MMSC

14 FEB 1995

CHANGE NO. 1
DoD 4160.21-M-1

DEFENSE DEMILITARIZATION MANUAL

I. DoD 4160.21-M-1, Oct 91, is changed as follows:

Remove pages listed below and insert revised pages. Changes are indicated in bold italics.

Remove Old	Insert New
v thru viii	v thru x
A1-1 thru A1-5	A1-1 thru A1-14
A3-1 thru A3-4	A3-1 thru A3-6
A4-1 thru A4-13	A4-1 thru A4-66
A5-1 thru A5-4	A5-1 thru A5-12
A6-1 thru A6-6	A6-1 and A6-2

II. SIGNIFICANT CHANGES. This change incorporates the new U.S. Munitions List, 22 CFR, Part 121; the new Commerce Control List, 15 CFR, Part 799.1; and the revised and minimized list of Demilitarization Codes for the DoD, to include the elimination of those codes applicable to property located in overseas areas. The revised Appendix IV reflects those changes and has been reformatted to facilitate use.

III. This change sheet will be filed in the front of the publication for reference purposes, after changes have been made.

BY ORDER OF THE DIRECTOR

RAUL A. MARTINEZ
DASC Acting Administrator

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DoD 4160.21-M-1
October, 1991

DEPARTMENT OF DEFENSE OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE (PRODUCTIONS & LOGISTICS

DEFENSE DEMILITARIZATION MANUAL

ASSISTANT SECRETARY OF DEFENSE
WASHINGTON, D.C. 20301-8000

PRODUCTION AND
LOGISTICS

DoD 4160.21-M-1

21 Oct 91

FOREWORD

This manual is issued under the authority of DoD Directive 4160.21, "DoD Personal Property Utilization and Disposal Program," 5 December 1980, and DoD Instruction 4160.27, "Demilitarization of Materiel," 14 December 1988. Its purpose is to set forth DoD demilitarization policy, prescribe uniform procedures for assigning demilitarization codes to DoD property, and direct methods for completing demilitarization. The manual is effective immediately and is mandatory for use by all DoD Components.

The provisions of this manual have been completely revised to reflect the policy set forth by the International Traffic in Arms Regulations (ITAR), 22 Code of Federal Regulations, Subchapter M, November 1989. Significant changes include a major shift of materials from overseas demilitarization only (appendix 5) to worldwide demilitarization (appendix 4), the identification of Significant Military Equipment, expanded scope of the property affected (U.S. Origin), definitive coding guidance, additional commodities included as Strategic List Items and identification of strategic commodities (appendix 6).

Recommended revisions to this manual should be submitted through DoD Component channels to:

Director
Defense Logistics Agency
ATTN: DLA-SMP
Cameron Station
Alexandria, Virginia 22304-6100

DoD Components may obtain copies of this manual through their publication channels. Other Federal agencies and the public may obtain copies from HQ Defense Logistics Agency, ATTN: DLA-XPD, Cameron Station, Alexandria, Virginia, 22304-6100.

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Director, Supply Management Policy
Office of the Assistant Secretary
of Defense (Production & Logistics)

This manual supersedes DoD 4160.21-M-1, October 1981.

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CHAPTER I - GENERAL AND ADMINISTRATIVE

A. GENERAL. This manual implements the policy and procedures of DoD relating to the demilitarization of military items, defense articles and defense services and which are owned or procured by or under the control of the Military Services/Defense Agencies (United States Origin). This includes all property sold under the Foreign Military Sales (FMS) Program.

B. APPLICABILITY AND SCOPE

1. The provisions of this manual are applicable to all elements of the DoD. The term "DoD Components", as used herein, refers to the Military Departments and Defense Agencies.

2. This manual specifies the items to be demilitarized, designates the key points to be destroyed and prescribes methods for accomplishment of demilitarization.

3. Request for exceptions or additions to the demilitarization requirements contained in this manual will be forwarded through appropriate Military Service/Defense Agency channels to the Assistant Secretary of Defense (Production and Logistics) (ASD PL) on a case-by-case basis. Full justification will accompany each request.

4. Unless otherwise stated, this manual is not applicable to:

a. The disposition of nuclear ordinance pursuant to Section 81 of the Atomic Energy Act of 1954 (42 United States Code (U.S.C.) 2111).

b. Items under management control of the Defense Nuclear Agency in Federal Supply Group (FSG) 11, also all Department of Energy (DoE) special design and quality controlled items and all DoD items designed specifically for use on or with nuclear weapons (identified by manufacturers' codes 57991, 67991, 77991, and 87991 in the Defense Logistics Services Center (DLSC) Total Item Record (TIR) will be processed in accordance with Technical Publications, Supply Management of Nuclear Weapons Material, DoE-DNA TP 100-1, Navy SWOP 100-1, Army TM 39-100-1 and Air Force T.O. 11N-100-1.

c. Cryptologic Material. This material will be processed in accordance with NACSI 2001 (FOUO) and NSA Circular 60-5(C).

C. POLICY

1. It is DoD policy to identify and apply appropriate controls, worldwide, over materiel to prevent its unauthorized use. Materiel designated by OSD to require demilitarization, or is related to articles on the U.S. Munitions List under Part 121 of 22 CFR or the Commodity Control List under Part 799 of 15 CFR and determined by DoD Components to have, directly or indirectly, a significant military utility or capacity, shall be controlled and/or demilitarized to the extent necessary to eliminate its functional or military capabilities. Controls shall be consistent with applicable DoD directives cited above.

2. Surplus and foreign excess personal property designated as arms, ammunition and implements of war and other military type items will be demilitarized to the extent necessary to preclude their unauthorized use; destroy the military advantages inherent in certain types of property; render innocuous that property which is dangerous; protect the national interest; and preclude the compromise of security requirements.

3. Utilization and specialized sales will always precede demilitarization. Utilization and specialized sales include the application of assets against:

a. All DoD requirements.
b. Other Federal Agency requirements.
c. Authorized donee requirements.
d. Specifically authorized foreign and domestic sales (e.g., foreign military sales to approved foreign countries, domestic sales to law enforcement and fire fighting agencies, and sales of explosives to licensed manufacturers and dealers). The loss, theft, unlawful disposition and/or recovery of any items of a sensitive nature will be reported by the person becoming aware of such acts to the appropriate authority in accordance with applicable departmental/agency regulations.

4. Defense Reutilization and Marketing Offices (DRMOs) on an individual basis, can determine, in coordination with generating activities, the most appropriate and economical means for the disposal organization to properly demilitarize Munitions List Items. Demilitarization should be accomplished by

the most cost-effective method consistent with adequate security and surveillance by one of the following methods: (a) by a contractor, as a condition of sale, (b) by the DRMO, (c) by the generating or designated Military Service, or (d) under a service contract. Generating organizations and activities normally will demilitarize Ammunition, Explosives and Dangerous Articles (AEDA) items; however, AEDA items may be demilitarized by disposal contractors where in-house demilitarization is not possible. Unless otherwise authorized, surplus and foreign excess personal property prescribed to be demilitarized by this manual must be demilitarized prior to transfer of title to a purchaser.

D. RESPONSIBILITY

1. Export and Import of United States Munitions List Items: Pursuant to the provisions of Section 414 of the Arms Export Control Act of 30 Jun 76, as amended (22 U.S.C. 2778), the President of the United States is authorized to control, in furtherance of world peace and the security and foreign policy of the United States, the export and import of arms, ammunition and implements of war, including technical data relating thereto, other than by a United States Government Agency. Executive Order No. 11958 delegates the function of controlling exports of United States Munitions List Items to the Department of State. Imports are controlled by the Department of Treasury under authority delegated by Executive Order No. 11432.

2. DoD is responsible for: The disposition of its surplus and foreign excess property, including articles covered by the United States Munitions List, which are owned or procured by, or under control of DoD to include FMS property; determining whether such items will be sold with or without being demilitarized; and the extent and adequacy of required demilitarization.

3. The Director, Defense Logistics Agency (DLA) will:

a. Serve as the DoD program manager for the DoD Demilitarization Program. The duties of the DoD program manager shall include liaison with the Department of State (DoS) for Munitions List Items (MLI) and the Department of Commerce (DoC) for Strategic List Items (SLI).

b. In coordination with the Military Services, develop and maintain the Defense Demilitarization Manual in a current status to reflect the policy guidance prescribed by ASD PL.

c. Develop and maintain, in coordination with the DoD Components, a data base describing cost-effective and efficient demilitarization processes.

d. Develop and maintain an appropriate demilitarization training program for all DoD Components.

e. Refer DoD component nonconcurrences in changes which cannot be resolved to the ASD P&L.

f. Assure compliance by subordinate DLA activities with the provisions of this manual and other guidance and direction for accomplishment of the demilitarization program which are in conformance with the basic policies of this manual.

4. The Defense Reutilization and Marketing Service (DRMS) will:

a. Assure that items including Contractor Inventory, Military Assistance Property (MAP), and excess FMS property, requiring demilitarization, have been so identified and that all required demilitarization has been accomplished.

b. Be responsible for compliance review and surveillance to ensure proper demilitarization prior to title transfer when the sales contract provides for demilitarization by the purchaser.

c. Develop and maintain an appropriate demilitarization training program for its subordinant activities to include certification of individuals responsible for performing demilitarization.

d. Notify the Military Service/Defense Agency concerned for prompt remedial action when demilitarization specifications appear to be inadequate.

e. Administer and maintain the Demilitarization Code Challenge Program and, in coordination with the Military Service/Defense Agency Inventory Control Points (ICPs), effect appropriate Demilitarization Code changes to items in the inventory.

f. Negotiate with the Military Service/Defense Agency concerned to obtain technical expertise when essential for compliance with subparagraph b above.

5. The Military Services will:

a. Provide technical assistance to the Director, DLA, in developing and maintaining the Defense Demilitarization Manual.

b. Assure compliance by subordinate activities with the provisions of this manual and other Military Service/Defense Agency direction for accomplishment of the demilitarization program consistent with the basic policies of this manual.

c. Assure that a demilitarization code is assigned to every item for which each has management responsibility and record that code in the Federal Catalog System.

d. Assure that the DoD program manager is provided with timely and complete information (including photographs, drawings, schematics, detailed instructions) regarding cost-effective and efficient demilitarization processes for all new and, as requested, existing items in the Federal Catalog System. Specific guidance and requirements for the submission of these data may be obtained from the Property Reutilization and Marketing Policies Branch (DLA-SMP).

e. As required and authorized by DoD, establish and maintain Special Defense Property Disposal Accounts (SDPDA) and maintain accountability for AEDA, classified, inert material, small arms weapons or any items which required demilitarization/declassification or reclamation prior to physical and accountability transfer to a DRMO. Accomplish required demilitarization after completion of required utilization and donation screening of all items in the special accounts. Transfer accountability of all other items requiring demilitarization action. Ensure that turn-in documents for all materials, including nonstandard stock numbered items, contain the appropriate demilitarization codes.

f. Assure the AEDA are properly rendered inert prior to turn-in to the DRMO and that a certification is signed by a technically qualified individual.

g. Assure that turn-in documents for all material, including nonstandard stock numbered items, contain the appropriate demilitarization code in card column 70 of DD Form 1348-1, DoD Single Line Item Release/Receipt Document.

6. Inventory/Technical Managers will:

a. Review each item assigned a National Stock Number (NSN) and/or nonstandard Stock Number to determine whether or not it appears on the U.S. Munitions List (appendix 1) or the Strategic List (see Definitions, appendix 2) and whether demilitarization is required in accordance with appendices 4 or 5, or whether Security Trade Controls are necessary because the item is Munitions List Item, no demilitarization required (Demilitarization Code B), or a Strategic List Item (Demilitarization Code Q).

b. Assign a demilitarization code to each item following guides provided in appendix 3. Resolve differences if demilitarization codes assigned are challenged.

NOTE: A demilitarization required code must not be assigned to an item merely to preclude the use, reuse or reprocurement of defective, unserviceable, finite life, product quality deficient material or items determined to be unsafe for use.

c. Input data to DLSC TIR to record the demilitarization code assigned to each NSN and submit changes resulting from challenges, item review, or changes in demilitarization policy.

CHAPTER II - DEMILITARIZATION OF SURPLUS AND FOREIGN EXCESS MILITARY ITEMS

A. GENERAL

1. Surplus personal property and Foreign Excess Personal Property (FEPP), set forth in this chapter, is required to be demilitarized to the extent prescribed herein. Foreign excess property will be demilitarized not less than prescribed in appendix 4. In addition, the Munitions List Items and other military type property, set forth in appendix 5, will be demilitarized in the manner and degree prescribed when located outside the United States, Puerto Rico, American Samoa, Guam, the Trust Territories of the Pacific Islands (TTPI), and the Virgin Islands. All captured, confiscated or abandoned enemy materiel meeting the criteria of this manual will be demilitarized in accordance with appendices 4 and 5. The generating activity authorized to dispose of property will accomplish demilitarization of classified material and ammunition prior to transfer of residue to DRMO and will identify other property requiring demilitarization at the time it is transferred to a DRMO. Spares and components required by the Military Services/Defense Agencies will be reclaimed under approved reclamation programs, prior to demilitarization of the end assembly. The generating activity will annotate each turn-in document with the Demilitarization Code in accordance with the applicable code in appendix 3. DRMOs will not accept any property unless the turn-in document contains the Demilitarization Code (cc 70) or clear text statement of the demilitarization required. For supply systems items, DRMOs will not accept accountability if the appropriate demilitarization codes are not shown on the turn-in documents. The fact that the cognizant Inventory Control Point or Inventory/Technical Manager may not have disseminated the demilitarization codes to generating activities is not a valid reason for accepting property for which the turn-in documents do not contain the appropriate demilitarization codes from the Inventory Control Point or Inventory/ Technical Manager (or via their normal supply channels) and enter the codes on the turn-in documents for supply systems items. For other than supply system items (e.g., scrap, contractor inventory, etc.) and/or for local stock numbered items, if the appropriate Demilitarization Codes for the items cannot be determined, generating activities will enter on the turn-in documents an appropriate clear text statement such as "Non-MLI, no demilitarization required", "MLI, no demilitarization required", "MLI, demilitarization required", or "SLI". When turn-in documents are annotated "MLI, demilitarization required", the generating activity will provide written demilitarization procedures with the turn-in document.

2. When a specific part or component of an item is designated a key point in appendices 4 or 5, then all surplus spare/repair parts or components of that key point, will be demilitarized in the manner prescribed for the end item (refer to appendix 2 for definition).

3. Disposable AEDA normally will be demilitarized at the installation where generated; however, when local demilitarization capability does not exist or when the use of local demilitarization is not feasible, demilitarization may be performed by qualified and licensed contractors at their facilities, provided adequate security is provided and demilitarization surveillance is performed by qualified DoD personnel. Activities that do not have the capability to demilitarize AEDA will request disposal instructions from the owning service ICP. (Navy activities worldwide will direct all such requests to the Naval Sea Systems Command, ATTN: SEA-66412, Washington, DC 20362-5101.) The inherently dangerous characteristics of AEDA dictate that special precaution be taken to ensure that demilitarization is performed only by properly trained and qualified personnel. AEDA materials which can be demilitarized by deep water dumping (DWP) at sea will be processed in accordance with paragraph G, this chapter.

4. Classified material will be declassified and processed as described in appendix 4, item 9, at the military installation by Government personnel prior to the transfer of residue, if any, to the DRMO. Certification of declassification and instructions for any additional demilitarization will be annotated on the turn-in document.

5. Demilitarization of small arms weapons, repair parts and accessories will be accomplished as prescribed in chapter III and appendix 4.

6. Other items normally will be demilitarized at a military installation. Demilitarization performed by a purchaser will be subject to appropriate special conditions. Surplus property to be donated, and requiring demilitarization, will be demilitarized to the extent as authorized in paragraph B below. The title to combatant ships and other property, as specifically authorized by the head of the owning DoD component, may be transferred to a purchaser upon receipt of full payment and presentation of adequate bond ensuring that demilitarization will be accomplished in accordance with the terms of a sales contract. Sales contracts for combatant ships will specify that hulls must be reduced to scrap and scrapping accomplished within the United States whenever practical.

7. A certificate substantially as quoted below will be signed and dated by a technically qualified Government representative who actually witnessed the demilitarization of the material whether performed by Government or contractor personnel. In cases where the witnessing of demilitarization would unnecessarily subject the witness to hazardous conditions or when the demilitarized material can be laid out to clearly display the residue from each item demilitarized, demilitarization may be certified through inspection of the residue. The certificate will be executed for all items demilitarized and will read as follows:

"I certify that (identify items) were demilitarized in accordance with (cite specific instructions (appendix and item number) that were complied with in the DoD 4160.21-M-1 and other applicable regulations)."

This certificate must be countersigned by a technically qualified U.S. Government representative (American citizen), designated by the responsible commander, who actually witnessed the demilitarization of the material or inspected the residue as provided above. The individual who countersigns should be at least in the next higher management level to the initial certifying individual. In the case of MAP Grant Aid property, a member of the Office of Defense Cooperation or the Defense Attache Office may countersign to the completed demilitarization. The DRMO, in compliance with his responsibility as outlined in DoD 4160.21-M, will at the time of receipt, place the demilitarization certificate in the applicable source document file for a period of 2 years, except small arms weapons demilitarization certificates which will be retained indefinitely in a permanent file. Demilitarization certificates for demilitarization of all small arms weapons/receivers which require control under the DoD Small Arms Serialization Program (SASP) will be retained indefinitely in a permanent record file by the DoD activity responsible for the demilitarization of the small arms weapons and receivers. The countersignature for AEDA may be accomplished by a responsible U.S. citizen as designated by the local commander. A signed certificate will be furnished to the DRMO for audit purposes.

WARNING: SIGNING A FALSE CERTIFICATE CONSTITUTES A FELONY AND MAY SUBJECT THE INDIVIDUAL TO CRIMINAL PROSECUTION.

B. EXCEPTIONS TO DEMILITARIZATION

1. The demilitarization of items including foreign excess and other military type items does not apply when transfer is effected within DoD or to other agencies of the U.S. Government for utilization purposes. When transfer is made to another Federal Agency for use by that Agency, an agreement will be made to the effect that demilitarization requirements will be complied with prior to transfer of title to a purchaser.

NOTE: Federal Drug Administration (FDA) exempted lasers will not be transferred outside of DoD or donated or sold without prior approval of the ASD (FM&P) or his designee.

2. Disposition without demilitarization of other than classified materiel is also authorized under the conditions cited in subparagraphs a through n below:

a. By sale or transfer to friendly foreign governments, via FMS or MAP, including agencies and controlled companies thereof, under existing laws and DoD policy. Negotiated sales will not be made to commercial firms for resale to foreign governments.

NOTE: DoD Demilitarization policy must be followed when items of U.S. Origin are no longer required for their originally intended purpose.

b. By sales of military explosives, in accordance with applicable safety regulations, but only to technically qualified purchasers having a known capability for use, manufacture, processing or resale. The purchaser will be required to execute

the following certificate as a condition of purchase in the United States.

"It is hereby certified that the purchaser will comply with all applicable Federal, state, and local laws, ordinances, and regulations, with respect to the care, handling, storage and shipment, resale, export, and other use of the materials herein purchased and that he is a user, manufacturer, or processor of or dealer in said materials capable of complying with all applicable Federal, state, and local laws. This certification is made in accordance with and subject to the penalties of Title 18, Section 1001, the United States Code, Crimes and Criminal Procedures."

c. By sale of surplus small arms weapons and ammunition to state and local law enforcement and fire fighting agencies in the 50 United States, pursuant to 10 U.S.C. 2576. The types of items authorized for sale and the sale procedures are set forth in DoD 4160.21-M, chapter VIII, paragraphs B35 and B98.

d. By sale to a United States national or commercial concern when the item will be utilized in experimental research and/or development work in the national interest, or the support of such work, and the Director, DLA, or the Secretary of the Military Department concerned or his designee so determines, provided that a special condition of sale will prohibit subsequent disposition of the items without prior approval by DLA or the Military Department concerned.

e. By donation or loan of condemned or obsolete combat materiel to municipal corporations, posts of recognized war veterans' organizations, etc., as authorized by 10 U.S.C. 2572, 10 U.S.C. 7546, or other similar statutes. However, except as hereinafter provided, modified demilitarization of such items will be accomplished as prescribed in chapter IV, to render them unserviceable in the interest of public health or safety. Demilitarization will be performed in a manner so as to preserve the historical or display value of the property.

f. By donation to special interest activities which have been determined by the Secretary of Defense to be educational activities of special interest to the armed services; provided that the head of the school certifies in writing that the property requested is usable and necessary for the promotion of educational programs at the school and agrees that the property will not be disposed of without prior approval of, and in accordance with instructions issued by, DLA or the Military Service/Defense Agency concerned. Donations to special interest activities require the prior approval of GSA.

g. Except where otherwise identified, by donation to a public agency or an eligible nonprofit institution or organization acting by and through a State Agency for Surplus Property. Donations require the approval of GSA.

h. As otherwise authorized by law; e.g., sale of small arms (other than those subject to the National Firearms Act) and ammunition by the Army pursuant to 10 U.S.C. 4308, and issue of blank ammunition by the Army to veterans' organizations for ceremonial purposes as authorized by 10 U.S.C. 4683.

i. By sale of foreign excess property demilitarization coded H, J, K, or M to United States nationals or United States entities for import into the United States. Property requiring demilitarization sold to foreign nationals must be demilitarized. Resale of this property by foreign nationals to United States nationals or United States entities for import into the United States is not authorized unless the property is demilitarized as required. The sale of foreign excess property demilitarization coded H, J, K, M, or Q to United States nationals or United States entities for import into the United States not demilitarized or without a demilitarization requirement is subject to the following restrictions:

(1) Property sold for import into the United States will be stored in a Government approved bonded area or retained in U.S. Government possession pending actual shipment.

(2) Department of the Treasury permit for import of such property into the United States has been received by the purchaser and proof thereof furnished prior to removal.

(3) The Import Certificate/Delivery Verification (IC/DV) System will apply or the property will be shipped on a commercial shipping document showing the U.S. Government as the shipper to a consignee and destination consistent with the import permit. The procedures for these controls are set forth in chapter XVI of the Defense Reutilization and Marketing Manual, DoD 4160.21-M and the Export Administration Regulation, 15 CFR.

j. By sale through negotiation of surplus ammunition to State agencies in support of bona fide avalanche control programs. Amounts and types of ammunition to be sold, recipient states, and priorities of sales will be determined and communi-

cated to the U.S. Army Armament, Munitions and Chemical Command, Rock Island, IL 61299-6000, and the Naval Sea Systems Command, ATTN: SEA-66412, Washington, DC 20362-5101.

3. All donations will be made subject to a condition which prohibits further disposition (including redonation or barter) of the items without prior approval of DLA.

4. As a condition to approving subsequent disposition to the general public by the purchaser or donee under subparagraph 2 above, DLA or the Military Services concerned will require demilitarization of the property in the same manner as prescribed in this chapter.

C. CONTROL OF SMALL ARMS AND OTHER WEAPONS

Pursuant to the disposal by transfer or sale of small arms or other weapons coming within the purview of the National Firearms Act (Chapter 53, Title 26, U.S.C.), the Director, Bureau of Alcohol, Tobacco and Firearms, Department of the Treasury, will be notified of any transfer to another Federal Agency or disposition to any state or political subdivision thereof or the District of Columbia. The Director also will be notified of any donation of such small arms or other weapons to museums and veterans' organizations even though the item may have been made unserviceable, including a description of the method used to render the item unserviceable. Notification will be effected by submission of a U.S. Treasury Department Form 5, Internal Revenue Service (Firearms). This form is used in reporting tax free dispositions under the Act. Copies of the form are obtainable upon request from any District Director of Internal Revenue. Among those firearms subject to the provisions of the National Firearms Act are the following: firearms which are capable of firing more than one shot with a single pull of the trigger; e.g., machine guns, submachine guns, M2 and M3 carbines, M14 and M16 series rifles; shotguns with a barrel or barrels less than 18 inches in length; rifles with barrels less than 16 inches in length; combination rifles and shotguns with folding or detachable shoulder stocks, such as M4 and M6 survival weapons; and pistols which are either fully automatic or equipped with shoulder stock attachments; mufflers or silencers for any firearms whether or not such firearms are included in the above definition.

D. INERT MATERIAL

1. All material generated from the firing and/or demilitarization of AEDA will be rendered inert before being turned in to a DRMO. To prevent dangerous material from being turned in to a DRMO, all inert ammunition items including dummy rounds, containers and items such as ammunition pouches and bandoliers and inert material generated from demilitarized AEDA will be inspected by a technically trained and qualified individual who will submit a certificate as part of the turn-in document, as follows:

"I certify that the item or items listed hereon have been inspected by me and, to the best of my knowledge and belief, contain no items of a dangerous or hazardous nature."

2. Each generating activity will provide a listing of individuals qualified to inspect and certify property as being inert. It is the responsibility of the turn-in activity to keep the list current, with updates being provided as personnel changes dictate. DRMOs will ensure that the person who signs the certificate is included on the qualified individual list prior to accepting accountability for AEDA.

3. Material generated from AEDA, even though properly inspected and rendered inert, will not be mingled with other types of material including scrap when transferred to the DRMO. Emphasis will be placed on the separation of inert projectiles, dummy rounds of ammunition, and other inert ammunition items from other types of material.

E. POLICY FOR DISPOSITION OF MUNITIONS LIST AND STRATEGIC LIST ITEMS

1. It is the policy of DoD to cooperate with the U.S. State Department and Commerce Department in controlling the disposition of surplus and foreign excess Munitions List and Strategic List Items located outside the United States, Puerto Rico, American Samoa, Guam, the TTPI, and the Virgin Islands. Demilitarization of Munitions List Items over and above that required by DoD but necessary to conform to U.S. State Department or foreign government requirements is authorized.

2. In some cases, demilitarization may not be necessary, while in other cases, limited demilitarization may be necessary only for certain parts of components having military characteristics. Technical

instructions issued by the Defense Agency or Military Service having procurement responsibility for the item involved, will determine the method of demilitarization and the degree to which additional demilitarization is necessary to meet the requirements in their respective areas.

F. SAFETY PRECAUTIONS IN DEMILITARIZATION BY TORCH CUTTING

1. Demilitarization by torch cutting is inherently hazardous. High order and low order explosions may occur in torch cutting closed chambers such as tanks, accumulators, recoil mechanism components, aircraft struts, hollow rods or hollow valve stems, even though the components are not under pressure or have had small holes drilled in them.

2. An explosive condition may result from the heat of the torch vaporizing oil, paint or components inside the component. In addition, gases from the cutting torch may enter the hollow space, either adding to or creating a highly explosive condition.

3. In torch cutting it must be realized that components under spring pressure may become dangerous upon sudden release of the spring holding construction.

4. Safety precautions are also necessary where flammable materials or materials such as sodium and magnesium are involved in the torch cutting operation.

5. Precautions against the hazards of torch cutting should include isolation of the working area, a technical knowledge of the construction of the component to be torch cut, and remote control of the cutting operation, when required.

G. DEMILITARIZATION BY DEEP WATER DUMPING (DWD) AT SEA

1. DWD at sea is an alternate method of demilitarization of Munitions List Items which may be considered when it is not possible to recycle or sell the material, or if it would be unsafe to utilize other methods of disposal.

2. In accordance with the Marine Protection and Sanctuaries Act of 1972, Title 1, Section 101(c), disposal in the ocean of items collected ashore or from ships in port and transported from any U.S. or foreign port for DWD is prohibited, except as may be specifically authorized on a case-by-case basis. DWD must be supported by an Environmental Impact Statement (EIS), clearly showing that no other alternative disposal actions are feasible, and be independently reviewed and approved, before an Environmental Protection Agency (EPA) permit authorizing the DWD can be obtained.

3. When a determination is made that demilitarization by DWD is desired, a request for DWD, including complete identification of the items and their ingredients, together with an EIS, should be submitted to the Naval Sea Systems Command, ATTN: SEA-66412, Washington, DC 20362-5101. In most cases, at least 6 months must be allowed for processing the EIS and obtaining an EPA permit.

4. When an EPA permit is obtained, the Naval Sea Systems Command will initiate action to accomplish the approved DWD and will provide cognizant commands, activities or agencies direction relative to packaging, handling and transporting material to the DWD loading site, in addition to coordinating actions through completion of the DWD.

5. Certification of demilitarization by DWD will accomplished in accordance with paragraph A7, this chapter. A copy of the certification will be provided to each activity, command or agency generating material included in the DWD.

CHAPTER III - DEMILITARIZATION OF SURPLUS AND FOREIGN EXCESS SMALL ARMS WEAPONS AND PARTS

A. GENERAL. The instructions herein pertain to small arms weapons and parts (except recoilless rifles, mortars, rocket launchers, and similar items) in CONUS, and surplus and foreign excess small arms weapons, parts and accessories located in overseas areas including Alaska, Hawaii, Puerto Rico, American Samoa, Guam, the TTPI, and the Virgin Islands. Specific installations designated by the Military Services and DRMOs with approved local expanded demilitarization authority are excepted from these instructions and may effect local demilitarization in accordance with appendix 4, item 1, paragraphs b and c, and approved local expanded demilitarization procedures. Serial number visibility for small arms will be maintained in accordance with the Small Arms Serialization Program (SASP), as implemented by the Military Services/Defense Agencies throughout the disposal/demilitarization cycle. A technically qualified/responsible person will conduct an inspection of all complete small arms weapons and small arms barrel and receiver groups prior to turn-in to the DRMO and will enter on the turn-in document (DD Form 1348-1) the following certificate: "I certify that the item or items listed hereon have been inspected by me and to the best of my knowledge and belief contain no items of dangerous material." The certification on the turn-in document will be signed and dated by the individual making the inspection. In addition, the DRMO shall assure that a reinspection of all complete small arms weapons and barrel and receiver groups is accomplished by a technically qualified/responsible person who shall sign and date the DD Form 1149, Requisition and Invoice/Shipping Document .

B. DEMILITARIZATION IN CONUS

1. Demilitarization by Melting.

a. Demilitarization by melting will be accomplished at Rock Island Arsenal (RIA). Correspondence should be addressed to:

Commander, Rock Island Arsenal
Directorate of Logistics
ATTN: SMCRI-DLD-TM
Rock Island Arsenal
Rock Island, IL 61299

b. Items for which demilitarization by melting is not prescribed will not be shipped to RIA for melting. Such items will be disposed of locally in accordance with appendix 4. NOTE: DUE TO THE POTENTIAL DANGER OF MAGNESIUM FIRES, ITEMS CONTAINING MAGNESIUM WILL NOT BE SHIPPED TO ROCK ISLAND, BUT WILL BE DEMILITARIZED LOCALLY.

c. Preparation for shipment.

(1) All nonmetallic parts and nonferrous accessories (slings, oilers, cleaning rods and brushes, cleaning thongs, holster thongs, holsters, scabbards, carrying cases and bags, wooden and plastic stocks, hand guards, and other extraneous items) WILL BE REMOVED from the material to be demilitarized before shipment, and will be disposed of locally in accordance with appendices 3 and 4, item 1, paragraph b.

(2) Prior to shipment, authority to ship will be obtained from the Commander, Rock Island Arsenal, Directorate of Logistics, ATTN: SMCRI-DLD-TM, Rock Island Arsenal, Rock Island, IL 61299. When depots request disposition instructions for small arms parts and or weapons, a point of contact, telephone number, weight (in pounds), NSNs nomenclature, quantity, Demilitarization Code, condition code, acquisition value and serial numbers of the weapons should be provided with the request. In the interest of economy, care will be exercised to assure that sufficient quantities of surplus weapons and/or parts are accumulated prior to shipment to minimize transportation costs. Use of MILVAN containers is the preferred means of shipping.

(3) The item count of weapons shipped must agree with count furnished in the advance notice. RIA will be notified when weapons are withdrawn subsequent to furnishing advance notice.

d. Shipping Instructions

(1) The minimum Transportation Protective Measures (TPM) as prescribed in DoD 5100.76-M, Physical Security of Sensitive Conventional Arms, Ammunition and Explosives, chapter 6, as implemented in chapter 226 of the Military Traffic Management Regulation (AR 55-355, NAVSUPINST 4600.70, AFM 75-2, MCO P4600.14A, DLAR 4500.3) will be applied when commercial carriers are utilized to transport these shipments.

(2) When MILVAN containers are used, the gross weight will not exceed 10,500 pounds. Items may be placed loose in the MILVAN container and need not be individually packed. A minimum of internal dunnage is necessary when filling MILVAN containers. Dunnage at the sides will be needed only when cargo cannot fit. To prevent jamming of the door, steel banding may be used between the vertical face of the cargo, and the inside panels of doors. If this is not sufficient, strips of dunnage may be placed vertically or horizontally to fill the intervening space. After the MILVAN has been completely filled, the doors will be securely closed so as to engage the latch as well as the top and bottom bolts. The latch handle will then be sealed in the closed position with a serially numbered seal. The number of the seal will be recorded on all appropriate transportation and shipping documents to protect the "shippers' load and count". Additional protection will be provided by application of stout wire "0" to "5" gauge, tightly twisted, and snubbed off closely so as to prevent the movement of the latch handle.

(a) One full MILVAN container is considered the minimum that should be sent to RIA.

(b) MILVAN containers should be requested by contacting the Commanding Officer, MTMCEA, ATTN: JCCO, Bayonne, NJ 07002.

(3) When MILVAN containers are not used, shipments to RIA will be packed in sealed, numbered containers not to exceed 2,000 pounds per container. When shipped by rail, containers will be blocked to prevent shifting and the boxcars will be sealed.

(4) Items described in subparagraph (6) below must be identified and will be placed in containers separate from miscellaneous components and parts. Other miscellaneous components and parts will be shipped to RIA in separate containers and identified to RIA as miscellaneous weapons parts by weight and inventory value.

(5) Shipping documents will specify number of containers and total weight of material not otherwise identified by name (NOIBN) and will be signed by the shipper. Original and two copies of the shipping documents will be forwarded to the Commander, Rock Island Arsenal, Directorate of Logistics, ATTN: SMCRI-DLD-TM, Rock Island Arsenal, Rock Island, IL 61299.

(6) In those cases where complete weapons, receivers (or assemblies including receivers) stripped of nonmetallic parts, silencers, mufflers, and bayonets are included in the shipment, RIA or other consignee will be advised in advance of the shipment, specifying shipping document number, identification number of each container, type of weapons, and the exact quantity and inventory value of each type weapon in the container. Telephone may be used in an emergency, provided confirmation of report of shipment is made promptly by teletype, datafax or letter.

(7) Government Bills of Lading (GBLs) will reflect:

(a) Rail Shipments. Description will be shown as firearms or parts NOIBN in barrels or boxes. Rail classification UFC Item Number 38340.

(b) Truck Shipments. Description will be shown as firearms or parts NOI in barrels or boxes. Motor classification NMFC Item Number 69300.

(8) Government railroad cars and Government vehicles and drivers will be used when authorized and determined to be both economical and in the best interest of the Government.

(9) If the shipping activity, e.g., DRMO, does not receive acknowledgment of receipt from Rock Island Arsenal by the thirtieth day subsequent to the date of shipment, followup action will be taken by the shipping activity to obtain the required receipt acknowledgment documentation. The shipping activity's "clearance to ship letter" contains the applicable point of contact and Defense System Network (DSN) number to be utilized in following up on delinquent receipt documentation. Problems in followup actions which cannot be resolved by the DRMO will be referred to the Defense Reutilization and Marketing Region (DRMR) for resolution.

e. Commander, Rock Island Arsenal, Directorate of Logistics, Rock Island, IL 61299 will:

(1) Issue shipping instructions.

(2) Coordinate shipments with the holding (marketing) activities.

(3) Schedule incoming shipments.

(4) Receive material with documentation.

(5) Verify total weight, number of containers, and number of each type item described in subparagraph d(6) above, by count.

(6) Resolve discrepancies in shipments with shipment originator and/or carrier. Report unresolved discrepancies in shipments to Security Officer, Headquarters USAAMCCOM through the Rock Island Arsenal Security Office.

(7) Furnish, within 30 days of the date shipped, receipt to the shipping activity for each type item received by total weight and actual count for items described in subparagraph d(6) above.

(8) Require the material to be melted and ensure the appropriate certificate of demilitarization is accomplished. Retain certificate for 2 years.

(9) Transfer the melted scrap to the servicing DRMO for sale purposes.

(10) Adjust accountable records to compensate for dunnage and melting losses.

2. Expanded Local Demilitarization of small arms weapons and parts at selected installations.

a. Specific installations designated by the Military Services and DRMOs designated by DLA are authorized to perform expanded local demilitarization in the manner indicated on those items listed in subparagraph d below.

b. Activities authorized to perform local expanded demilitarization under constant quality assurance inspection. DRMS will establish DRMO expanded local demilitarization procedures in consonance with this requirement.

c. All activities with either crushing or shearing facilities will provide shielding safeguards to prevent injury to operating personnel from possible flying objects.

d. Those specific activities designated by subparagraph a above will demilitarize locally all quantities of the following small arms items in the manner specified:

(1) Receivers will be demilitarized by cutting (shear or torch) in a minimum of two places as depicted in appendix 7, or crushing in a hydraulic or similar type press to the extent to prevent reconstitution. Torch cutting for demilitarization purposes will be performed utilizing a cutting tip that displaces at least one-half inch of metal and cuts will be made completely through the receiver.

(2) Barrels will be crushed, sheared or cut with a torch utilizing a cutting tip that displaces at least one-half inch of metal in the chamber area and in two or more additional places to prevent reconstitution. Cuts will be made completely through the barrel.

(3) Machine guns will be cut in accordance with subparagraphs (1) and (2) above or, if crushing method is used, the trunnion block and side frame must be broken or distorted to preclude reconstitution.

(4) Magazines will be demilitarized by cutting, shearing, or crushing. Clips for the M1 rifle do not require demilitarization.

(5) Bolts will be demilitarized by cutting (shear or torch) in a minimum of two places, one of which will coincide with cuts illustrated in appendix 7. A torch cutting tip that displaces at least one-half inch of metal will be used.

(6) All other small arms components not listed above and not already authorized for local demilitarization will be shipped to Rock Island Arsenal for melting as outlined in subparagraph 1 above, or in accordance with appendix 4, item 1.

e. The demilitarization certificate required will be accomplished as prescribed in chapter II, paragraph A7, and will be executed by the activity performing the demilitarization and forwarded to the DRMO.

3. Demilitarization by DWD at sea. See chapter II, paragraph G.

C. DEMILITARIZATION OUTSIDE CONUS

1. Because of prohibitive transportation costs, etc., surplus small arms weapons and parts in Hawaii, Alaska, Puerto Rico, American Samoa, Guam, the TTPI, and the Virgin Islands will be demilitarized in the same manner as prescribed for foreign excess by one of the following methods:

a. Complete demilitarization by melting.

b. Complete demilitarization by cutting, crushing, shearing, or breaking.

c. Deep water dumping at sea in accordance with chapter II, paragraph G.

2. Theater commanders, in coordination with DRMS/DRMR, will determine the method to be used and the degree to which additional demilitarization is necessary to meet the requirements in these areas.

3. Demilitarization will be accomplished in the most cost-effective manner by the generating agency, the DRMO, as a condition of sale, or by a service contract.

D. FORECAST OF TONNAGE OF SMALL ARMS WEAPONS AND REPAIR PARTS TO BE DEMILITARIZED BY SMELTING

Each Military Service/Defense Agency will furnish a forecast of tonnage of small arms weapons and

repair parts expected to be shipped to Rock Island Arsenal for smelting. The forecast will be by fiscal year and will be due on 15 September preceding the fiscal year, and will be forwarded to the Commander, Rock Island Arsenal, Directorate of Logistics, ATTN: SMCRI-DLD-TM, Rock Island Arsenal, Rock Island, IL 61299. DRMR/DRMO activities will provide a copy of the forecast of tonnage to DRMS, ATTN: DRMS-O, 74 N. Washington Ave., Battle Creek, MI 49017-3092.

CHAPTER IV - DEMILITARIZATION PRIOR TO DISPOSITION BY DONATION

A. DISPOSITION BY DONATION

1. As authorized by 10 U.S.C. 2572, 10 U.S.C. 7545, or other similar statutes, specific condemned or obsolete combat material (e.g., combat aircraft, vessels, guns, projectiles, tanks, etc.) may be donated in the manner prescribed in DoD 4160.21-M, Chapter X, to municipal corporations, posts of recognized war veterans associations for use or display and to accredited museums for display. Minimum demilitarization of such items will be accomplished to render the items unserviceable in the interest of public safety. This limited or minimum demilitarization will be performed in accordance with the instructions provided by DLA. These instructions will preserve the intrinsic, historical or display value of the property.

2. All such donations under the authority outlined above will be made subject to a special condition which prohibits further disposition (including redonation) of the items without prior approval of DLA and/or Military Service effecting the original donation.

3. Detailed instructions will be provided on a case-by-case basis by DLA. Requests should be sent to: Defense Logistics Agency, ATTN: DLA-SMP, Cameron Station, Alexandria, VA 22304-6100. These procedures may not constitute complete demilitarization as required by the instructions in appendix 4. Complete demilitarization, as described in appendix 4, must always be accomplished on partially demilitarized and modified items prior to final disposition.

B. DEMILITARIZATION COSTS FOR DONATED ITEMS

Costs of demilitarization will be borne by the authorized donee. Charges will be assessed by the donating Military Service based on actual demilitarization cost at the time of donation.