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DEPARTMENTS OF THE ARMY, THE NAVY, AND THE AIR FORCE

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Naval Sea Systems Command Washington, DC 20362-5101	NAVSEAINST	8027.2A
Headquarters Air Force Logistics Command Wright-Patterson Air Force Base, OH 45433-5001	AFLCR	136-5
Headquarters Air Force Systems Command Andrews Air Force Base, DC 20334-5000	AFSCR	136-5

5 Oct 1989

Explosives

DEMILITARIZATION/DISPOSAL REQUIREMENTS RELATING TO THE DESIGN OF THE NEW OR MODIFICATION OF AMMUNITION ITEMS

Supplements to this regulation are prohibited. Send suggested or required changes to the Service Office of Primary Responsibility (OPR).

Purpose: This regulation establishes joint AMC/NAVSEA/AFLC/AFSC demilitarization and disposal policies, responsibilities, and procedures relating to requirements governing the concept, research, development, engineering, and release for production for all new or modified ammunition items including pyrotechnic, explosive, propellant, and chemical (lethal and non-lethal) components.

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*Supersedes NAVMATINST 8027.1/AFLCR 136-5/AFSCR 136-5/DARCOM-R 75-2, 15 November 1977.
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OPR: AMC/AMCCA
NAVSEA/SEA/06G
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Distribution (see page 8)

1. Terms

a. Ammunition. The term ammunition as applied in this regulation includes all non-nuclear ordnance components and explosives prepared to form a charge, complete round, or cartridge for small arms, rifle, gun, cannon or any other weapon or explosive-actuated device, impulse device, torpedo warhead, mine, bomb, depth charge, fuze, detonator, projectile, rocket or guided missile. Ammunition also includes all solid propellants, explosives, hypergolic liquids propellant systems, and other hazardous materials applied to ordnance uses and requiring surveillance for reasons of explosive safety and all JATOs, boosters, sustainers, military pyrotechnics, and offensive-type chemical and biological warfare materials.

b. Demilitarization. The act of destroying the military offensive or defensive advantage inherent in ammunition. This process may be applied to serviceable or unserviceable items which are excess, obsolete, or uneconomically repairable, as well as, items determined to be hazardous for continued storage. Unless hazardous, the item must pass through a system to ensure that re-utilization, transfer, or sale options are exhausted by the appropriate Inventory Control Point (ICP). Methods for demilitarization of ammunition are to include open burning, open detonation, disassembly, washout, deactivation, mutilation, chemical neutralization, or other environmentally and safety-approved methods which render it inert and no longer usable for military applications.

c. Disposal. The process of redistributing, transferring, donating, or selling disposable property.

d. Disposability by Acceptable Means. Any method of ammunition disposal which meets and accommodates the most restrictive environmental constraints applicable to the jurisdiction in which the ammunition disposal takes place.

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2. Background. This regulation expands and implements the joint agreement on demilitarization/disposal requirements relating to the design of new or modified ammunition items issued by the Commanders of AMC/NAVSEA/AFLC/AFSC on 14 April 1976 and it applies to commands and activities involved in developing or modifying ammunition items.

3. Scope. This regulation applies to AMC/NAVSEA/AFLC/AFSC headquarters, major subordinate commands, installations, activities, depots, laboratories, and project/program managers having responsibilities for disposal requirements relating to the design of new or modification of ammunition items.

4. Objectives. The objectives of this regulation are to--

a. Assure that demilitarization and disposal considerations are an integral part of the planning and decision-making processes for all new or modified ammunition items from conception to final acceptance of the end item.

b. Provide for review and approval of demilitarization and disposal considerations and plan in accordance with program management procedures and in all instances prior to operational test and evaluation (OT&E).

c. Assure that safety and environmental quality are primary considerations in the demilitarization and disposal procedures developed.

d. Assure that maximum attainable recycling and recovery are achieved in accordance with the Resource Conservation and Recovery Act (RCRA).

5. Policy

a. Demilitarization and disposal by acceptable means shall be a mandatory consideration in the design concept of new or modification of ammunition items.

b. Demilitarization and disposal considerations and procedures will be incorporated into the design and development of new of modified ammunition items to achieve compliance applicable environmental requirements. Documentation of the detailed chemical, physical, and quantitative characteristics of any propellant, explosives, and pyrotechnics (PEP) or PEP-related materials to be demilitarization must be included in the plan.

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c. Disassembly, recovery, and salvage of ammunition components for re-use or conversion to other applications will be given full consideration in all ammunition design and modification activities.

6. Responsibilities

a. Activities, commands, divisions, centers, and program offices responsible for ammunition development or modification will implement actions necessary to comply with the policy of this regulation to include--

(1) Assuring that demilitarization and disposal consideration are incorporated as an integral part of planning and decision-making processes for all new or modified ammunition items.

(2) Preparation of an ammunition demilitarization and disposal plan in a format similar to that provided in the appendix, page 5.

(3) Provision for review and approval of demilitarization and disposal consideration and plans through existing Command channels prior to OT&E.

(4) Providing an approved disposal plan to the Single Manager for Conventional Ammunition for all new or modified ammunition which will be produced, stored, demilitarized or disposed of under this cognizance.

(5) Issuing appropriate regulations, instructions, or procedures to implement the policy and procedures in this regulation.

b. The Joint Ordnance Commanders Group (JOCG) will--

(1) Ensure implementation of these policies and make recommendations to the Joint Logistics Commanders as appropriate.

(2) Ensure review of at least one new or modified ammunition plan per year, per service, for compliance with this regulation.

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APPENDIX

DEMILITARIZATION/DISPOSAL PLAN FORMAT

PURPOSE

This plan identifies requirements necessary to accomplish safe and environmentally acceptable demilitarization/disposal of the item.

ITEM DESCRIPTION

This will describe the configuration of the item with attached illustration(s). List the composition, weight, and quantity for each component, as well as the aggregate weight of all materials in the item.

List all classified items/components and provide minimum declassification requirements for each.

List all precious metals and materials and identify quality of each.

SAFETY SUMMARY

This will summarize safety hazards that are unique to the item and precautions/procedures that must be employed during the demilitarization/disposal operation. List all hazardous materials in the item, e.g., tritonal, tetryl, carcinogenics, heavy metals, etc. and quantity of each.

ENVIRONMENTAL SIGNIFICANCE

This will include an analysis describing the environmental significance of each demilitarization/disposal alternative and a listing of the detailed chemical, physical, and quantitative characteristics of PEP or PEP-related materials in the item.

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DEMILITARIZATION/DISPOSAL ALTERNATIVES

This will list alternative methods of demilitarization and disposal of the item(s) addressed by the plan identifying the preferred method. (Note: The Government shall provide information on available technology and equipment capability to the contractor. The contractor shall utilize this data in developing the demilitarization and disposal plan).

DEMILITARIZATION/DISPOSAL PROCEDURES

This will describe each alternative method in detail including step-by-step procedures including safety precautions, disassembly diagrams, declassification procedures, and component and piece part tables.

DEMILITARIZATION/DISPOSAL SPECIAL TOOL AND EQUIPMENT

This will describe special tools and equipment required to accomplish the procedures described.

REFERENCE DOCUMENTS

This will list and identify directives and technical data specifically applicable to the plan.

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