

20 SEPTEMBER 2005



Maintenance

MUNITIONS

NOTICE: This publication is available digitally on the AFDPO WWW site at:
<http://www.e-publishing.af.mil>

OPR: HQ USAF/ILMW (SMSgt Follett)
Supersedes AFD21-2, 8 June 1993.

Certified by: HQ USAF/IL (Lt Gen Wetekam)
Pages: 6
Distribution: F

This directive establishes policy for accountability and maintenance of munitions. It implements policies in DoD Directive 4151.18, *Maintenance of Military Materiel* and DoD Directive 4140.1, *Supply Chain Management Policy*. This policy directive applies to all Air Force activities, including the Air National Guard and the Air Force Reserve, tasked with the responsibility to control, safeguard, manage, account for and perform munitions maintenance. Records Disposition: ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with AFMAN 37-123 (will convert to AFMAN 33-363), *Management of Records*, and disposed of in accordance with the *Air Force Records Disposition Schedule (RDS)* located at <https://afrims.amc.af.mil>.

SUMMARY OF REVISIONS

All sections have been revised to emphasize readiness and support for air expeditionary forces. Policy, objectives and responsibilities stress DoD guidance and measurement/reporting of results. An expanded list of publications, acronyms and terms is included in **Attachment 1**.

1. Policy. This publication establishes policy and assigns responsibilities for the maintenance and accountability of munitions to meet operational needs, including mobilization and surge requirements. This includes conventional munitions, nuclear weapons, cruise missiles, intercontinental ballistic missiles, and space launch weapon systems.

- 1.1. Maintenance and accountability shall be performed at the lowest level to optimize readiness and resources.
- 1.2. Only fully-qualified technicians will inspect and maintain munitions and weapon systems to ensure they are serviceable and available for sustained use.
- 1.3. Organizations, tools, equipment and skills shall be standardized where possible.
- 1.4. Information systems shall leverage automated technology to provide accurate real time operational management and total asset visibility.

1.4.1. Information systems shall be used to provide accountability of munitions from the point of entry into the Air Force stockpile until it is expended, demilitarized or transferred to a disposal activity.

1.5. Facilities and areas will be set aside exclusively for the storage, maintenance, inspection, and repair of weapon systems.

1.6. Munitions shall be positioned in operational theaters, Standard Air Munitions Packages, force provider locations, and on Afloat Prepositioned Fleet (APF) ships, and in CONUS to meet Commander requirements, including homeland defense requirements.

1.7. Air Force nuclear weapons and conventional munitions must be moved by the most secure means over the safest routes practicable. Major commands (MAJCOM) will consider the use of military airlift before authorizing movement of nuclear weapons by Department of Energy (DOE) Safeguard Transports for continental United States movements.

2. Objectives. Our overarching objective is to maintain munitions, missiles, and space assets in a safe, serviceable and ready condition to meet mission needs. Toward that end, the AF shall:

2.1. Support *readiness* objectives by maintaining equipment in optimum condition.

2.2. Assign *skilled personnel* necessary to support expeditionary air forces and local mission requirements.

2.3. Manage *systems health* to ensure long-term capability of munitions equipment.

3. Roles and Responsibilities

3.1. Headquarters Air Force. The DCS/Installations and Logistics (AF/IL) is the chief HAF agency with the responsibility for policy, resources and management of all munitions systems.

3.1.1. Policy. Prepares, publishes and reviews AF-level policy.

3.1.2. Resources. Advocates resources to sustain munitions operations.

3.1.2.1. Analyzes or summarizes munitions capabilities and maintenance trends.

3.2. Major Command. MAJCOMs provide manpower resources and training consistent with the assigned mission. Additionally, MAJCOMs will provide detailed policy, funding and analysis to optimize readiness.

3.2.1. Prepare funding plans and budgets for out-year munitions support requirements, weapon system modifications, and service life extension programs including infrastructure, manpower, and support equipment.

3.2.2. Air Force Materiel Command (AFMC) will provide responsive support for logistics, engineering and research, development, test and evaluation, technical sustainment, product assurance, and life-cycle sustainment to support all MAJCOMs.

3.2.2.1. Ensure munitions operational safety, suitability and effectiveness.

3.2.2.2. Develop procedures for, schedule, and coordinate nuclear weapons and cargo shipments.

3.2.3. AETC is responsible for providing training to individual technicians and leaders.

3.3. Wings. Air Force wings are the primary maintenance level for munitions.

3.3.1. Base level activities must maintain the capability to support all operational and mobilization requirements.

3.4. Air Force commanders will ensure assets received, stored, and issued are accurately accounted for and reported within the established timeframe and that maintenance is performed at the required intervals.

4. Measurements and Reporting.

4.1. Air Force organizations will use Status of Resources and Training System (SORTS) to report manpower and equipment status (excluding munitions stocks).

Pete Geren
Acting Secretary of the Air Force

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION***References***INTERFACING PUBLICATIONS***Air Force Instructions*

AFJI 11-204, *Operational Procedures for Aircraft Carrying Hazardous Materials*

AFI 21-101, *Aerospace Equipment Maintenance Management*

AFI 21-108, *Maintenance Management of Space Systems*

AFI 21-114, *Managing Intercontinental Ballistic Missile Maintenance*

AFI 21-116, *Maintenance Management of Communications – Electronics*

AFI 21-118, *Improving Air and Space Equipment Reliability and Maintainability*

AFI 21-201, *Management and Maintenance of Non-nuclear Munitions*

AFI 21-204, *Nuclear Weapons Procedures*

AFI 21-205, *Command Disable System (S-FRD)*

AFI 21-210, *Department of Energy Visits to Air Force Organizations*

AFI 21-211, *Emergency Munitions Support for Joint Operations*

AFI 21-215, *Conventional Munitions Security Classification Procedures (FOUO)*

AFI 31-101, *Air Force Installation Security Program*

AFI 36-2232, *Maintenance Training*

AFMAN 37-123 (will convert to AFMAN 33-363), *Management of Records*

AFI 38-101, *Air Force Organization*

AFI 63-111, *Contract Support for Systems and Equipment*

AFMAN 91-201, *Explosives Safety Standard*

Air Force Policy Directives

AFPD 10-12, *Space*

AFPD 20-3, *Air Force Weapon System Repairable Asset Management*

AFPD 21-1, *Air and Space Maintenance*

AFPD 24-2, *Preparation and Movement of Air Force Materiel*

AFPD 63-12, *Assurance Of Operational Safety, Suitability, & Effectiveness*

Department of Defense Publications

DoDD 4151.18, *Maintenance of Military Materiel*

DoDD 4140.1, *Supply Chain Management Policy*

DoDI 4140.62, *Management and Disposition of Materiel Potentially Presenting an Explosive Hazard (MPPEH)*

DoDD 4540.5, *DoD Nuclear Weapons Transportation Manual*

DoDD 5025.12, *Standardization of Military and Associated Terminology*

DoD 5100.76-M, *Physical Security of Sensitive Conventional Arms, Ammunition, and Explosives*

DoDD 5160.65, *Single Manager for Conventional Ammunition (SMCA)*

DoD 5160.65-M, *Single Manager for Conventional Ammunition (Implementing Joint Conventional Ammunition Policies and Procedures)*

DoDD 5210.41, *Security Policy for Protecting Nuclear Weapons*

DoD 6055.9-STD, *DoD Ammunition and Explosive Safety Standards*

Joint Publications

CJCS Manual 3150.04, *Joint Reporting Structure Nuclear Weapons Report*

JP 1- 02, *DOD Dictionary of Military and Associated Terms*

JP 1- 04, *Joint Policy and Procedures Governing Positive Control of Material and Devices*

TO 11N-4-1, *Glossary of Nuclear Weapons Material and Related Terms*

Abbreviations and Acronyms

AETC—Air Education and Training Command

AFI—Air Force Instruction

AFMAN—Air Force Manual

AFMC—Air Force Materiel Command

AFPD—Air Force Policy Directive

CJCS—Chairman of the Joint Chiefs of Staff

DoDD—Department of Defense Directive

DoDI—Department of Defense Instruction

FY—Fiscal Year

HAF—Headquarters Air Force

JP—Joint Publication

MAJCOM—Major Command

RDS—Records Disposition Schedule

SMCA—Single Manager for Conventional Munitions

TAV—Total Asset Visibility

USAF—United States Air Force

Terms

Accountability—The obligation imposed by law or lawful order or regulation on an officer or other person for keeping accurate record of property, documents, or funds. The person having this obligation may or may not have actual possession of the property, documents, or funds. Accountability is concerned primarily with records, while responsibility is concerned primarily with custody, care, and safekeeping. The degree of responsibility for property that exists when a record of property is maintained on a numbered stock record account subject to audit. All munitions maintenance functions have an *inherent responsibility* to ensure *accountability* is maintained.

Air and Space Equipment—Equipment used and maintained to meet the Air Force mission. It includes aircraft, missiles, space equipment, communications-electronic equipment, avionics, engines, training equipment, support equipment, aircraft and space ground equipment, sound suppressor systems, test, measurement and diagnostic equipment and major end-items of all equipment.

Munition—A complete device charged with explosives, propellants, pyrotechnics, initiating composition, or chemical agents for use as a military operations, including demolitions. This includes bombs and warheads; guided and ballistic missiles; artillery, mortar, rockets and ammunition; all mines, torpedoes, and depth charges; demolition charges; pyrotechnics; smoke; flares; napalm; clusters and dispensers; cartridge and propellant actuated devices; electro-explosive devices; clandestine and improvised explosive devices; and all similar or related items and stores, or components explosive in nature. Certain suitably modified munitions can be used for training, ceremonial, or non-operational purposes.

Nuclear Weapon—A complete assembly (i.e., implosion type, gun type, or thermonuclear type), in its intended ultimate configuration which upon completion of the prescribed arming, fusing, and firing sequence, is capable of producing the intended nuclear reaction and release of energy.

Readiness—The ability of US military forces to fight and meet the demands of the national military strategy. Unit readiness is the ability to provide capabilities required by the combatant commanders to execute their assigned missions.

Total Asset Visibility—(TAV) The capability to provide users with timely and accurate information on the location, movement, status, and identity of units, personnel, equipment, materiel, and supplies.