



401st Army Field Support Brigade

Bagram Air Field, Afghanistan



RPAT YARD SCREENERS' GUIDE TO AMMUNITION & EXPLOSIVES





General Safety Precautions

- **WHEN IN DOUBT DO NOT TOUCH AMMUNITION ITEM CONTACT SERVICING EOD UNIT OR QASAS PERSONNEL FOR ASSISTANCE. REMEMBER - THE THREE R's: **RECOGNIZE, RETREAT, REPORT****
- Before beginning each new operation, personnel should be thoroughly briefed on the proper handling of ammunition, including simulators, signal devices, smoke devices and other pyrotechnics. These items are safe to handle as long as proper consideration is given to the characteristics of each type of item, how it is assembled, the operation, and normal safety precautions.
- Safety must be observed at all times when handling ammunition. Loading and off loading military vehicles with ammunition can become a hazard if not performed with proper supervision. Ammunition will not be thrown, dragged, tumbled, dropped, rolled, walked on or mishandled in any way.
- Handle complete rounds, particularly rounds with fuzes, with care at all times. Explosive elements in fuzes and primers are particularly sensitive to shock and high temperature.
- Do not disassemble ammunition components, such as fuzes and primers.



General Safety Precautions

- **No smoking is allowed within 50 feet of any ammunition.**
- Smoking is only allowed in approved designated smoking areas. All matches, other flame producing items, and heat or spark producing items are strictly prohibited. Approved smoking area will be established and clearly marked.
- All fires starting in the vicinity of ammunition or explosives shall be reported and fought immediately with all available means and without awaiting specific instructions. If the fire is so large that it cannot be extinguished with the equipment at hand, the personnel involved shall evacuate and seek safety.
- TM9-1300-200, Ammunition, General, is a ready reference on ammunition and can be used as a guide to the types of ammunition available within the Army.
- There are many other sources of ammunition safety available in theater. One of these is the roles and responsibilities of the QASAS. QASAS play a vital role in the day to day handling, transportation and storage of ammunition. Contact QASAS personnel in your area by calling: _____ . If you location does not have a QASAS or you cannot contact a QASAS: call DSN 312-864-5769 or DSN 318-481-4474 for assistance.



Small Arms Ammunition Up To and Including .50 cal



General Safety Precautions:

1. Small-arms ammunition is comparatively safe to handle.
2. Safety must be observed at all times when handling ammunition. Loading and off loading military vehicles with ammunition can become a hazard if not performed with proper supervision. Ammunition will not be thrown, dragged, tumbled, dropped, rolled, walked on or mishandled in any way.
3. Do not strike primer in any way



Grenades

General Safety Precautions:

1. Grenades are considered extremely hazardous and will not be handled or moved by unauthorized personnel who have not been formally trained on handling ammunition.
2. Safety must be observed at all times when handling ammunition. Loading and off loading military vehicles with ammunition can become a hazard if not performed with proper supervision. Ammunition will not be thrown, dragged, tumbled, dropped, rolled, walked on or mishandled in any way.



Normal condition.
No damage
Safety pin in place.

SAFE TO HANDLE!!

Determine Condition (Recognize):

1. Determine it is Ammunition or Explosives and its condition.
2. Safety Pin is in place and intact and does not contain tape on pin.
3. No physical damage or signs of modification.

Determine Disposition (Retreat):

1. **DO NOT** handle if damage or modification is suspected.
2. If safe to handle, place in collection location (Safe Area) until QASAS personnel arrive.

Call QASAS or EOD (Report):

1. Call QASAS personnel for assistance as necessary.
2. Call EOD for emergency situations.



Caution

Modified and taped.

NOT SAFE TO HANDLE!!



40mm Cartridges



General Safety Precautions:

1. 40mm Cartridges are considered hazardous and will not be handled or moved by unauthorized personnel who have not been formally trained on handling ammunition.
2. Safety must be observed at all times when handling ammunition. Loading and off loading military vehicles with ammunition can become a hazard if not performed with proper supervision. Ammunition will not be thrown, dragged, tumbled, dropped, rolled, walked on or mishandled in any way.

Determine Condition ([Recognize](#)):

1. Determine it is Ammunition or Explosives and its condition.
2. Cover the primer and do not strike primer in any way.
3. No physical damage or signs of modification.

Determine Disposition ([Retreat](#)):

1. **DO NOT** handle if damage or modification is suspected.
2. If safe to handle, place in collection location (Safe Area) until QASAS personnel arrive.

Call QASAS or EOD ([Report](#)):

1. Call QASAS personnel for assistance as necessary.
2. Call EOD for emergency situations.



Mortars



General Safety Precautions:

1. Mortar cartridges are considered extremely hazardous and will not be handled or moved by unauthorized personnel who have not been formally trained on handling ammunition.
2. Safety must be observed at all times when handling ammunition. Loading and off loading military vehicles with ammunition can become a hazard if not performed with proper supervision. Ammunition will not be thrown, dragged, tumbled, dropped, rolled, walked on or mishandled in any way.

Determine Condition (Recognize):

1. Determine it is Ammunition or Explosives and its condition.
2. **Issues:**
 - a. Propellant charges, if present, are wrapped around the tail fin assembly. Make sure charges are not torn or ripped and leaking propellant.

Caution

If propellant is exposed/leaking call EOD

- b. Cover primer and do not strike primer in any way.
 - c. Assure safety devices are present in fuze. Do not strike or modify the fuze in any way.
3. No physical damage or signs of modification.

Determine Disposition (Retreat):

1. **DO NOT** handle if damage or modification is suspected.
2. If safe to handle, place in collection location (Safe Area) until QASAS personnel arrive.

Call QASAS or EOD (Report):

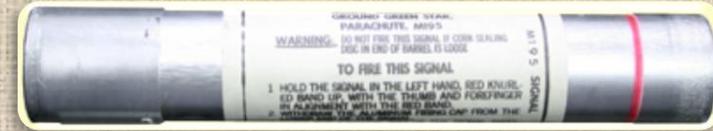
1. Call QASAS personnel for assistance as necessary.
2. Call EOD for emergency situations.



Pyrotechnics and Simulators

General Safety Precautions:

1. Pyrotechnics are considered extremely hazardous and will not be handled or moved by unauthorized personnel who have not been formally trained on handling ammunition.
2. Safety must be observed at all times when handling ammunition. Loading and off loading military vehicles with ammunition can become a hazard if not performed with proper supervision. Ammunition will not be thrown, dragged, tumbled, dropped, rolled, walked on or mishandled in any way.



Determine Condition (Recognize):

1. Determine it is Ammunition or Explosives and its condition.
2. Issues:
 - a. Some of these munitions have cardboard containing the explosives. Make sure devices are not torn or ripped and leaking explosives.

Caution If explosives are exposed/leaking call EOD

- b. Cover primer and do not strike primer in any way.
 - c. Assure safety devices are present.
3. No physical damage or signs of modification.

Determine Disposition (Retreat):

1. **DO NOT** handle if damage or modification is suspected.
2. If safe to handle, place in collection location (Safe Area) until QASAS personnel arrive.

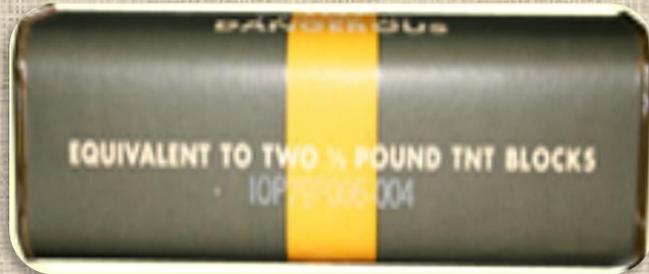
Call QASAS or EOD (Report):

1. Call QASAS personnel for assistance as necessary.
2. Call EOD for emergency situations.





Demolition Materials



General Safety Precautions:

1. Demolition materials are considered extremely hazardous and will not be handled or moved by unauthorized personnel who have not been formally trained on handling ammunition.
2. Safety must be observed at all times when handling ammunition. Loading and off loading military vehicles with ammunition can become a hazard if not performed with proper supervision. Ammunition will not be thrown, dragged, tumbled, dropped, rolled, walked on or mishandled in any way.

Caution

3. Loose detonators, initiators, squibs, electrically activated devices, blasting caps, etc., will not be carried in pockets or clothing, tool kits, or any other personal item. Suitable containers will be used to provide adequate protection.

Determine Condition (Recognize):

1. Determine it is Ammunition or Explosives and its condition.
2. Issues:

Caution

- a. **DO NOT HANDLE BLASTING CAPS OR INITIATORS – NOTIFY EOD IMMEDIATELY**
 - b. Assure explosives are not exuding from munition. **DO NOT HANDLE MUNITIONS WITH EXUDING EXPLOSIVES – NOTIFY EOD IMMEDIATELY**
3. No physical damage or signs of modification.

Determine Disposition (Retreat):

1. **DO NOT** handle if damage or modification is suspected.
2. If safe to handle, place in collection location (Safe Area) until QASAS personnel arrive.

Call QASAS or EOD (Report):

1. Call QASAS personnel for assistance as necessary.
2. Call EOD for emergency situations.



Mines



General Safety Precautions:

1. Claymore mines are considered hazardous and will not be handled or moved by unauthorized personnel who have not been formally trained on handling ammunition.
2. Safety must be observed at all times when handling ammunition. Loading and off loading military vehicles with ammunition can become a hazard if not performed with proper supervision. Ammunition will not be thrown, dragged, tumbled, dropped, rolled, walked on or mishandled in any way.



Determine Condition (Recognize):

1. Determine it is Ammunition or Explosives and its condition.
2. Issues:
 - a. **Assure that blasting cap is NOT inserted in fuze well of the mine.**

Caution If blasting cap is present call EOD immediately

- b. Assure mine body is whole w/no cracks.

Caution If body is cracked with exposed explosives contact EOD immediately

3. No physical damage or signs of modification.

Determine Disposition (Retreat):

1. **DO NOT** handle if damage or modification is suspected.
2. If safe to handle, place in collection location (Safe Area) until QASAS personnel arrive.

Call QASAS or EOD (Report):

1. Call QASAS personnel for assistance as necessary.
2. Call EOD for emergency situations.



Extremely Hazardous – Modified Mine



Contact Numbers



LOCATION	EOD		QASAS	
	DSN	Roshan Cell	DSN	Roshan Cell
Bagram	318-447-2469/2470	079-803-8837	318-481-8201	079-534-1883
Jalalabad	318-831-6169/6119		318-831-7102	079-586-2345
Salerno	318-851-5112		318-851-5317	079-618-2096
Sharana	318-425-4329		318-425-4453	077-076-3162
Shank	318-431-2086		312-864-5641	079-956-9207
Marmal	318-237-6235	079-196-0543		079-795-5915
Kandahar	318-421-5882		318-420-4153	079-025-9002
Pasab			312-864-6011	079-586-3454
Shindand	318-251-6446	079-635-0458	318-458-0395	079-957-6033
Bastion			318-420-4153	079-586-3454



Ammunition Inspection SOP for Rolling Stock



Inspection Team Sterilization Process



DLA - DS Process

(Equipment comes Cannibalized)

- Any remaining seats and brackets are removed
- Remove floor panel
- Remove side armor panel
- Remove dash panel



Retrograde Process

- Remove any seats and brackets, replace when inspected
- Remove radio mounts, replace when inspected
- Remove floor mats and batteries, replace when inspected

Way Forward

- Create a permanent Inspection team to continue inspection process
- Implement 1st inspection of vehicles after receiving equipment through the RPAT PAD
- Do a 2nd inspection before it leaves for wash rack
- Final inspection is done by certified customs inspectors
- Developed inspection guide/SOP based on inspection team's lessons learned
- Work with RFAST-C to develop special search tools.



RPAT Inspection Process



All vehicles entering the RPAT for lateral transfer, or turn-in, must be inspected for ammunition by RPAT personnel.



STEP 1: Vehicles are directed to the inspection staging lanes by RPAT personnel.





RPAT Inspection Process, Cont.



STEP 2: Each vehicle is inspected to ensure it is free of ammunition.

1. The first and most important inspection step starts with you (the losing unit).
2. The second step involves the RPAT inspectors and the last QA/QC step involves the inspection conducted by the RPAT OIC/NCOIC.
3. Keep in mind that the Unit is responsible for removing and properly disposing of ammunition before vehicles will be cleared to the ready line.



RPAT Inspection Process, Cont.



STEP 3: RPAT personnel will perform a rigorous and thorough inspection check that focuses on vehicle hotspots:

- Exterior
- Interior (under the seats)
- Under vehicle. i.e. cargo bed
- All close compartments
- Floor boards
- BII compartment
- Radio mounts
- Battery compartment
- Behind/inside seats
- Under floor padding
- Turrets
- Any area difficult to see or access.

RPAT Team Systematic Search Process

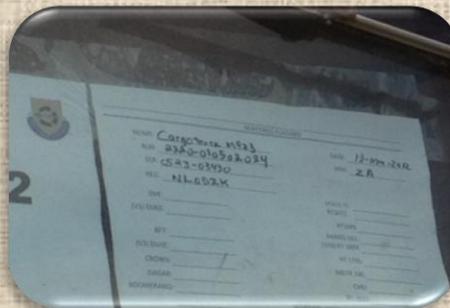
1. Search Outside of the vehicle
2. Search Top of vehicle
3. Search Inside of the vehicle
4. Search all difficult to reach and see areas
 - a. If necessary, utilize mechanics to unbolt and remove seats, batteries, mounts, etc.
5. Each member of the team searches their respective area and then the team switches searching roles
6. Upon completion:
 - a. RPAT OIC/NCOIC will verify and QA/QC the search
 - b. Vehicle is marked and logged



RPAT Inspection Process, Cont.



NOTE: If ammunition is unstable or in a dangerous area, RPAT personnel will immediately call EOD and they will properly remove the UXO.



STEP 4: Before ammunition is consolidated and turned in, RPAT personnel will picture and record which vehicles by serial number and unit and send CCIR to BN SPO for BN CMDR review.

NOTE: If ammunition is discovered by the RPAT personnel, vehicles will be recorded by serial number and by type of ammunition found.

STEP 5: If a vehicle grossly contains ammunition, it will be pulled off the line and will be deemed not ready for turn in until it is free of such ammunition. If free of ammunition, the vehicles will be cleared and marked by RPAT personnel and will then move onto the Ready Line.



DLA-DS Process



Floor panel and seats unbolted and removed



Dash unbolted and removed



Side panels unbolted and removed





Hotspots By Vehicle Type



HMMWV Series:



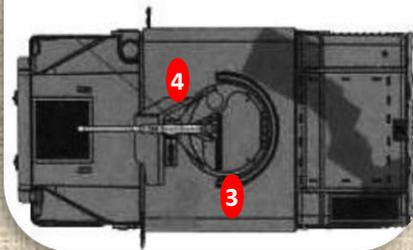
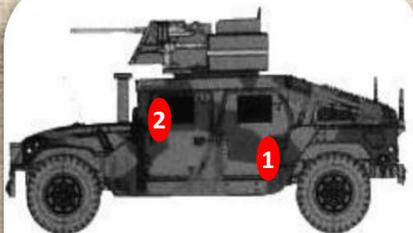
Hotspot 1: Under seats and padding



Hotspot 2: Radio mount

HOT SPOTS ON HMMWV

1. Under seats and floor mats
2. Under Padding
3. Radio mounts
4. Corner pillars
5. Battery tray



Hotspot 3: The corner of the seats by the pillars



Hotspot 4: Battery tray and compartment



Hotspots By Vehicle Type, Cont.



RG Series:



Hotspot 1: The front windshield area; outside compartments; and rain catches



Hotspot 2: Turret



Hotspot 3: The padding by the seats next to the wiring



Hotspots By Vehicle Type, Cont.



MAXXPRO Series:



Hotspot 1: Behind and inside seat

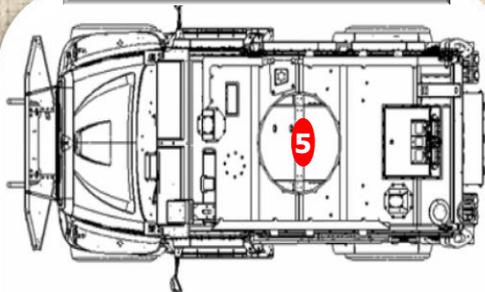


Hotspot 2: Under gear shaft



Hotspot 3: Any wiring in the cab

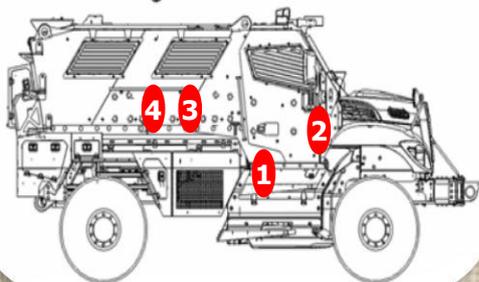
Hot Spots



Hotspot 4: In the rear radio mount/trays



Hotspot 5: Turret



1. Behind/inside the seat
2. Under the gear shift
3. Any wiring in the cab
4. In the rear radio mount
5. Turret
6. Inside turret area



Hotspot 6: Inside the turret area



Hotspots By Vehicle Type, Cont.



MATV Series:



Hotspot 1: Rear trunk wheel well



Hotspot 2: Inside duke mount



Hotspot 3: Rear trunk connections



Hotspots By Vehicle Type, Cont.



PLS/LHS



Hotspot 1: Opening next to gas pedal



Hotspot 2: Under seat



Hotspot 3: Opening between turret area



Hotspots By Vehicle Type, Cont.



5 Ton



Hotspot 1: Under seat



Hotspot 2: Opening behind seat



Hotspot 3: Under radio mount



Hotspot 4: Turret



401st Army Field Support Brigade

Bagram Air Field, Afghanistan



100%
RPAT Inspection Process

Goal – No Mishaps