Table of Contents
1. Purpose ............................................................................................................... 3
2. Policy ................................................................................................................... 3
3. Applicability ....................................................................................................... 4
4. Roles and Responsibilities ................................................................................ 4
5. Contracting ......................................................................................................... 7
6. Master Planning .................................................................................................. 8
7. Site Planning ....................................................................................................... 9
8. Explosives Site License ................................................................................... 11
9. Facilities Conformance .................................................................................... 12
10. Facilities Maintenance .................................................................................... 12
11. Ranges ............................................................................................................. 12
12. Demilitarization/Destruction .......................................................................... 12
13. Unexploded Ordnance (UXO) ........................................................................ 13
14. Ammunition Amnesty Program ..................................................................... 14
15. Risk Management ........................................................................................... 17
16. Accident Prevention Program ....................................................................... 19
17. Emergency Response .................................................................................... 19
18. Emergency Action Plan ................................................................................ 19
19. Inspections/Evaluation/Audits ...................................................................... 19
20. Explosives Safety Issuances ......................................................................... 20
21. Records Management .................................................................................... 21
22. Nonstandard Ammunition ............................................................................. 21
23. Training ........................................................................................................... 22
24. Explosives Storage ........................................................................................ 22
25. Arms Room ..................................................................................................... 23
Appendix A, References ....................................................................................... 26
Appendix B, Glossary ........................................................................................... 27
1. PURPOSE

a. This document establishes and implements the Explosives Safety Management Program (ESMP) for United States Army Garrison (USAG) Italy. This policy complies with the requirements set forth in Department of Defense (DoD) Directive 6055.9E, DoD Instruction 6055.16, DoD Manual 6055.09–M, Army Regulation (AR) 385–10, Department of Army Pamphlet (DA Pam) 385-64, DA Pam 385-65 and AER 385-64.

b. This ESMP identifies the roles and responsibilities of all organizations with an Ammunition and Explosives (A&E) mission in USAG Italy’s Area of Responsibility (AOR) including any service components, contractors, installation and/or tenant activities.

c. It provides the policy and framework for addressing the sixteen elements (organization and staffing, site planning, facilities conformance, emergency response, tenants, master planning, ranges, contractors, accident prevention program, facility maintenance, demilitarization/destruction, risk management, explosives safety issuances, records management, inspections/evaluations/audits and training) required by the Army and DoD.

2. POLICY

a. USAG Italy’s facilities and operations involving A&E must comply with the requirements of all applicable Federal, DoD and Army Regulations, and this plan. The following minimum requirements shall govern explosives facilities and A&E operations at USAG Italy.

(1) Perform all conventional and chemical A&E Commander duties required by AR 385-10 and DA Pam 385-64.

(2) Establish and implement an ESMP.

(3) Ensure that personnel receive explosives safety training as required by Army policy and standards, and contracts include appropriate explosives safety training requirements.

(4) Conduct periodic reviews, inspections and audits to ensure compliance with the ESMP and implement risk mitigation measures.

(5) Unless prohibited by law or regulation, delegate authority to others to conduct duties as deemed appropriate.

b. It is the Garrison Commander’s policy to follow the cardinal rule of explosives safety: limit the exposure to a minimum number of personnel, for a minimum amount of time, to a minimum amount of A&E consistent with safe and efficient operations.
3. APPLICABILITY

The provisions of this ESMP is applicable to all units, activities, and tenants that have operations and activities involving the handling, storage, shipping, receiving and/or disposal of A&E.

NOTE: Throughout this ESMP, A&E will mean not only conventional ammunition but also nonstandard A&E, commercial A&E, chemical agent A&E, ordnance and explosives clean-up operations when and where appropriate.

4. ROLES AND RESPONSIBILITIES

a. Tenants/Organizations with an A&E mission in USAG Italy’s AOR will:
   
   (1) Comply with this ESMP.
   
   (2) Establish a Standard Operating Procedure (SOP) in compliance with AR 385-10, DA Pam 385–64, or service component command directive.

b. Managers/Supervisors operating an A&E mission in USAG Italy’s AOR will:

   (1) Ensure personnel receive and document explosives safety training as required by DoD, Army, and/or service component command policy and standards.

   (2) Ensure A&E contracts include appropriate explosives safety training requirements.

   (3) Every effort will be taken to remove excess, unwanted, unneeded, or unknown A&E inventory from storage. Each organization will have a surveillance program IAW AR 702-6 to ensure safety of A&E in storage.

   (4) Participate in the Installation Safety Council.

   (5) Manage and staff their organization with an Explosives Safety Representative.

   (6) Coordinate with the USAG Italy’s Garrison Safety Office in the preparation of A&E safety site plans. Obtain higher HQ or component command concurrence of A&E safety site plans prior to submitting to Garrison Safety Office for review and concurrence.

   (7) Maintain the proper fire and chemical hazard symbols of A&E present within A&E facilities and notify USAG Italy’s Fire Department and Safety Office when those hazards change, unless specifically authorized not to do so due to, for example, security concerns.

   (8) Ensure periodic inspection, testing and documentation is maintained on lightning protection systems (LPSs) on all A&E facilities IAW DA Pam 385-64.
(9) Conduct periodic inspections and/or audits of A&E activities to ensure compliance with the activity SOP and DA Pam 385–64, including compliance with the Hazards of Electromagnetic Radiation to Ordnance (HERO) requirements.

(10) Ensure SOPs are properly staffed and approved prior to starting operations, and that no deviations are allowed without proper review and final approval.

(11) Coordinate with USAG Italy Garrison Safety Office for an explosives license for every separate A&E operating and storage location within the USAG Italy AOR.

(12) In the event DoD and Army explosives safety policy cannot be met, DARADs will be approved at the appropriate level IAW DA Pam 385-30.

(13) Participate as required in A&E inspections and evaluations.

(14) Ensure A&E mishaps are properly reported, investigated, and analyzed.

(15) Ensure all operations are performed in accordance with approved Explosives Safety Site Plans (ESSPs), licenses, and DARADs.

(16) Ensure facilities approved for A&E storage and operations are used for their approved purposes.

(17) Ensure that a Deliberate Risk Assessment Worksheet (DD form 2977) or equivalent is completed prior to hazardous operations IAW ATP 5-19 and signed by appropriate authority level.

(18) Ensure that all operating personnel working with A&E are trained and certified, and familiar with ATP 4-35.1, Techniques for Munitions Handlers.

(19) Ensure all required tools and equipment are on hand and in serviceable condition for ammunition operations.

(20) Provide appropriate Personal Protective Equipment (PPE), ensure personnel are trained in its proper use, maintenance, cleaning, and personnel are using PPE where required.

c. The USAG Italy’s Explosives Safety Representative will:

(1) Serve as the POC for all ESMP-related actions and is the POC for the Garrison Safety Office.

(2) Identify requirements, assist with the preparation, coordination, and review/approve explosives licenses, A&E safety site plans, safety submissions, SOPs, and A&E safety deviations for the organization.
(3) Ensure all USAG Italy’s Potential Explosion Sites (PESs) and Exposed Sites (ESs) are covered by a DoD and Army approved A&E ESSP and are properly depicted on the Installation Master Plan.

(4) Ensure plans and 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.

(5) Ensure a safety inspection is conducted and documented at least semi-annually 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 annually.

(6) Ensure special analysis and management controls are in place for any nonstandard A&E.

(7) Monitor A&E uploads and other A&E activities that involve the transportation, storage, and operations of A&E to ensure explosives safety requirements are met.

(8) Serve as the point of contact for and coordinate ESMP requirements with commanders; and provide concurrence on tenant unit or component command SOPs.

(9) Review the USAG Italy’s Installation Master Plan for planned facilities construction on or near the USAG Italy ASA both prior to and after construction to ensure compliance with explosives safety standards.

(10) Review policies, SOPs, and directives for compliance with explosives safety requirements. Copies of SOPs will be provided to the Garrison Safety Office.

(11) Review risk assessments, DARADs, and secretarial certifications for completeness and accuracy prior to forwarding for approval and yearly thereafter.

(12) Review explosives safety licenses annually.

(13) Maintain a list of approved A&E safety deviations and brief incoming Commanders of their existence and plans for correction.

(14) Actively participate in the Master Planning process and annually review the Master Plan to ensure current and future operations Explosives Safety Quantity Distance (ESQD) arcs are appropriately drawn.

d. Employees who are involved in A&E activities will:

(1) Use the PPE and protective devices provided.
(2) Develop safe working habits by following safe practice rules and regulations in order to protect themselves and fellow workers from injury.

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

(4) Properly secure all A&E loads when transporting munitions.

(5) Stop any operation that will cause or is likely to cause death or serious injury or property damage. Immediately notify a supervisor or safety specialist for further guidance. Do not proceed with any A&E operation that cannot be performed safely.

(6) Notify supervisor of all safety deficiencies.

(7) Not engage in any operations involving A&E unless certified.

e. Contracting Officer Representatives (CORs) will:

(1) Monitor, control, and manage contractor operations involving A&E to ensure their explosives safety posture meets, or is compatible with, the Army and mission requirements of the organization.

(2) Coordinate with the Garrison Safety Office to perform periodic evaluations IAW DA PAM 385-64.

(3) If contractors are involved in a safety related incident or work related illnesses, ensure prompt reporting to the appropriate authority or chain of command. All incidents and work related illnesses must be reported immediately to the supervisor. Immediately after management/supervisory personnel notifications, notify the Garrison Safety Office and the Contracting Officer.

5. CONTRACTING

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 from the appropriate command level. 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 will require compliance with A&E safety requirements, accident reporting provisions and develop a SOP as required by DoD 6055.9, AR 385-10, DA Pam 385-64 and DoDM 4145.26M, whichever is most stringent. Use of DoDM 4145.26M in lieu of Army Safety documents/regulations will require approval by the Commanding General (AMC).

c. For operations monitored by Defense Contract Management Agency (DCMA), the DCMA safety representative will coordinate any A&E safety issues with the Army Sustainment Command (ASC) Safety Office.
6. 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 tenants and component commands use the systems specified in AR 210-20, RPMP for Army Installations, when requesting changes or additions to the RPMP. The Senior Commander, or his/her designated representative, participates in the Installation 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 MEC (RCWM) IAW DODD 6005.09M and DA Pam 385-64 chapter 19, Unexploded Ordnance (UXO) IAW DA Pam 385-64 chapter 19, or Chemical Warfare Materiel (CWM) IAW DA Pam 385-61 will be treated and handled accordingly.

c. Master Planning maintains an A&E Master Plan map showing locations of A&E operations and quantity distance arcs for USAG Italy. The maps are developed by USATCES and the Installation Master Planning department.

d. The A&E Master Plan map includes the following:

   (1) A&E hazard class and division and the Net Explosives Weight (NEW) authorized at each site.

   (2) A&E safety ‘clear zones’ required around each location based on ESQD criteria.

   (3) Primary and alternate routes for the transport of A&E through the installation.

   (4) Locations, outside of designated impact areas, authorized for the conduct of A&E operations to include on or offloading and combat aviation and ground loading.

   (5) Airfield locations designated for jettisoning or addressing hung AE and gun-clearing operations will be addressed in applicable regulatory policy.

   (6) Vehicles upload and download areas (other than at authorized firing ranges).

   (7) A&E support facilities.

   (8) Locations of real property and facilities known or suspected to contain MEC, Material Presenting a Potential Explosives Hazard (MPPEH) and areas where a munitions response (cleanup) have been completed, but residual hazards are known or suspected to be present.

   (9) Date the map was last validated.
e. The Garrison Safety Office annually documents a review of the A&E Master Plan map to monitor encroachment within ESQD and ensure required explosives safety site plans, submissions and explosives licenses are accomplished.

7. SITE PLANNING

a. All locations within the ESQD arcs of the USAG Italy A&E mission must have an approved ESSP as required by DA Pam 385-64. All future ESSPs submitted will use the automated Explosives Safety Siting (ESS) Software. The US Army Technical Center for Explosives Safety provides assistance in developing ESSPs.

b. Prior to submission, technical issues associated with the ESSP should be discussed with the USAG Italy Garrison Safety Office, the ASC Safety Office and USATCES which will expedite the ESSP approval process.

c. All ESSPs will be coordinated with the USAG Italy Garrison Safety Office and routed through the command channels and MACOM Safety Office or their designees before submission to USATCES.

d. Upon approval of an ESSP by DDESB and USATCES, the Explosives Safety Representative will insure a copy of the approved ESSP is maintained at the Garrison Safety Office and Installation Master Planning.

e. Every A&E operation will be conducted using an SOP. SOPs will comply with DA Pam 385-10 will be used as a guide for the preparation of SOPs. The SOP will reflect explosives limits authorized for safe and efficient A&E operations, but in many cases will be less but never more than the maximum permitted by ESSPs and explosives licenses.
Figure 1, Explosives Safety Site Plan Flowchart
8. EXPLOSIVES SITE LICENSE

a. All A&E facilities that store explosives must have an explosives license as required by DA Pam 385-64. A copy of the current explosives license will be posted in all A&E locations. The Garrison Safety Office issues, reviews and maintains explosives licenses.

b. Every explosives license must be reviewed annually by the Garrison Safety Office.

c. The license is a locally developed form following the guidelines established in DA PAM 385-64.

d. The explosive license form will, at a minimum, contain the following information:

   (1) The organization requesting the license.

   (2) Ammunition or explosives area location.

   (3) Site plan file number. If authorized under a DARAD, the word “DARAD” will be used until a site plan is attained.

   (4) The AE facility number.

   (5) Type of facility, i.e., Earth-Covered Magazine (ECM), Above-Ground Magazine (AGM), etc.

   (6) The Hazard Class/Division (HC/D) authorized by an approved site plan i.e., 1.1, 1.2.1, 1.3, etc.

   (7) Allowable limits of each of HC/D, expressed in pounds (lbs) NEW authorized by an approved site plan or DARAD.

   (8) Determining or limiting factor, which limits the amount of the NEW being stored.

   (9) Actual separation distance between the facility sited and the determining or limiting factor.

   (10) If “Z” storage compatibility has been authorized for the facility, the words in “Z Storage Authorized” must appear in the comment section of the explosive site license.

c. A signed copy of the explosive site license will be posted in each of the licensed facilities. The license will be posted in an area as close to the entrance of the structure as possible in a conspicuous location.
f. Original licenses will be prepared by the USAG Italy’s Explosives Safety Representative. The final approval for a license is the USAG Italy’s Garrison Commander. USAG Italy arms room and PES license signature authority is delegated to the USAG Italy Safety Director/Manager for low and medium risk.

9. FACILITIES CONFORMANCE

a. The Explosive Safety Representative is responsible to ensure facility construction meets requirements of approved ESSP in accordance with the DA Pam 385-64.

b. Tenants/Organizations/Activities within USAG Italy are responsible for ensuring periodic inspections of their A&E facilities and/or operations to ensure continued compliance with approved ESSP and other safety requirements. They are responsible for reporting facility non-conformances.

c. The USAG Italy Garrison Safety Office and DPW reviews and releases work orders pertaining to explosives safety.

d. The USAG Italy Garrison Safety Office, or their designee, has the authority to inspect any facility and/or operation at any time.

10. FACILITIES MAINTENANCE

a. Ensure periodic inspection and trend analysis are conducted on lightning protection systems. See DA Pam 385-64 for guidance.

b. Use the work order process through DPW for facility maintenance to be performed by Installation personnel/contractor.

11. RANGES

a. USAG Italy does not own or operate ranges.

b. Ranges are owned and operated by 7th Army Training Command, Regional Training Support Division South (RTSD).

12. DEMILITARIZATION/DESTRUCTION

a. Demilitarization or destruction of ammunition, explosives and propellants is not a USAG Italy mission.

b. Condition Code H material is warehoused until shipping/disposition instructions are received from JMC.

c. If Explosives Ordnance Disposal (EOD) support is required, contact USAG Italy MPs.
13. UNEXPLODED ORDNANCE (UXO)

a. UXO is considered the most dangerous category of military munitions. There are no safe procedures for moving, rendering safe or destroying UXO, but merely procedures considered less dangerous. Destruction-in-place (referred to as either blow-in-place or BIP) is the least dangerous and is the preferred method of UXO destruction.

b. With the exception of Explosive Ordnance Disposal (EOD), no other personnel will attempt to excavate, touch, move, render safe or dispose of any suspected ammunition item.

c. When a suspected UXO is discovered, it should be immediately reported to the MP’s and the Garrison Office. UXO response and reporting procedures are outlined in section 13d.

d. UXO Response Procedures:

(1) Notification: In the event that any UXO is located, during or after work hours, follow the “3Rs” response process: Recognize, Retreat, and Report.

(2) Recognize that you may have found something in the form of Munitions and Explosives of Concern (MEC). Remember the general location the UXO was found.

(3) Retreat once you have discovered the UXO. Do not touch, move or disturb the UXO and carefully leave the area, but do not run. The recommended initial withdrawal distance is 2500 feet.

(4) Report the UXO once you are at a safe distance. Notify the authorities and provide a geographic reference such as the nearest intersection or facility number. Provide a brief description of the item, whether the area is secure, and contact information.

(5) Notify the MPs who will in-turn notify EOD and Garrison Safety. DPTMS Watch Desk will be notified if an CCIR or SIR is required.

(6) Military police will respond to the location and assess the situation, responding to any injuries appropriately, and controlling the scene until EOD arrives.

e. Awareness Training. UXO awareness training is required for all workers performing excavation, demolition, or any other activities that require disturbing the ground.
14. AMMUNITION AMNESTY PROGRAM

a. Purpose: The Ammunition and Explosives (A&E) Amnesty Program is intended to ensure maximum recovery of military A&E items outside the supply system. It is not intended to circumvent normal tum-in procedures. This amnesty program must be conducted on a no-questions-asked basis to provide an opportunity for individuals to return items without fear of reprisal or prosecution.

b. Applicability: This Policy Memorandum applies to all units assigned, attached, or tenants within USAG Italy.

c. General:

(1) USAG Italy will establish and maintain amnesty containers to support the Installation A&E Amnesty Program in support of assigned and tenant units or activities. Three amnesty containers are located throughout Caserma Ederle/Del Din/Longare to support the Installation Amnesty Program. Containers are placed at the following locations:

   (a) Caserma Ederle, outside the gate of Building 440 motor pool, North Forty Annex.

   (b) Caserma Ederle, adjacent to the Multi-purpose Indoor Range (MIR) Complex, Building 369.

   (c) Caserma Del Din, North Perimeter Loop, near motor pool #3.

   (d) Longare, adjacent to 207th MIB motorpool, Building 23

(2) Amnesty containers located on Caserma Ederle, Del Din and Longare will only accept .50 caliber and smaller ball ammunition.

(3) Amnesty containers will be clearly marked with the responsible party information. Amnesty collection containers will be checked and cleared regularly and as necessary to prevent excessive accumulation of explosives to reduce the risk to personnel. Removal and transport of items will be coordinated between QASAS, Movement Control South, Carabinieri, and the Garrison Safety Office. The first available unit conducting an ammunition draw or turn-in will assist with Amnesty turn-in. Under special conditions when determined by the QASAS or emergency personnel that ammunition(s) within the container is incompatible, or creates an extreme hazard then transportation will be performed by emergency vehicles under emergency provision provided within the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR). QASAS and ASA personnel will assist in the removal of items as tasked by the USAG Italy Directorate of Plans, Training, Mobilization and Security (DPTMS). All units that conduct ammunition operations at ASA #7 (located in Arcugnano) are responsible for supporting the amnesty program.
(4) Unidentifiable ammunition or explosives except for small arms type ammunition will be considered dangerous. When dangerous ammunitions or explosives are discovered personnel will contact the Military Police (MP) Desk at 118, or QASAS at DSN: 634-6867. If items are suspected or determined to be unsafe after inspection by qualified personnel then EOD will be notified through the MP Desk and Carabinieri. DPTMS Watch Desk will be notified if situation a CCIR

(5) Personnel assigned the duty to inspect or turn-in A&E must be trained on the proper identification and handling of munitions. MP Desk personnel will be knowledgeable of the amnesty program and advise callers of what to do with A&E found on or off post.

d. Responsibilities:

(1) Unit Commanders:

(a) Each unit that uses ammunition and explosives is required to implement a supplement program that supports the Installation’s amnesty program. Commanders will brief all personnel on the details of this amnesty policy prior to each training event or exercise that requires the use of ammunition or explosives to include the location of the nearest amnesty-collection container.

(b) Develop a standard operating procedures (SOP) that establishes procedures for the amnesty collection and turn-in at local and major training areas, inspection and disposal of munitions and explosives, and training of personnel responsible for removing and transporting amnesty ammunitions and explosives.

(c) Provide temporary amnesty-collection containers in support of weapons qualification ranges and all training events involving ammunition and explosives. Conduct brass and ammunition checks prior to departing training facilities involving the use of ammunitions.

(d) Ensure properly trained personnel are available to evaluate ammunition and explosives prior to movement for turn-in from training locations.

(e) Ensure that ammunition and explosive residue generated during training exercises is turned in properly and not deposited in installation amnesty containers or turned-in to ASA #7 under the amnesty program. Standard turn-in procedures and accountability must be followed for ammunition and explosive residue from range training events.

(2) USAG Italy Safety Office:

(a) Promote the Amnesty Program through all available media sources. These sources include local Armed Forced Network (AFN) Radio/Television, Outlook
newspaper, and e-mail distribution. Information will include amnesty program intent, procedures for reporting and disposing of A&E found on or off post, and locations of amnesty containers.

(b) Approve locations and design of amnesty-collection containers in coordination with the Provost Marshall’s Office and QASAS.

(3) ASA #7 QASAS:

(a) Inspect and prepare for turn-in of ammunition.

(b) Accept ammunition turned-in under the provisions of the A&E Amnesty Program. Individuals turning in A&E as part of the amnesty program will not be required to have a turn-in document. Units tasked to turn-in Amnesty ammunition under normal conditions will be provided transportation documents by ASA QASAS.

(c) Submit reports to the Garrison Safety Office indicating the quantity and description of A&E turn-ins under the amnesty program when requested.

(d) QASAS will determine the serviceability of the ammunition and take appropriate action for disposition (in accordance with regulatory requirements).

e. Amnesty-collection containers:

(1) Amnesty-collection containers are placed as indicated in paragraph 14c (1). Containers will be accessible 24 hours a day.

(2) Amnesty containers are positioned to ensure proper quantity-distances and fire safety. For safety reasons, amnesty containers in populated areas (next to inhabited buildings) are designed with an opening no larger than necessary to accept .50 caliber ammunition.

(3) Amnesty containers are designed to prevent extraction through the deposit opening. Amnesty containers will be secured to prevent unauthorized movement.

f. Explosive items found outside the Installation must be reported to the MPs.
15. RISK MANAGEMENT

a. When DoD and Army explosives safety regulations and policies cannot be met, the procedures set forth in DA Pam 385-30 will be followed. Other Government Agencies (OGAs) and Non-Government Organizations (NGOs) operating on USAG Italy will specify an equivalent risk acceptance process in their SOP.

b. DARAD approval authority will be IAW Army requirements specified in DA Pam 385-30. Submit all deviations from DoD and Army regulations requiring a DARAD to the Garrison Safety Office for review. Copies of approved DARADs will be submitted to USATCES as well as copies of reviews conducted on approved DARADs.

c. The DoD and Army recognize in the referenced regulations that explosives safety deviations may be necessary at times, and when required must be documented and managed with appropriate risk management processes.

d. Arms Room risk assessments will be accomplished using the spreadsheet in Figure 15-2 and signed by the unit commander.

**Figure 15-1**

<table>
<thead>
<tr>
<th>Category of Risk</th>
<th>Duration of Risk</th>
<th>Event Waiver</th>
<th>Waiver</th>
<th>Exemption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely High (EH)</td>
<td>&lt;1 month</td>
<td>1-12 month(s)</td>
<td>1-5 years</td>
<td>&gt;5 years/permanent</td>
</tr>
<tr>
<td>High (H)</td>
<td>IMCOM-E SES</td>
<td>IMCOM CG</td>
<td>Army HG CG</td>
<td>Army HG CG</td>
</tr>
<tr>
<td>Medium (M)</td>
<td>O-5/GS-13/equiv</td>
<td>GC/DGC/DGM</td>
<td>IMCOM-E SES</td>
<td>IMCOM-E SES</td>
</tr>
<tr>
<td>Low (L)</td>
<td>O-3/GS-12/equiv</td>
<td>O-5/GS-13/equiv</td>
<td>GC</td>
<td>GC</td>
</tr>
</tbody>
</table>

**Figure 15-2**

<table>
<thead>
<tr>
<th>Residual Risk</th>
<th>Arms Room Risk Assessment (RA) Signature/Approval Level</th>
<th>Arms Room License Signature/Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely High (EH)</td>
<td>GO/SRO</td>
<td>SRO</td>
</tr>
<tr>
<td>High (H)</td>
<td>Unit O-6</td>
<td>GC</td>
</tr>
<tr>
<td>Medium (M)</td>
<td>Unit O-5/GS-13/equiv</td>
<td>USAG Italy Safety Director</td>
</tr>
<tr>
<td>Low (L)</td>
<td>Unit O-3/GS-12/equiv</td>
<td>USAG Italy Safety Director</td>
</tr>
</tbody>
</table>
Figure 15-3, Deviation Approval and Risk Acceptance Document (DARAD) Flowchart
16. ACCIDENT PREVENTION PROGRAM
   a. Explosives safety as an integral part of USAG Italy’s overall accident prevention plan.
   b. The accident prevention plan will be tailored to the operation being conducted and will address the program elements required in AR 385-10, Table 1-1 and DA Pam 385-10 as a minimum.
   c. A copy of the accident prevention plan is provided to the Garrison Safety Office.

17. EMERGENCY RESPONSE
   a. USAG Italy Fire and Emergency Services (FES) conducts annual fire prevention inspections in A&E facilities and has the authority to inspect any facility at any time. A digital copy of that annual inspection will be provided to the Garrison Safety Office.
   b. All organizations with an A&E mission within the USAG Italy will maintain the proper fire and chemical hazard symbols of explosives present within the facility. In addition, the Garrison Safety Office and the Fire Department will be notified when those hazards change.
   c. In the event of an explosives accident, the Senior Fire Officer will be the Incident Commander in charge of the emergency response until the scene is declared safe.
   d. When notified by Department of the Army Safety, the incident scene will be turned over to the Accident Board appointed investigation team. The appointed Accident Investigation Board (AIB) will control the site after completion of emergency response actions.
   e. Any release of information will go through the Public Affairs Office (PAO).

18. EMERGENCY ACTION PLAN
   a. All organizations with an A&E mission within USAG Italy will have an emergency action plan (EAP) that complies with the requirements of the 29 CFR 1910.
   b. Personnel working within USAG Italy will follow the USAG Italy Installation EAP.

19. INSPECTIONS/EVALUATIONS/AUDITS
   a. All organizations with an A&E mission on USAG Italy will conduct and document periodic internal (at least annual) inspections and/or audits of A&E activities (e.g. A&E storage, packing, handling, surveillance, maintenance, demilitarization, and disposal activities) to ensure compliance with DoD and Army A&E policies. Inspection findings shall be documented and followed-up to ensure implementation and effectiveness of
corrective measures. At a minimum, inspections shall address the elements required by DA Pam 385-64, paragraph 1-9.

b. The Explosives Safety Representative 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, DDESB survey or program evaluation) will be incorporated into action plans, lessons learned and will be tracked to remediate inspection deficiencies.

d. Inspection records will be made available for review during all external program evaluations/audits.

e. Organizations with an A&E mission within USAG Italy shall conduct periodic surveys of A&E transportation activities to evaluate implementation of A&E transportation safety requirements. At a minimum, A&E transportation inspections shall address the elements required by DA Pam 385-64, paragraph 1-10.

20. EXPLOSIVES SAFETY ISSUANCES

a. ESMP issuances consist of, but are not be limited to, local policies (SOPs), ARs, pamphlets and other publications. All organizations with an A&E mission within USAG Italy will have a safety policy and SOPs which include A&E safety management.

b. All organizations with an A&E mission will review SOPs on a bi-annual basis. The originating organization will obtain appropriate professional safety support for review and concurrence of hazard analysis and SOPs.

c. All 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 organizations with an A&E mission will be aware of and take precautions with any HERO unsafe munitions. If a HERO unsafe munition is located within the ASA facilities or if a munition will be rendered HERO unsafe, the Garrison Safety Office will be notified.
21. RECORDS MANAGEMENT

a. All organizations with an A&E mission will maintain records as required by ARs. Records will be made available for review during external program reviews/audits.

b. Lightning Protection System (LPS) test and inspection records for the past six inspections cycles will be maintained by the USAG Italy Garrison Safety Office. DPW will forward copies of inspections to QASAS and GSO upon completion.

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

d. Arms room risk assessments and licenses are found on the USAG Italy shared drive and with the owning unit.

e. Explosive Safety Site Plans (ESSPs) are maintained at USATCES. Supporting documentation is maintained on the USAG Italy shared drive.

f. DARADs, waivers and exemptions are maintained by the unit, USAG Italy, USAREUR Explosives Safety Manager, and USATCES.

22. 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 at the ASA shall be kept to the minimum in support of approved and funded programs.

c. 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.

d. All nonstandard ammunition requires a DoD, Hazard Division, and Compatibility Group assignment. All nonstandard ammunition that is 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.

e. DOD titled nonstandard ammunition in storage or transportation will have the Interim Hazard Classification (IHC) physically present with the ammunition at all times.
23. TRAINING

a. For all organizations with an A&E mission within USAG Italy operating under DoD 4145.26M, DoD Contractor’s Safety Manual for Ammunition and Explosives, training of personnel will be IAW C3.3.3. Personnel shall receive appropriate training before performing work that involves exposure to A&E. The training shall include specific safety and health hazards, emergency procedures including shutdown and safe work practices applicable to the employee’s job tasks. The contractor shall ensure that each employee involved in an A&E process has received and understood the training and receives appropriate refresher training. The contractor shall prepare a record that contains the identity of the employee, the date of training and the means used to verify that the employee understood the training. Organizations are responsible for ensuring subcontractors supporting their A&E operations receive appropriate A&E training to meet contractual requirements.

b. All A&E personnel operating under Army Regulations within USAG Italy will be trained IAW DA Pam 385-64, Figure 1-1. Personnel responsible for the development and review of deviations and risk assessments will be trained in explosives risk management.

c. DA Pam 385-64, Paragraph 1-8.c, authorizes local courses providing the same degree and level of training to be substituted for Figure 1-1 courses, however, any substitution must be approved by the ASC Safety Director IAW DA Pam 385-64.

24. EXPLOSIVES STORAGE

a. Mixed or “Z” compatibility storage will follow the guidance outlined in DA PAM 385-64 and ATP 4-35.1. Mixed storage will not be for convenience and will only be granted on a temporary basis not to exceed 364 days.

b. Storage of A&E within the ASA will be IAW AR 385-10, DA PAM 385-64, and this ESMP. A&E shall only be stored in buildings that have been approved for this purpose and have posted storage limits.

(1) Supervisors are responsible for ensuring that all storage requirements are met.

(2) When conditions are such that storage requirements cannot be maintained IAW approved explosives limits, the Garrison Safety Office will be made aware of the situation immediately.

c. All facilities containing explosives and ammunition shall be kept clean and orderly, with proper aisle clearance maintained at all times.
d. Quality Assurance Specialists – Ammunition Surveillance (QASAS) are available to provide technical assistance on ammunition and explosives operations. They will also inspect all facilities on an annual basis.

25. Arms Rooms

DA Pam 385-64 discourages but allows the storage of limited amounts of hazard division (HD) 1.2.2, HD 1.3, and HD 1.4 in arms rooms, hangers, and operations buildings without regard to explosives quantity-distance (QD) requirements if operational necessity requires this storage.

NOTE: The qualifier operational necessity is intended to provide commanders the flexibility to accomplish their missions and training requirements without wasting resources. It is not intended to permit the storage of ammunition in or near inhabited buildings for convenience.

a. Ammunition Storage. Storage areas in ammunition holding areas (AHAs) and at ammunition support activities (ASAs) will be used to store ammunition unless this storage would adversely affect operations or require an unusual commitment of resources (for example, require unit personnel to provide 24-hour security). Locations that have facilities authorized for storing A&E are considered ammunition-storage facilities.

b. Permitted Quantities. A maximum net explosive weight (NEW) of 50 pounds of HD 1.2.2 may be stored, but fragment barriers must be provided. The minimum acceptable fragment barriers consist of ¼-inch mild steel plate or sandbags. Up to 100 pounds of HD 1.3 and unlimited amounts of HD 1.4 are permitted without using fragment barriers.

c. Risk Assessments. Before storing ammunition in an arms room, units will conduct a risk assessment of potential storage sites using the form provided by the Garrison Safety Office to justify the storage based on operational necessity and safety considerations. The unit commander will approve (if appropriate), sign, and send the assessment to the Garrison Safety Office.

(1) When evaluating the assessment, the unit commander will consider the need to expose the fewest people to the least amount of explosives for the shortest time possible.

(2) Units must coordinate with Garrison FES, Physical Security, DPW, QASAS, and the Garrison Safety Office prior to receiving a license.

(3) The Garrison Safety Office will keep the risk assessment on file. A copy of the risk assessment will be posted in the arms room. All arms-room personnel will be briefed on the risk assessment and will reviewed at least once a year. This annual review must be documented.
(4) The unit commander will ensure that—

(a) Facilities used to store ammunition are properly licensed. The armory ammunition storage license must specify the location approved for storage, the amount of ammunition by Department of Defense identification code (DODIC) approved for storage, the time restrictions on storage, and safety, security, and fire-protection requirements. The license must be signed by the Garrison Safety Manager.

(b) A&E items are stored in their original container with original packaging. Armory rooms that support guard forces or military police may have one outer pack of each caliber of small arms ammunition (SAA) open for use.

(c) Munitions are stored according to storage-compatibility requirements. Training ammunition must be physically separated from operational-readiness ammunition.

(d) Storage is consistent with the safety requirements of DOD 6055.9-STD and the security requirements of AR 190-11. Ammunition will be stored under the same criteria as it would be in an approved ammunition-storage facility.

(e) The appropriate fire and chemical-hazard symbols are properly posted.

d. Time Limits. The following criteria define how long training ammunition may be kept in a unit armory:

(1) Units that are located less than 3 hours from an approved ammunition-storage facility (for example, AHA, ASA) may store limited amounts of HD 1.2.2, HD 1.3, and HD 1.4 munitions for up to 4 workdays plus the number of training days (for example, if training will be conducted for 5 days, ammunition may be stored for up to 9 workdays (2 workdays before and 2 workdays after the training).)

(2) Units that are located more than 3 hours from an approved ammunition-storage facility may, when required, store limited amounts (the amount required to support their training needs) of HD 1.2.2, HD 1.3, and HD 1.4 munitions for up to 8 workdays plus the number of training days (for example, if training will be conducted for 5 days, ammunition may be stored for up to 13 workdays (4 workdays before and 4 workdays after the training).)

e. Fire Protection. Fire protection for ammunition in inhabited buildings will be managed as follows:

(1) Appropriate fire and chemical-hazard symbols will be posted on the doors of ammunition storage areas. Procedures will be established to ensure that the fire symbol shows the highest HD of ammunition stored and that chemical-hazard symbols are displayed if required. These symbols must be removed or covered when
ammunition is not present.

(2) At least two class-10BC fire extinguishers will be available for immediate use when A&E items are being handled. Each fire extinguisher will be:

(a) Kept in a fully charged, operable condition.

(b) Placed in a conspicuous and readily accessible location.

(3) Small amounts of flammable or combustible liquids necessary for weapons cleaning and maintenance may be stored in approved storage containers placed at the maximum distance possible from the ammunition.

f. Ceremonial Ammunition. The storage of ceremonial ammunition is not considered an operational necessity, but a limited amount of HD 1.3 and HD 1.4 ceremonial ammunition (for example, 75 millimeter (mm) blank, 105 mm blank) may be stored in an arms room if no other practical storage means exists. The amount of HD 1.3 and HD 1.4 stored will not be more than 100 pounds NEW or three full outer packs of ammunition. All outer packs will remain closed and, if possible, secured with their original seals. Ceremonial ammunition will be physically separated from training and operational ammunition.

26. The POC for the ESMP is the USAG Italy Safety Office at DSN 314-637-8900 or email at usarmy.usag-italy.imcom-europe.mbx.usag-italy-safety-office@mail.mil.
References

AR 385-10 – The Army Safety Program (24 Feb 2017)
AR 702-6 – Ammunition Stockpile Reliability Program (2 Dec 2016)
ATP 4-35.1 – Techniques for Munitions Handlers (8 Nov 2016)
ATP 5-19 – Risk Management (4 Apr 2014)
DA PAM 385-10 – Army Safety Program (RAR 19 Jan 2010)
DA PAM 385-30 – Risk Management (2 Dec 2014)
DA PAM 385-40 - Army Accident Investigations and Reporting (18 Mar 2015)
DA PAM 385-64 – Ammunition & Explosives Safety Standards (RAR 10 Oct 2013)
AER 385-64 – Explosives Safety (17 Nov 2006)
DoD 4145.26-M – Contractor’s Safety Manual for Ammunition & Explosives (13 Mar 2008)
DoD 6055.9-M – DoD Ammunition & Explosives Safety Standards (12 Mar 2012)
### Glossary

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAR</td>
<td>After Action Review</td>
</tr>
<tr>
<td>AIB</td>
<td>Accident Investigation Board</td>
</tr>
<tr>
<td>AOR</td>
<td>Area of Operations</td>
</tr>
<tr>
<td>AR</td>
<td>Army Regulation</td>
</tr>
<tr>
<td>ASA</td>
<td>Ammunition Support Activity</td>
</tr>
<tr>
<td>A&amp;E</td>
<td>Ammunition &amp; Explosive(s)</td>
</tr>
<tr>
<td>BIP</td>
<td>Blow-in-Place (in reference to UXO)</td>
</tr>
<tr>
<td>CCR</td>
<td>Certificate of Compelling Reason</td>
</tr>
<tr>
<td>COR</td>
<td>Contracting Officer Representative</td>
</tr>
<tr>
<td>DA Pam</td>
<td>Department of the Army Pamphlet</td>
</tr>
<tr>
<td>DARAD</td>
<td>Deviation Approval and Risk Assessment Document</td>
</tr>
<tr>
<td>DCDR-S</td>
<td>Deputy Commander - Support</td>
</tr>
<tr>
<td>DCMA</td>
<td>Defense Contract Management Agency</td>
</tr>
<tr>
<td>DDESFB</td>
<td>Department of Defense Explosives Safety Board</td>
</tr>
<tr>
<td>DES</td>
<td>Directorate of Emergency Services</td>
</tr>
<tr>
<td>DFARS</td>
<td>Defense Acquisition Regulations System</td>
</tr>
<tr>
<td>DoD</td>
<td>Department of Defense</td>
</tr>
<tr>
<td>DPTMS</td>
<td>Directorate of Plans Training Mobilization and Security</td>
</tr>
<tr>
<td>DPW</td>
<td>Directorate of Public Works</td>
</tr>
<tr>
<td>ECM</td>
<td>Earth Covered Magazine</td>
</tr>
<tr>
<td>EOD</td>
<td>Explosive Ordnance Disposal</td>
</tr>
<tr>
<td>ES</td>
<td>Exposed Site</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Full Form</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>ESC</td>
<td>Explosive Safety Council</td>
</tr>
<tr>
<td>ESMP</td>
<td>Explosive Safety Management Program</td>
</tr>
<tr>
<td>ESQD</td>
<td>Explosive Safety Quantity Distance</td>
</tr>
<tr>
<td>ESS</td>
<td>Explosive Safety Siting</td>
</tr>
<tr>
<td>ESSP</td>
<td>Explosive Safety Site Plans</td>
</tr>
<tr>
<td>ESWG</td>
<td>Explosives Safety Working Group</td>
</tr>
<tr>
<td>HC/D</td>
<td>Hazard Class/Division</td>
</tr>
<tr>
<td>HERO</td>
<td>Hazards of Electromagnetic Radiation on Ordnance</td>
</tr>
<tr>
<td>IAW</td>
<td>In Accordance With</td>
</tr>
<tr>
<td>MEC</td>
<td>Munitions and Explosives of Concern</td>
</tr>
<tr>
<td>MHE</td>
<td>Material Handling Equipment</td>
</tr>
<tr>
<td>NEW</td>
<td>Net Explosive Weight</td>
</tr>
<tr>
<td>NGO</td>
<td>Non-Government Organizations</td>
</tr>
<tr>
<td>OGA</td>
<td>Other Government Agency</td>
</tr>
<tr>
<td>PAO</td>
<td>Public Affairs Office</td>
</tr>
<tr>
<td>PES</td>
<td>Potential Explosion Site</td>
</tr>
<tr>
<td>POC</td>
<td>Point of Contact</td>
</tr>
<tr>
<td>PPE</td>
<td>Personal Protective Equipment</td>
</tr>
<tr>
<td>OB/OD</td>
<td>Open Burning/Open Detonation</td>
</tr>
<tr>
<td>QASAS</td>
<td>Quality Assurance Specialists Ammunition Surveillance</td>
</tr>
<tr>
<td>QD</td>
<td>Quantity Distance</td>
</tr>
<tr>
<td>RPMP</td>
<td>Real Property Master Planning</td>
</tr>
<tr>
<td>RPPB</td>
<td>Real Property Planning Board</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Full Form</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------</td>
</tr>
<tr>
<td>SDZ</td>
<td>Surface Danger Zones</td>
</tr>
<tr>
<td>SOP</td>
<td>Standing Operating Procedure</td>
</tr>
<tr>
<td>USATCSES</td>
<td>United States Army Technical Center for Explosives Safety</td>
</tr>
<tr>
<td>UXO</td>
<td>Unexploded Ordnance</td>
</tr>
</tbody>
</table>