. A statement concerning "use" or "employment" may be included to give a general explanation of the tactical or strategic use of the class of ordnance, but it shall be included only if it will be of significant aid in identifying the ordnance. As a basis for recognizing past and present ordnance and to enable an effective "common sense" approach to

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new or variations of older ordnance designs, comparative data should be included, if available. This heading may also include:

- a. Model designation system.
- b. EOD-significant auxiliary or accessory components used in connection with the class of ordnance.

3.7.4 Description.

3.7.4.1 Specific ordnance item. The description heading for this manual shall describe and illustrate components of EOD significance. It shall consist of the following: "Material," "Weight," and "Arrangement."

3.7.4.1.1 Material. A list of the materials used in the external components and fittings shall be included. Materials, such as case-hardened steel, that can effect the application of, or influence the results of, EOD procedures shall be included.

3.7.4.1.2 Weight. The overall known or estimated weight of the ordnance or munition item shall be stated. When the ordnance undergoes a change in weight during operation, as does a rocket when its propellant is consumed, the final weight of the ordnance also shall be given. If the item is a fuze or other small component, this heading shall be omitted.

3.7.4.1.3 Arrangement. Major components shall be covered in the required detail in a nose-to-tail or top-to-bottom order. For simple items, such as fuzes, the requirement for this paragraph may be satisfied by referencing an illustration which shows the general arrangement of components. For more complex items having several detailed components, it may be necessary to provide a statement concerning the designed function of these components. This should help to preclude confusion caused by excessive detail which would have to be provided under the "Functioning" heading.

3.7.4.2 General information on a class of ordnance. The description heading for this manual shall describe and illustrate EOD significant components which are representative of the class. It shall consist of "Material," "Weight," and

"Arrangement," as in paragraph 3.7.4.1 except that representative examples shall be listed.

3.7.4.3 General information on EOD tools. The description heading for this manual shall describe each tool and tool assembly, with particular attention to the identification of component parts. Tools shall be identified by the official item name. Unless specified by the procuring activity, National Stock Numbers or manufacturer's stock numbers shall not be used.

3.7.4.4 General information on EOD techniques. The description heading for this manual shall describe the particular technique involved. A statement of "philosophy" concerning the use of the technique may be required.

3.7.4.5 General information on special subjects. The description heading for this manual shall describe the subject item(s) (e.g., types of explosives) or establish a particular situation or scenario as in a "how to" manual. It does not normally emphasize hardware. Description of the item(s) or situation(s) should be limited to representative types.

3.7.4.6 Aircraft weapons systems. These manuals contain descriptive information presented in the following headings:

3.7.4.6.1 General. This heading shall be limited to a brief mention of items of interest to EOD personnel, such as number of crew members, internal/external carriage, etc.

3.7.4.6.2 Aircraft characteristics. Illustrations and/or text shall provide an overall description of the aircraft.

3.7.4.6.3 Systems description. This heading shall provide information describing such items as the canopy/ejection seat system, engine controls, electrical system and controls (generator, batteries), landing gear system (struts and where to find them), armament system, and other hazardous devices (communications destructors, starter cartridges, explosive bolts, internally mounted fire extinguishers).

3.7.4.6.4 Armament loading capabilities. Illustrations and/or text shall provide a description of the internal

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gun and missile launching system, external bomb rack system, internal bomb rack system, and chaff/flare/photoflash dispensing systems.

3.7.5 Hazardous components. This heading shall describe the hazardous (explosive and other) components and materials contained in the ordnance. When applicable on complex items, an illustration shall be referenced to indicate the relative position of the hazardous components/materials. Data shall include type and weight (or amount in the case of liquids) of explosives, propellants, fuels, oxidizers, and toxic materials, and hazards associated with pneumatic or mechanical pressures and electrical circuits. The composition of items weighing less than 1 gram, such as initiators, need not be specifically described. For example, if an initiator contains a mixture of different types of explosives, the mixture may simply be referred to as "initiating explosive."

3.7.6 Functioning. This heading shall outline the normal sequence of events from the initial prearming action to the firing. The text shall be brief but complete to the extent required to support the safety precautions and EOD procedures. As required by the complexity of the item, illustrations and block diagrams may be used to supplement the text. In general information manuals on a class of ordnance, emphasis should be placed on representative types.

3.7.7 Procedures. All procedures shall normally be listed as numbered steps, however, certain standardized procedures which are performed on a routine basis may be summarized in a single statement (e.g., "Dispose of the fuze by detonation."). The instructions shall clearly indicate any unusual actions required to perform the procedure. Illustrations indicating hazardous conditions, application of tools and execution of specified techniques, shall be used when required to amplify and supplement the written procedures. When deemed necessary, by the procuring activity, this heading may be enhanced by the addition of the subheadings "Preliminary Procedures" and "Disassembly Procedures."

a. The use of preliminary procedures shall normally be limited to underwater ordnance in specific ordnance item manuals acknowledging that there are certain procedures which must be performed before it

is possible to effect render safe or disposal. For example, before rendering safe an underwater mine, it may be necessary to raise it and tow it to shore. These procedures may be used wherever it is deemed appropriate in the general information manuals.

b. Disassembly procedures may be required at any point during the performance of EOD procedures in specific ordnance item manuals, particularly in situations where the ordnance contains numerous hazardous subcomponents. These procedures may also apply to general information manuals.

3.7.7.1 Specific ordnance item. The heading for these manuals shall be titled "EOD Procedures" and shall consist of subheadings titled "Appearance," "Render Safe Procedure(s)," and "Disposal Procedure(s)." If either the render safe or disposal procedure has not been tested (performing the procedures against the hardware), the following special warning shall be placed just below the applicable heading.

SPECIAL WARNING

These procedures are untested and are based on the best technical data available.

3.7.7.1.1 When two different procedures (under render safe or disposal) exist for the same condition, but one is clearly less effective than the other, the preferred procedure shall be titled "Primary Procedure" and the other "Secondary Procedure." When two procedures (under render safe or disposal) exist for the same condition, and both are equally effective, one shall be listed as "Procedure" and the other as "Alternate Procedure" with no preference implied.

3.7.7.1.2 EOD procedures are not included in preliminary technical manuals (Data Sheets). The following information shall be included verbatim:

Section II. EOD PROCEDURES

NOTE

EOD personnel encountering this ordnance should refer to OPNAVINST 8027.1E, AR 75-14, AFR 136-8, and MCO 8027.1B for disposition and reporting instructions.

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5. Render Safe and Disposal Procedures. Information is not available at this time to formulate render safe and disposal procedures.

3.7.7.1.3 In those specific ordnance item manuals which provide coverage for improvised explosive devices (IED's), the following note shall be included: "Information on improvised explosive devices (IED's) cannot, as a rule, provide specific procedures because each device may differ."

3.7.7.1.4 *Appearance.* This heading shall contain information which will enable the EOD technician to determine the "condition" of an ordnance item, i.e., armed versus unarmed. If the item could be armed, but a positive determination cannot be made, the condition will be described in a statement such as: "Consider the fuze armed if it has experienced setback." If it is known that the item is armed, make a positive statement to describe the condition such as: "The fuze is armed when the striker is protruding." Always make a positive statement to describe the unarmed condition, such as: "The fuze is unarmed if . . ." The fact that it is unarmed should be positively known.

3.7.7.1.5 *Render safe procedure.* This heading shall be provided for each "condition" listed under "Appearance." "Hand-carry the hazardous components to a disposal area," "Transport the hazardous components to a disposal area," and "Blow in place" shall be disposal procedures only. When "hand-carry" or "transport" is the only procedure for an item, the following statement shall be included under the render safe procedure: "None required. Proceed to paragraph (Disposal Procedure)." When "blow-in-place" is the only procedure for an item, the following shall be included under the render safe procedure:

WARNING

Blow an armed (munition) in place only. There is no known render safe procedure for this item in the armed condition.

Proceed to paragraph (Disposal Procedure) for disposal instructions.

3.7.7.1.6 *Disposal procedure.* This heading shall contain information pertaining to the final disposition of all hazardous components. Disposal can

only occur after the item has been rendered safe or if no known render safe procedure exists. The disposal procedure for fuzes shall conform to the following guidelines:

a. When the basic procedure requires disposal of the round and fuze concurrently, and it is suspected or known that the main charge of the munition will not function/destroy the fuze, specific step-by-step disposal procedures will be included; i.e., "Place (specified quantity) of plastic or equivalent explosive on (specified location) of the projectile body (specified distance) from the base and (specified quantity) of plastic or equivalent explosive on the fuze and detonate."

b. A single statement "dispose of the fuze by detonation/burning," as appropriate, is acceptable. Disposal procedures for other explosive ordnance shall conform to the following: The disposal of any explosive ordnance item (fuzed or unfuzed) that does not require a specified step-by-step disposal procedure may be covered by a single statement, "Dispose of by detonation (or burning, if applicable)."

3.7.7.2 *General information on tools.* The procedures heading for these manuals shall contain complete instructions on assembling and maintaining the tool. However, specific application of the tool shall be avoided.

3.7.7.3 *General information on techniques.* The procedures heading for these manuals shall explain and give procedural steps for normal or standard method of applying the technique. If other methods exist, these shall be presented, but noted as "Secondary" or "Alternate." It should contain information explaining how the technique is applied to ordnance in various conditions and situations. If technique options can be obtained by using different combinations of tools and accessories, these options shall be stated, including their application as related to a particular ordnance condition or situation. However, criteria shall be given for selecting a technique option and its application to ordnance in different conditions and situations. Limitations of the technique, limitations of the tools and accessories, safety aspects, class and type of ordnance, condition of the ordnance, and the situation in which the ordnance is found shall be discussed, as applicable.

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3.7.7.4 *General information on special subjects.* The procedures heading for these manuals will contain information consistent with the subject. As such, it will not have a "set" pattern, but will be structured to meet the requirements of the subject. It will be presented in a manner consistent with the general guidelines of paragraph 3.7.7 (i.e., numbered steps, etc.). This heading may also contain preliminary procedures (e.g., preparation of and setting up equipment).

3.7.7.5 *Aircraft weapons systems.* The procedures heading for these manuals shall include safing procedures for all integral explosive components on the aircraft and external/internal release system(s). The following systems shall be included and illustrated as applicable: battery system, egress system, gunnery system(s), starter cartridge(s), and ejection cartridge(s). All explosive components shall as listed in a summary showing item, quantity, location and function.

3.7.8 *Maintenance.* This heading may be required in those cases where reusable equipment is the subject of the manual (e.g., the Mk 32 Mod 0 Radiographic Tool Set). Maintenance and troubleshooting procedures shall be such that fleet/field personnel can accomplish them with the materials at hand.

3.7.9 *Supplementary information.* Supplementary information, such as excerpts from EOD incident reports, shall be provided as specified by the procuring activity.

4. QUALITY ASSURANCE PROVISIONS.

4.1 Quality assurance provisions shall be made in accordance with MIL-M-38784.

5. PACKAGING.

5.1 Packaging, packing, and marking shall be in accordance with MIL-M-38784.

6. NOTES

6.1 *Intended use.* Manuals prepared in accordance with this specification are intended for use by EOD personnel only. They are for identifying, rendering safe, and disposing of all types of explosive ordnance.

6.2 *Ordering data.* DD Form 1423 and other related procurement documents should specify the following:

6.2.1 *Procurement requirements.*

a. Title number and date of this specification.

b. Type of technical manual (see 1.2).

c. Other ordering data (see MIL-M-38784).

6.3 *Definitions.* The following terms are defined as used in this specification:

6.3.1 *Aircraft weapons system.* All integral explosive components on the aircraft and all weapons compatible with the aircraft.

6.3.2 *Class of ordnance.* Any explosive ordnance which may be grouped according to overall designed functional purpose (e.g., bombs, clusters, projectiles, grenades, rockets, missiles, landmines, IED's, etc.).

6.3.3 *Disassembly procedures.* Procedures which may be required at any point during performance of EOD procedures, particularly in situations where the ordnance contains numerous hazardous subcomponents.

6.3.4 *Integral component.* Fuzes, fuzing systems, and munition components that cannot be removed without disassembly of the explosive ordnance in which they are employed (i.e., missiles, large rockets, torpedoes, depth bombs, underwater mines, 66-mm (LAW), and 3.5-inch rockets.)

6.3.5 *Improvised Explosive Devices (IED's).* A nonstandard explosive device, usually made with rudimentary tools and noncritical materials (i.e., natural resources or materials readily available in the geographical locale). An IED is "home-made" and generally of crude design.

6.3.6 *Paragraph/section/chapter.* A major subject grouping in a manual. The group titles may be interchanged in certain circumstances, e.g., a section may become a chapter, and vice versa. The general term "heading" is used in this specification for information grouping.

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6.3.7 *Preliminary procedures.* Procedures normally limited to underwater ordnance, acknowledging that there are certain procedures which must be performed before it is possible to effect render safe or disposal. For example, before rendering safe an underwater mine, it may be necessary to raise it and tow it to shore.

6.3.8 *Shall, should, and may.* As used in this specification, "shall" indicates a mandatory requirement, "should" indicates a nonmandatory desire or preferred method of accomplishment, and "may" indicates an acceptable or suggested means of accomplishment.

6.3.9 *Special warning.* This term applies only to the "Untested Statement" which is used in those cases where EOD procedures have not received joint service testing.

6.4 *Miscellaneous notes.*

6.4.1 Interpretation of this specification relative to applicability and suitability of manual technical content is the final responsibility of the joint services.

Custodian:

Army – TM
Navy – OS
Air Force – 16

Preparing Activity:

Navy – OS
(Project No. TMSS-0244)

Review Activities:

Army – TM, MU
Navy – AS
Air Force – 01, 10, 11, 16

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Naval Ordnance Station
Standardization/Documentation Division (Code 524
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