



DEPARTMENT OF THE ARMY
INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, U.S. ARMY GARRISON, FORT WAINWRIGHT
1046 MARKS ROAD #6000
FORT WAINWRIGHT, ALASKA 99703-6000

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DEC 18 2015

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: United States Army Garrison Ft Wainwright (USAG FWA) Explosives Safety Management Program (ESMP)

1. References:

- a. AR 385-10, The Army Safety Program, 27 November 2013.
- b. DA Pam 385-64, Ammunition and Explosives Safety Standards, 24 May 2011.
- c. DODD 6055.9E DOD Explosives Safety Management and the DOD Explosives Safety Board.

2. Purpose: This document implements the USAG FWA Explosives Safety Management Program (ESMP). This program complies with the requirements set forth in DODD 6055.9E, DODI 6055.16, DODM 6055.09-M, AR 385-10, and DA Pam 385-64.

3. Applicability: This document and the provisions of this ESMP are applicable to all commands, staff offices, activities and tenants of Ft Wainwright (FWA) which have operations and activities involving the handling, storage, testing, research and development, renovation, shipping, receiving and/or disposal of Ammunition and Explosives (A&E). NOTE: Throughout this ESMP, A&E will mean not only conventional ammunition but also nonstandard A&E (Appendix H) chemical agent A&E, ordnance and explosives clean-up operations when and where appropriate.

4. Responsibility: The Garrison Commander (GC), USAG FWA, is responsible for the ESMP and will appoint a senior Safety and Occupational Health Specialist responsible as the Explosive Safety Manager for USAG FWA. The GC will review and approve as final approval authority any FWA high risk A&E safety deviations.

a. The USAG FWA Explosive Safety Program Manager will:

- (1) Manage and execute the overall ESMP on behalf of the GC for FWA.
- (2) Promulgate FWA Explosive Safety Policy (site plans, program reviews, deviations, emergency response, etc.).
- (3) Prepare, review and forward to the GC all site plans prior to forwarding to US Army Technical Center for Explosives Safety (USATCES).
- (4) Ensure that military and civilian personnel receive and document explosives safety training as required by Army policy and standards.
- (5) Chair the FWA Executive Explosives Safety Council (EESC).
- (6) License A&E storage for every location where storage of Class V items within the FWA Area of Responsibility (AOR) is authorized.
- (7) Mediate A&E safety issues across FWA tenants.

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(8) Review FWA A&E Certificate of Risk Acceptance (CORA) and provide concurrence from master planning.

(9) Serve as POC for all external A&E safety inspections and evaluations.

(10) Provide training for the 3Rs (Recognize, Retreat and Report) and Unexploded Ordinance (UXO) safety education/information to personnel living within the FWA AOR or that work on or use FWA property. This training will be provided to all contractors that will be doing any digging or excavation within the FWA AOR in areas where A&E contaminated areas are known or suspected.

(11) Advise the GC and staff on pertinent ESMP issues requiring a leadership decision.

b. The USAG FWA Safety Office will:

(1) Conduct annual safety program reviews of each tenant on FWA. Conduct periodic inspections and/or audits of A&E activities to ensure compliance with FWA ESMP, AR 385-10 and DA Pam 385-64, including compliance with the Hazards of Electromagnetic Radiation to Ordnance (HERO) program requirements.

(2) Review FWA A&E safety deviations and provide recommendations to the GC. Conduct periodic reviews of FWA deviations to A&E safety standards to ensure that assessments are current and that all exposures, risks and mitigating actions have been identified and provide a copy of the review through the chain of command to the USATCES for centralized Army management and oversight.

(3) Manage the results of external A&E safety inspections, evaluations, audits and surveillance efforts (Headquarters (HQ), Inspector General (IG), technical assistance, Department of Defense Explosive Safety Board (DDESB) survey or program evaluation) and incorporate into USAG FWA action plans, lessons learned and tracking to remediate inspection deficiencies.

(4) Report FWA A&E accidents to the EAES and participate on Army and/or FWA A&E investigation teams as required.

(5) Maintain ESMP files and documentation.

(6) Be an active member of the quarterly FWA ESWG to discuss and resolve technical A&E safety issues.

(7) Maintain approved Explosives Safety Site Plans (ESSPs) within the FWA AOR. Approved ESSPs (including the approval correspondence from DDESB and USATCES).

(8) Assist commanders and staffs with resolving explosives safety concerns associated with real property known or suspected to contain Munitions and Explosives of Concern (MEC).

(9) Ensure operating, training and construction plans provide adequate resources to comply with ESMP requirements and to mitigate to the extent possible any explosives safety hazards per AR 385-10.

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(10) Issue explosive safety site licenses for all AA&E storage to include unit arms rooms. Reviews/renewals shall be conducted annually.

(11) Manage and staff their organization with safety personnel which will:

(a) Serve as the point of contact for all ESMP-related actions associated with their tenant organization's A&E operations.

(b) Identify requirements for, assist with the preparation of, properly coordinate and review and approve explosives licenses, A&E safety site plans, safety submissions, SOPs and A&E safety deviations for their tenant organization.

(c) Ensure all tenant organization Potential Explosion Sites (PESs) and Exposed Sites (ES), both military and civilian, are covered by approved A&E safety site plans and submissions and are properly depicted on the FWA Master Plan.

(d) Ensure that plans and protective construction designs for explosives, chemical agent, or ordnance clean-up manufacture, testing, storage, surveillance, maintenance, response actions, demilitarization and disposal facilities are properly reviewed for compliance with safety standards, by appropriately experienced personnel.

(e) Ensure a safety inspection is conducted and documented at least semiannually for all areas where A&E-related activities (for example, production, handling, use, maintenance, munitions response, demilitarization and disposal) routinely occur. Maintain a list of all such areas and records of inspections. Static storage will be inspected on a minimum of least annually. Reference Appendix G for standard FWA storage facility inspection checklist. Ensure special analysis and management controls are in place for any nonstandard A&E within the FWA AOR.

(f) Monitor A&E uploads and other A&E activities that involve the transportation, storage and operations of A&E to ensure that pertinent explosives safety requirements are met IAW Appendix G, AR 385-64 for standard FWA magazine inspection checklist.

(g) Review the Installation Master Plan and Quantity-Distance (QD) compliance for new facilities construction on existing AE sites both prior to and after construction completion.

(h) Review policies, SOPs and directives for compliance with USAG FWA explosives safety requirements.

(i) Review CORAs and certificates of compelling reason for completeness and accuracy prior to forwarding for approval.

(j) Maintain a list of approved A&E safety deviations and advise incoming tenant commanders/directors of existence and plans for correction.

(k) Actively participate in the Installation Master Planning process and annually review the Installation Master Plan to ensure the tenant organization's A&E current and future operations quantity distance arcs are appropriately drawn.

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(12) Manage FWA tenant employees who will:

(a) As a condition of employment, adhere to all instructions and use the Personal Protective Equipment (PPE) and protective devices provided.

(b) Develop safe working habits by following safe practice rules and regulations in order to protect themselves and fellow workers from injury.

(c) Read, sign and follow all applicable SOPs prior to working with A&E.

(d) Inspect vehicles prior to operation, not operate any vehicle which has a safety discrepancy and ensure a current DD Form 626 is in vehicle. Notify supervisor of all deficiencies.

(e) Report any abnormal or unusual A&E condition to their supervisor for instructions.

(f) Report any A&E mishap, near miss or accident to tenant supervision.

(13) All tenant agencies that are involved in contracting for A&E operations within the FWA AOR will ensure all contracts include Defense Federal Acquisition Regulation Supplement (DFARS), clause 223.370 which requires the use of DoD contractor safety manual and safety oversight. Additionally all A&E contracts within the FWA AOR will comply with A&E safety requirements, accident reporting provisions and develop an ESMP, as required by DA Pam 385-64, DA Pam 385-65 and AR 385-10.

5. Executive Explosives Safety Council. This document implements the Executive Explosives Safety Council (EESC).

a. The EESC will be a part of the FWA Safety & Occupational Health Advisory Council. This Council is chaired by the GC or his representative. The FWA EESC will be organized to discuss and resolve managerial explosive safety policy issues. The council gives all tenant headquarters a voice in the formulation of FWA explosives safety policies. The council will make recommendations to the chairman on FWA explosives safety policy and program management. This council will meet semiannually or at the call of the chairman. The FWA EESC voting membership is comprised of the incumbent or his designated representative in the following positions:

- (1) Deputy to the Garrison Commander
- (2) Garrison Safety Manager
- (3) LRC Director
- (4) USARAK G-3
- (5) 1-25 SBCT Representative
- (6) DPTMS Director
- (7) UATF (AK) Representative
- (8) DES Director
- (9) DPW Real Property Manager
- (10) Environmental Chief

b. Any future proposed changes of the ESMP will be reviewed and adopted by the EESC voting members.

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6. All locations with A&E within the FWA AOR must have an approved ESSP as required by DA Pam 385-64. Once available, all future FWA ESSPs submitted will use the automated Explosives Safety Siting (ESS) Software. Until that time, all submissions shall be by electronic means. All explosive site plans will be generated through the Garrison Safety Office. All site plans will be kept on file in the Garrison Safety Office.

7. Tenants. Each tenant will have a documented agreement if necessary (Memorandum of Agreement (MOA), Memorandum of Understanding (MOU), or Lease) with the Garrison Safety Office related to explosive safety and ESMP. Any unique or unusual A&E operation which is not covered by DA Pam 385-64 will be documented in the agreement.

8. Contractors.

a. All contracts involving A&E will include DFARS, clause 223.370. DFARS, clause 223.370 requires the use of DoD contract safety manual and safety oversight. This clause cannot be removed without authorization of the Garrison Safety Office. The lead contracting agency will review appropriate A&E contracts for other explosives safety requirements.

b. In addition to the DFARS clause, all A&E contracts within the FWA AOR will require compliance with A&E safety requirements, accident reporting provisions and develop an ESMP as required by DoD 6055.9-M, AR 385-10, DA Pam 385-64 and DoD 4145.26M, whichever is most stringent.

c. For operations monitored by Defense Contract Management Agency (DCMA) within the FWA AOR, the DCMA safety representative will coordinate any A&E safety issues with the Garrison Safety Office.

9. Master Planning.

a. Real Property Master Planning (RPMP) is a continual, collaborative and integrated process, primarily performed at the installation level, reflective of mission requirements. In order to maintain this process it is imperative that all FWA tenants utilize the systems specified in AR 210-20, RPMP for Army Installations when requesting changes or additions to the RPMP. The Garrison Safety Office will participate in the FWA Real Property Planning Board (RPPB) to ensure that all new construction is properly sited according to explosives safety standards.

b. Any real property known or suspected to contain Munitions and Explosives of Concern (MEC), Unexploded Ordnance (UXO), or Chemical Warfare Materiel (CWM) will be treated and handled according to AR 385-10 and DA Pam 385-64.

c. The Garrison Safety Office will review annually (and document the review) the Installation explosives location map to monitor encroachment within Explosive Safety Quantity Distance (ESQD) and ensure required explosives safety site plans, submissions and explosives licenses are accomplished. The Garrison Safety Office will monitor the overall Installation explosives map and address any conflicts and/or deviations required to maintain the master plan.

10. Facilities Conformance. Tenants are responsible to ensure facility construction meets requirements of approved explosives safety site plan in accordance with the DA Pam 385-64, Chapter 4. Tenants are also responsible for conducting periodic inspections of their facilities to ensure continued compliance with

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the approved ESSP and are responsible for submitting work orders for facility non-conformances. The Garrison Safety Office has the authority to inspect any facility at any time within the FWA AOR.

11. Facilities Maintenance. All FWA organizations will have a program to address facility maintenance. Each program will:

- a. Ensure facility maintenance plans are in place for explosives related and supporting structures.
- b. Ensure action plans are in place for identifying, funding, and correcting facility deficiencies.
- c. Ensure periodic inspections and trends analysis is conducted on lightning protection systems. See DA Pam 385-64 for guidance.
- d. Ensure specialized training and cortication is provided (if required) to maintain explosives facilities.

12. Ranges.

a. Range Management Authority, USARAK G-3, is designated as the Senior Commander's representative for Command and Control (C2) for range and test areas within the USARAK AOR and will work with the responsible Garrison Safety Office to accomplish the installation range and test missions. All tenant activities will coordinate with Range Management Authority for current test and firing range status. Range operations will be in accordance with Standard Operating Procedures (SOP) published by Range Management Authority. Any military forces to include Army National Guard and Army Reserves coming onto Installation for on post training will coordinate and schedule through the Range Management Authority.

b. Organizations with Research Development Test & Evaluation (RDT&E) mission will utilize DA Pam 385-64 criteria and documentation for all explosives operations. Safety Directors of organizations with a RDT&E mission will utilize and document application of appropriate explosive safety considerations per DA Pam 385-64 for all explosives operations (i.e. support facilities, loading rooms, temperature conditioning buildings, service magazines, open storage pads, etc.). However, when a test to be conducted involves the firing of a projectile (including rockets and missiles) or the delivery of bombs; and the use of a Surface Danger Zone (SDZ) and/or Weapon Danger Zones (WDZ) maximizes safety then, the SDZ process may be used IAW DA Pam 385-63. When a munition and/or weapon system does not have an approved SDZ/WDZ, the deviation process contained within DA Pam 385-63 will be followed. The deviation limitations listed in DA Pam 385-63 do not apply.

13. Demilitarization and Destruction.

a. Demilitarization or destruction of ammunition, explosives and propellants will be accomplished by reclamation, Open Burning/Open Detonation (OB/OD) incineration, or other approved methods.

b. The 65th EOD is in charge of demilitarization and disposal of A&E within the FWA AOR and operates the permitted OB/OD area.

c. Location and type of all discovered UXOs shall be reported to the Garrison Safety Office and Master Planning for recording on the Real Property Master Plan.

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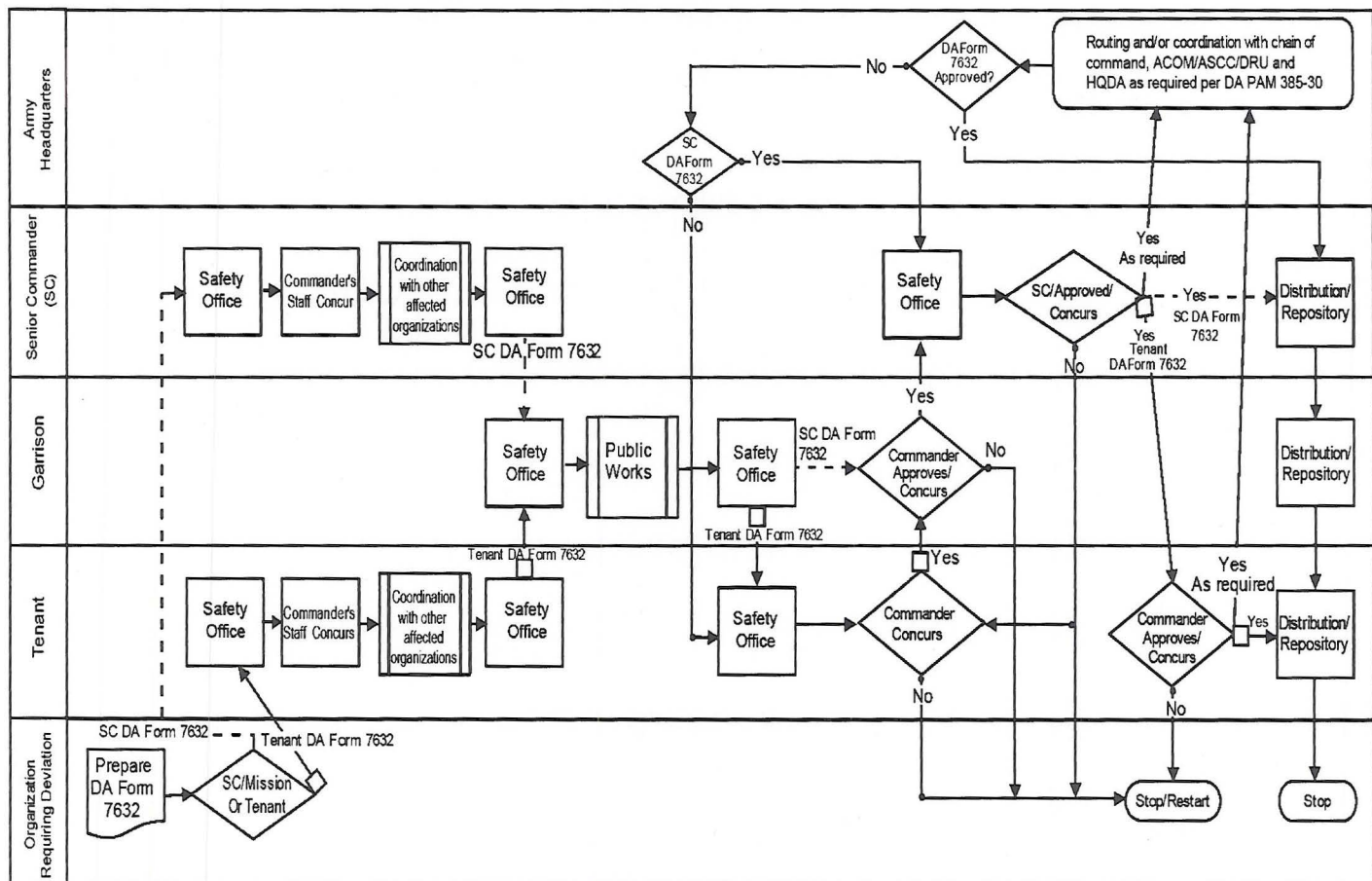
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14. Risk Management.

a. All employees at FWA and ASA involved with explosive handling will follow the procedures set forth in DA Pam 385-30, Mishap Risk Management. The risk acceptance process for Army organizations is shown below in the Deviation Approval and Risk Acceptance Document (DARAD) approval flow chart. Other Government Agencies (OGA) and Non-Government Organizations (NGO) located on or within the FWA AOR will specify an equivalent risk acceptance process in their ESMP.

b. Approval authority will be equivalent to Army requirements specified in DA Pam 385-30. All risk acceptances requiring a DARAD within the USAG FWA AOR will be submitted to the Garrison Safety Office for review and for repository. All medium and high level risk acceptances will be concurred by the Senior Commander.

Deviation Approval and Risk Acceptance Document (DARAD) Approval Flow Chart



Legend
 - - -> Senior Commander SC routing □ -> Tenant routing -> SC and Tenant routing
 -> DA Form 7632 disapproval/non-concurrence

(For JBER, substitute "Installation" for "Garrison.")

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15. Accident Prevention Program. All tenants with an A&E mission within the FWA AOR will have explosive safety as an integral part of their accident prevention plan. This accident prevention plan will be tailored to their operation which addresses the requirements stated in the AR 385-10 table 1-1 and DA Pam 385-10 as a minimum. A copy of the accident prevention plan will be provided to the Garrison Safety Office.

16. Emergency Response.

a. The FWA Fire Department will conduct fire prevention inspections in A&E facilities and have the authority to inspect any facility at any time within the FWA AOR. All organizations located within the FWA AOR with an A&E mission will maintain the proper fire and chemical hazard symbols of explosives present within the facility. In addition, the responsible Safety Office and the installation Fire Department will be notified when those hazards change. In the event of an explosives accident, the local installation Fire Chief will be the Incident Commander in charge of the emergency response until the scene is declared safe.

b. The scene will be turned over to the Senior Commander and the Director of Emergency Services will control the site after completion of the emergency response actions. The scene will be secured by installation security force until the Senior Commander releases the accident scene.

c. Provisions for complying with the Emergency Planning Community Right-to Know Act (EPCRA), Section 302-312 and DOD or DA implementing policies. (DA Pam 385-64 paragraph 6-20d).

d. Each organization with A&E missions within the FWA AOR will develop an emergency action plan (EAP) and will practice their plan at least annually. There will be an annual installation-wide emergency drill specific to an A&E accident or incident.

e. Any release of information to the public will be made by the Senior Commander's Public Affairs Office (PAO) only.

f. Army Accident Investigation team will be coordinated through Garrison Safety Office. All class A & Class B Army explosive accidents will be lead by a board from US Army Safety Center or United States Army Technical Center for Explosive Safety (USATCES).

17. Inspections, Evaluations and Audits.

a. All tenant organizations will conduct and document periodic internal (at least annual) inspections and/or audits of A&E activities to ensure compliance with DoD and Army A&E policies.

b. The tenant's safety office or other assigned safety personnel will document final A&E facilities acceptance inspections following construction, renovation, or modification of facilities prior to commencing any explosives operation.

c. The results of external inspections, evaluations, audits and surveillance efforts (HQ, IG, technical assistance, Department of Defense Explosives Safety Board (DDESB) survey or program evaluation) will be incorporated into action plans, lessons learned and will be tracked to remediate inspection deficiencies.

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d. Inspection records will be made available for review during a Garrison Safety Office and higher headquarters program evaluation.

18. Explosives Safety Issuances.

a. The ESMP issuances consist of, but are not be limited to, local policies and SOPs, ARs, pamphlets and other publications. All organizations and tenants within the FWA AOR having an Explosive mission will have a safety policy, ESMP and SOPs which includes A&E safety management.

b. All organizations and tenants within the FWA AOR will have SOPs which include A&E safety management. All organizations and tenants within the FWA AOR with A&E operations will review SOPs on a bi-annual basis except for demilitarization SOPs which will be reviewed annually. Recommended format to be used during the development of an SOP is detailed in AMC-R 700-107. The originating FWA organization will obtain appropriate professional safety support for review and concurrence of hazard analysis and SOPs.

c. All FWA explosives safety policies will comply with Army and DoD requirements and will be reviewed by explosives safety personnel prior to approval.

d. Any safety control measures required, such as through ESSP requirements or hazard analysis, to manage A&E risk will be documented with controls implemented and periodically monitored to ensure compliance.

e. All FWA organizations and tenants will be aware of and take precautions with any HERO unsafe munitions on FWA. If a HERO unsafe munition is located within the FWA AOR or if a munition will be rendered HERO unsafe, the Garrison Safety Office will be notified.

19. Records Management.

a. The Garrison Safety Office and tenant organizations will maintain records as required by ARs. Records will be made available for review during a Garrison Safety Office and higher HQ program evaluation.

b. Lightning Protection System (LPS) test and inspection records for the past six inspections cycles will be maintained by the tenant organization and the Garrison Safety Office.

c. Tenant organizations will maintain A&E inventory records to control NEW, Hazard Division (HD) and compatibility requirements per site plans and licensing.

20. Training.

a. All tenant commanders or directors will ensure all personnel who are involved in A&E operations, receive explosives safety training as required by Army policy and standards, including explosives risk management training for those responsible for the development and review of deviations and risk assessments. The minimum requirements for training are delineated in figure 1-1 of DA Pam 385-64. Tenant organizations will maintain training records on their employees.

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b. The Garrison Safety Office will provide training for the 3Rs (Recognize, Retreat, Report) and UXO safety education training/information will be provided to people living on the installation or that work on or use the property. The Garrison Safety Office will also provide all contractors that will do any digging on all Installations within the FWA AOR, a safety briefing on UXO safety and the 3Rs process. The Garrison safety personnel will be at a minimum CP12 ANSI Explosive Level 1 Safety certified and CP12 ANSI Certified Safety Specialist.

21. Nonstandard Ammunition.

a. Nonstandard ammunition is defined as munitions and/or energetic materials that do not have a standard National Stock Number (NSN), or not available for procurement through the defense supply system.

b. Storage of nonstandard ammunition in the FWA AOR shall be kept to the minimum in support of approved and funded programs, as well as in support of Research and Development (R&D) activities.

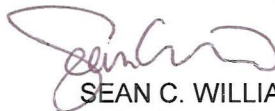
c. Nonstandard ammunition held in inactive long-term storage within the FWA AOR in excess of two years must have a justified request forwarded through command channels to the Garrison Safety Office and approval granted by the US Army Sustainment Command (ASC).

d. Nonstandard ammunition/propellant received with valid stabilizer test data results within the two years prior to receipt will be accepted for a period not to exceed two years from the last test date, or the date of manufacture.

e. All nonstandard ammunition requires a DoD, HD and Compatibility Group assignment. Nonstandard ammunition without proper assigned HD and Compatibility Group will be stored as HD 1.1 and Compatibility Group L. Small arms items (.50 caliber and below, in which the projectile does not contain energetic other than tracer material) will be stored as HD 1.4, Compatibility Group G. Storage of nonstandard ammunition that requires Compatibility Group L occupies valuable excessive storage space at Ammunition Supply Points (ASPs) and such storage is discouraged.

f. All FWA nonstandard ammunition in storage or transportation will have the Interim Hazard Classification (IHC) physically present with the nonstandard ammunition at all times.

22. The proponent for the FWA ESMP is the Garrison Safety Office, 353-7085.


SEAN C. WILLIAMS
COL, SF
Commanding

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A (FWA)