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Safety

**EXPLOSIVES, MUNITIONS, AND
AMMUNITION**

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OPR: 22AF/SE (SMSgt Donald Preston)

Certified by: 22AF/SE (Col Gregory F. Kline)

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This instruction implements and extends the guidance of Air Force Manual (AFMAN) 91-201, AFRC Sup 1, *Explosives Safety Standards*, and is further supplemented by directives listed in References below. It establishes the need to ensure appropriate accountability, issue, receipt, and handling procedures for training/demonstration munitions and weapons are adhered to at all times. Furthermore, it reinforces the necessity for close compliance with applicable safety measures and procedures before, during, and after any training, exercise, or demonstration scenarios. The instruction prescribes specific responsibilities and procedures in the employment and handling of hand grenade simulators, ground burst simulators, smoke producing munitions and blank ammunition. This instruction applies to all Headquarters 22nd Air Force and its unit personnel engaged in munitions handling.

1. Guidance/References:

- 1.1. AFMAN 91-201, AFRC Sup 1, *Explosive Safety Standards*
- 1.2. AFI 31-101, *The Air Force Installation Security Program*
- 1.3. AFCAT 21-209, *Ground Munitions*.
- 1.4. AFI 91-202, *The US Air Force Mishap Prevention Program*
- 1.5. AFMAN 24-204(1), *Preparing Hazardous Materials For Military Air Shipments*
- 1.6. AFI 91-204, *Safety Investigations and Reports*
- 1.7. Technical Order (TO) 11A8-2-1, *Operations Manual; Hand and Rifle Grenades, 66mm Rocket Launcher, 81mm Mortar, 90mm Recoilless Rifle, 40mm Cartridges, Flares and Signals, Smoke-pots, Land Mines, and cartridge, 84MM M136 (AT-4)*
- 1.8. Technical Manual (TM) 9-1370-207-10, *Operational Manual; Pyrotechnic Simulators*
- 1.9. Technical Order (TO) 11-A-1-46 *Fire Fighting Guidance, Transportation and Storage Management Data*

1.10. AFP 91-215, *Operational Risk Management Guidelines*

2. Qualification:

2.1. Individuals handling and transporting items listed in **Table 1**. must receive four types of explosive safety training (listed in paragraph 2.3.). Record training completion dates in individual's AF Form 623, On-The-Job Training Record or on the AF Form 55, Employee Safety and Health Record, and AF Form 483, Certificate of Competency. Higher headquarters evaluation teams using these devices must present proof of training to the base safety office prior to use (AFMAN 91-201, AFRC Sup 1, para 2.15.2.).

2.2. Functional Managers. Functional Area Managers must ensure that augmentees/trainees are qualified to handle and transport simulators and smoke producing munitions prior to execution of training exercises.

2.3. Training. A certified instructor, appointed in writing by 22AF Commander, will accomplish training and the user must carry AF Form 483, documentation of training. The four types of training are as follows:

2.3.1. Initial Explosives Training - Includes instruction and practical exercises (EXCEPTION: Small Arms Ammunition)

2.3.2. Annual Refresher Training (EXCEPTION: Small Arms Ammunition)

2.3.3. Explosives Ordinance Disposal (EOD) – Handling and activating explosives

2.3.4. Transporting Explosives – Transporting explosives/munitions on-base and off-base IAW AFMAN 91-201, AFRC Sup 1, AFMAN 24-204(1), CFR 49, Part 177.870, and Public Transportation Requirements (PTR)

3. Explosive Limits and Hazard Class/Division:

3.1. List Explosive Limits: The functional managers will determine the specific quantities of explosives during pre-exercise planning meetings.

3.2. List Hazard Class/Division:

Table 1. Hazard Class/Division

<u>Nomenclatures</u>	<u>NSN</u>	<u>NEW</u>	<u>Fire Symbol</u>
Simulator, Hand Grenade, M116A1 (DE)	1370-00-752-8124	.0813 ea	1.3G
Signal, SMK & Ill, MK-124 MOD O (DE)	1370-01-030-8330	.2000 ea	1.4G
Simulator, Ground Burst, M115A2 (D)	1370-00-752-8126	.1410 ea	1.2G
Signal, SMK & Ill, MK-13 MOD O (DE)	1370-00-309-5028	.2120 ea	1.4G
Grenade, Hand, Smoke- Green, M18 (D)	1330-00-289-6851	.7200 ea	1.4G
Grenade, Hand, Smoke- Red, M18 (D)	1330-00-289-6852	.7200 ea	1.4G
Grenade, Hand, Smoke- Violet, M18 (D)	1330-00-289-6853	.7200 ea	1.4G
Signal Kit, Personal. Distress A/P-25S-5A (DE)	1370-00-490-7362	.0812 ea	1.3G
CTG 5.56 Millimeter Blank (Single Round)	1305-00-182-3217	.0011 ea	1.4S
CTG 5.56 Millimeter Blank (Linked)	1305-01-258-8694	.0010 ea	1.4S
CTG 7.62 Millimeter Blank (Linked)	1305-00-752-8087	.0022 ea	1.4S

Table 2. Hazard Symbol Codes

D	Breathing Apparatus
E	Apply No Water

4. Personnel Limits. Only qualified, trained personnel handle, withdraw, transport, and activate simulators and smoke producing munitions in accordance with AFMAN 91-201, para 2.15.2.

5. Operations Locations:

5.1. The exercise Team Chief in coordination with the functional area manager(s) determines the locations and storage where munitions will be utilized during the planning process. Specific location for use will be identified in the commander approved Exercise Plan. The Exercise Team Chief prepares a risk assessment and detailed list of explosives detailing the NSN, HC/D, and explosives weights authorized for use in the exercise and a detailed list of locations where munitions will be deployed. The deployed location installation commander must give written approval of the plan.

Include weapons safety personnel in exercise planning and risk assessment. (AFMAN 91-201, Para 2.16)

5.2. Functional area managers will ensure a minimum of two serviceable fire extinguishers are provided by the host base fire department and are available for immediate use at the location where explosives are being handled (2A:10BC rated extinguishers).

6. Transporting Explosives and Munitions by Air:

6.1. If functional areas are required to airlift munitions to deployed locations, the following procedures must be carefully followed IAW AFMAN 24-204(I) and AFMAN 91-201.

6.2. The functional area manager contacts the servicing TMO with required documentation for air transport.

6.3. Personnel handling and/or preparing the Shipper's Declaration of Dangerous Goods must be trained IAW AFMAN 24-204(I), attachment 25, and accomplish the Technical Specialist Course. All paperwork for transportation, by air or ground, must also be prepared.

7. Transporting Explosives by Ground:

7.1. The functional area manager contacts the servicing TMO with required documentation for ground transport.

7.2. The following requirements apply when transporting munitions in vehicles (AFJMAN 24-306, chapter 19 and AFMAN 91-201, para 2.71.2, and CFR 49, Part 177.870).

7.2.1. Functional area managers will ensure each explosives-laden vehicle used for transportation has at least two portable 2A:10BC rated fire extinguishers (AFMAN 91-201, para 2.22.3, and AFJMAN 24-306, chapter 19).

7.2.2. Use Department of Transportation placards for the appropriate Hazard Class Division (Magnetic Type).

7.2.3. Transport munitions in metal containers and/or original packaging to prevent item-to-item contact (AFMAN 91-201).

7.2.4. Secure metal containers within the vehicle to prevent movement.

7.2.5. Do not transport containers in vehicle passenger compartments.

7.2.6. For Transportation in Rental Vehicles. (CFR 49, Part 177.870)

7.2.6.1. Explosives, munitions, and ammunition will not be transported off-base over the public highway in rental vehicles.

7.2.6.2. Do not transport more than 10 hand grenade/ground burst simulators or smoke producing generators at one time.

7.2.7. Exercise coordinators notify the installation fire department of make, model, and number of all vehicles (includes rental vehicles) transporting simulators and smoke producing munitions.

7.2.8. Do not leave explosives-laden vehicles unattended.

8. Forecasts for munitions:

- 8.1. The functional area manager identifies munitions requirements to 622 RSG/XP.
- 8.2. 622 RSG/XP forecasts requirements for 22AF Headquarters and unit personnel based on functional areas requests (AFCAT 21-209). Forward forecast to HQ AFRC/LGX AND AFRC/LGMW for munitions allocations processing by December of each year.

9. Storage Requirements:

- 9.1. The Exercise Team Chief or designated representative will coordinate all storage requirements with the host facility prior to employment phase of the exercise planning process.
- 9.2. The Exercise Team Chief or designated representative will request AF Form 2047, *Explosives Facility License*, prior to arrival at the exercise site from the local weapons safety office to authorize storage location for exercise munitions.
- 9.3. The unit will provide a secure storage area to store explosives and appropriate warning signs (fire symbol, no smoking, etc.).
- 9.4. Post symbols on exterior and interior entrances to small rooms in buildings that are licensed for storing quantities of explosives.
- 9.5. Mark lockers or containers with the proper symbol(s). Storage facility for smoke producing munitions will have "Apply No Water" signs.

10. General Safety Precautions:

- 10.1. Individuals will not carry explosive devices on their person, in pockets, etc. All explosives devices will be carried in an appropriate metal container.
- 10.2. Fire Extinguishers. Unless otherwise directed by the fire chief, provide a minimum of two serviceable fire extinguishers, suitable for the hazards involved, for immediate use at any location where explosives are being handled, setup or activated. See paragraph 2.35 for licensed locations.
- 10.3. All unused munitions, explosive debris (e.g., spent smoke canisters, flares, and original packaging materials etc.), will be returned upon completion of the exercise/training. All misfire (DUD) ordnance will be treated as a real world UXO with real world reporting, evacuation and cordon requirements.
- 10.4. Emergency Actions. In the event of an emergency situation (i.e., malfunction), a verbal alarm is sounded by the first individual recognizing the emergency situation. All operations in the immediate area will cease until the situation is contained and under control. Notify EOD IMMEDIATELY. If an injury occurs, administer first aid and seek medical assistance as soon as possible.
- 10.5. If fire occurs where munitions are stored, personnel must observe the following withdrawal distances:

Table 3. Minimum Withdrawal Distances (in feet) for Explosives Involved in Fire.

Hazard/Class Division			
1.4	Minimum Distance		300
1.3	Minimum Distance		600
1.2	Minimum Distance		2500
1.6			
1.1	Unknown Quantity	Aircraft, Truck,	4000
1.5		Trailer, Trailer, Facility	
		Railcar	5000
	Transportation Known Quantity	500 lbs or less, all modes	2500
		More than 500 lbs, railcar	5000
		More than 500 lbs, all other modes including aircraft	4000
		All quantities, bombs and explosives greater than 5-inch caliber	2500
	Facilities Known Quantity	15,000 lbs, less than 50,000 lbs	4000
		More than 50,000	K105

10.6. Mishap Reporting. Report all mishaps, injuries or property damage (regardless of the degree of injury) to the work center supervisor and to the exercise safety staff.

10.6.1. The host safety office will assist with reporting mishaps IAW AFI 91-204.

10.6.2. The exercise safety office will provide emergency telephone numbers to all functional areas prior to execution of exercises.

11. Blank Ammunition:

11.1. [Attachment 4](#) includes step by step procedures in handling blank ammunition.

11.2. No live ammunition allowed in exercise area.

11.3. No live ammunition will be deployed with exercise participants.

12. STEP-BY-STEP SEQUENCE.

12.1. Refer to appropriate attachment for specific instructions:

12.1.1. Smoke Producing Munitions

12.1.2. Battlefield Simulators

12.1.3. Signals

12.1.4. Blank Ammunition

JAMES D. BANKERS, Major General, USAFR
Commander

Attachment 1

SMOKE PRODUCING MUNITIONS

NOTE: Use this instruction in conjunction with current standard publications.

A1.1. The following restrictions apply to the use of these items:

WARNING: A 30-minute wait time will be observed prior to approaching a dud fired pyrotechnic initiated device. Dampness or deterioration in the powder may cause prolonged burning.

A1.1.1. The area where the items are to be used must be free of combustible material within a 10-foot radius surrounding the items.

A1.1.1.1. Pre-determine the exact area where hand grenade simulators, ground burst simulators, or smoke grenades will be activated.

A1.1.1.2. Barriers designed in accordance with AFJMAN 32-1092 may reduce required distances. Provide the design criteria through 22AF Safety and Headquarters AFRC Safety for approval.

A1.1.2. Minimum distance:

A1.1.2.1. Personnel or vehicle: Maintain a minimum of 125 feet separation.

A1.1.2.2. Facilities without facing window: Maintain a minimum separation of 100 feet.

A1.1.2.3. Facilities with facing window: Maintain a minimum separation of 200 feet.

A1.1.2.4. Harden facilities, including hardened aircraft shelters: Maintain a minimum separation of 50 feet.

A1.1.2.5. Petroleum, oil and lubricants (POL) storage: Maintain a minimum separation of 200 feet.

A1.1.2.6. Aircraft in the open: Maintain a minimum separation of 100 feet. Maintain 200 feet if aircraft are explosive loaded.

A1.1.2.7. Explosive operating locations, holding areas, open storage areas or butler-type storage facilities: Maintain a minimum separation of 200 feet.

A1.1.2.8. Above ground magazines of block, brick, or concrete construction and from earth covered magazines: Maintain a minimum separation of 50 feet.

A1.1.2.9. Refueling equipment / Fuel Servicing: Maintain a minimum of 200 Feet.

A1.1.3. Initiated items will be monitored for proper functioning and residue will be properly disposed of.

A1.1.4. EOD will be notified when a munitions malfunctions. Mark location of duds with red tape, and notify EOD of location. **ONLY EOD** personnel will handle duds. Someone will standby and control access to the dud location until EOD arrives.

A1.1.5. Munitions will not be pre-positioned and left unattended

A1.1.6. Dispose of expended simulators and smoke pots in accordance with environmental standards and TO 11A-1-60.

A1.2. Personal Protective Equipment. Hearing protection, leather gloves, and goggles.

A1.3. Hazards. The main hazards from smoke munitions involve smoke inhalation, high temperature burn and fire hazard, and toxic residue on items.

A1.4. Smoke grenades, M-18

A1.4.1. Choose proper color grenade:

WARNING: DO NOT use pull ring for lifting or handling grenade. **If grenade is packed upside down or safety pin is not properly in place and visible,** do not attempt to remove it from the fiber container. Place aside in a secured location and notify EOD.

A1.4.2. Inspect the explosive for tampering or deterioration.

A1.4.3. Ensure target is clear of personnel

A1.4.4. Remove grenade by placing the palm of the throwing hand over the grenade fuse and turn the bottom of the container upside down. Carefully allow the grenade to slide out of the container. Be sure to slide your thumb over the safety lever before it clears the container.

A1.4.5. Pull the safety pin with a twisting motion. The igniter cord will disengage from the simulator and a hissing noise will occur indicating the fuse has ignited. Release the handle on the smoke grenade and throw or toss the grenade to the designated targeted. Immediately turn and walk briskly away with back to the munitions. Do not hit anything that would deflect the grenade.

WARNING: Once the safety pin has been pulled, DO NOT attempt to reinstall the pin. The grenade must be expended.

A1.4.6. Grenades have a 2-second delay and smoke for 50 to 90 seconds.

A1.4.7. Monitor for proper functioning and disposal of residue. Smoke canisters are extremely hot after use thus creating a burn hazard. Do not recover smoke grenade canisters for a period of not less than one (1) hour after detonation.

A1.5. Emergency Situations. In the event of an emergency situation (i.e., malfunction), a verbal alarm is sounded by the first individual recognizing the emergency situation. All operations in the immediate area will cease until the situation is contained and under control. Clear the area 300 feet. Notify EOD IMMEDIATELY. If an injury occurs, administer first aid and seek medical assistance as soon as possible.

Attachment 2

BATTLEFIELD SIMULATORS

NOTE: Use this instruction in conjunction with current standard publications.

A2.1. The following restrictions apply to the use of these items:

WARNING: A 30-minute wait time will be observed prior to approaching a dud fired pyrotechnic initiated device. Dampness or deterioration in the powder may cause prolonged burning.

A2.1.1. The area where the items are to be used must be free of combustible material within a 15-foot radius surrounding the items.

A2.1.2. Minimum distance:

A2.1.2.1. Personnel or vehicle: Maintain a minimum of 125 feet separation.

A2.1.2.2. Facilities without facing window: Maintain a minimum separation of 100 feet.

A2.1.2.3. Facilities with facing window: Maintain a minimum separation of 200 feet.

A2.1.2.4. Harden facilities, including hardened aircraft shelters: Maintain a minimum separation of 50 feet.

A2.1.2.5. Petroleum, oil and lubricants storage: Maintain a minimum separation of 200 feet.

A2.1.2.6. Aircraft in the open: Maintain a minimum separation of 100 feet or 200 feet if aircraft are explosive loaded.

A2.1.2.7. Explosive operating locations, holding areas, open storage areas or butler-type storage facilities: Maintain a minimum separation of 200 feet.

A2.1.2.8. Above ground magazines of block, brick, or concrete construction and from earth covered magazines: Maintain a minimum separation of 50 feet.

A2.1.3. Initiated items will be monitored for proper functioning and residue will be properly disposed.

A2.1.4. EOD will be notified when a munitions malfunctions.

A2.1.5. Battlefield simulators will not be pre-positioned and left unattended.

A2.2. Hazards. The main hazard from simulators is blast, with accompanying fragments. May ignite combustible materials.

A2.3. Ground Burst Simulator M115A2 and Hand Grenade Simulator M116A1.

WARNING: The M115A2 may have markings, which indicate a 15-yard hazard distance. Disregard those markings. Field tests show an actual 35-meter personnel safety distance. Gravel, sticks, and other debris may be projected at high velocity.

A2.3.1. Personnel will wear a leather glove on the holding hand when operating simulators. Long sleeves will be worn and rolled down.

A2.3.2. Simulators will not be carried in such a manner that they may be dropped or lost without the knowledge of the individual.

A2.3.3. Operating procedures.

WARNING: Do not remove simulator safety clip until immediately prior to functioning.

A2.3.3.1. Remove simulator safety clip.

A2.3.3.2. Carefully pull off the cap of the fuse lighter.

A2.3.3.3. Grasp the simulator in the throwing hand and hold it away from the body.

WARNING: Never pull the cord more than once or attempt to determine if fuse delay has functioned. Always immediately throw the simulator.

A2.3.3.4. With the other hand, firmly grasp the plastic cap and firmly pull the cord once and immediately throw the simulator. Immediately turn and walk briskly away from the simulator to protect faces and eyes. If the fuse assembly separates from the body, place the simulator aside, mark the location and call EOD for disposal.

A2.3.3.5. If a simulator fails to function, the area will be marked with a red piece of tape tied to a stake or adjacent tree at eye level. Notify EOD.

A2.3.3.6. Following the exercise, the training area will be policed and all duds accounted for.

WARNING: Only EOD personnel will handle and dispose of dud simulators.

A2.4. Booby Trap Simulators, M118 and M119.

A2.4.1. M118 (illuminating) and M119 (whistling) principally differ in having either a 28-second illuminating flame versus a whistle lasting 2 1/2 to 5 seconds.

WARNINGS:

A2.4.1.1. Do not attempt to use simulators by taping or wiring it to the mounting surface.

A2.4.1.2. Do not remove the simulator cap out of step sequence.

A2.4.1.3. Do not initiate while holding in hand.

A2.4.1.4. Booby trap simulators do not have a delay type fuse. Use caution when setting them up.

A2.4.2. Functioning procedures.

A2.4.2.1. Remove booby trap simulator from the cardboard shipping container.

A2.4.2.2. Select two trees, stakes, or other objects to which a trip wire can be fastened so that the wire will extend across the path to be trapped.

A2.4.2.3. Make a loop in one end of the wire and pass it downward through the top staple on the first tree.

A2.4.2.3.1. Turn it through 180 degrees against resistance of one prong of the top staple.

A2.4.2.3.2. Turn it through 90 degrees against resistance of bottom nail and across to the second tree.

A2.4.2.4. Fasten the trip wire to the second tree by wedging the nail between the staple mentioned in paragraph (3) and the tree, so that the nail is held by the friction of the staple and the tree to ensure a taut and secure trip wire.

A2.4.2.5. Carefully remove the tape securing the cap. Remove the cap from the simulator and tie the pull cords to the hook at the upper end of the spring. Nail the simulator in position directly above the spring.

WARNING: Dry grass or leaves directly underneath may become ignited. **DO NOT** function the simulator while holding it in your hand as this can cause injury.

A2.4.2.6. If a booby trap simulator fails to function, the area will be marked with a piece of red tape tied to a stake or an adjacent tree at approximately eye level. The ESM or an appointed member will notify EOD.

A2.4.2.7. Following the exercise, the training area will be policed for burned (functioned) booby traps and all duds will be accounted for. Live booby traps will be located and tripped. **DO NOT ATTEMPT TO REMOVE AND REUSE**

Attachment 3

SIGNALS

NOTE: Use this instruction in conjunction with current standard publications.

A3.1. Hazards. Fire and burn potentials.

WARNING: A 30-minute wait time will be observed prior to approaching a dud fired pyrotechnic initiated device. Dampness or deterioration in the powder may cause prolonged burning.

A3.2. Signal, Smoke and Illumination MK13 MOD 0.

WARNING: Signals burn at high temperatures. Care must be taken when using around personnel and dry vegetation.

A3.2.1. **MK13** signals will not be carried in such a manner whereby they may be dropped or lost without the knowledge of the individual.

A3.2.2. Functioning procedures:

WARNING: Do not point signal towards yourself when functioning

A3.2.2.1. Remove the cap from the end to be ignited.

A3.2.2.2. Flip the pull ring over the signal rim.

A3.2.2.3. Push the ring down to break the seal.

A3.2.2.4. If the seal doesn't break, push the ring until it bends against the case.

A3.2.2.5. Flip the bent ring back to the original position and use it as a lever to break the seal.

A3.2.2.6. Ignite the signal by a quick pull on the ring.

A3.2.2.7. Hold it at arm's length 45 degrees from horizontal.

A3.2.2.8. If the smoke signal flames, douse it momentarily in water.

A3.2.2.9. After using one end, douse the signal in water to cool it. Save it for use on the other end, if needed.

A3.2.2.10. **If** an MK13 signal fails to function; the area will be marked with a piece of red tape tied to a stake or adjacent tree at approximately eye level. Life support personnel will notify EOD

Attachment 4

BLANK AMMUNITION

The purpose of this attachment is to establish and standardize procedures and responsibilities concerning the inspection, issue, use and turn-in of blank ammunition used during training exercise. This outlines the minimum precautions and forms the basis for the safety briefing prior to issue of any ammunition to users.

Objective: IAW AFMAN 91-201, para 2.14, it is the responsibility of each commander, or member designated by the squadron commander, to ensure live ammunition is not introduced into an exercise.

A4.1. Prior to STARTEX. Prior to start of training, check all ammo pouches, rucksacks, mobility bags and magazines for live ammunition prior to entry into exercise area. Brief personnel regarding their responsibilities for safety and accountability.

A4.2. Requirement: Members who are armed with live ammunition performing official duties (i.e. courier) will not be permitted into the exercise area, with the exception of on-duty Security Forces personnel. Or if presence is necessary the individual will be armed with a different caliber of weapon than the ammunition being used in the exercise.

A4.3. Inspection/Loading:

A4.3.1. The appointed official designated by the Commander will visually inspect all blank ammunition and all in-use magazines prior to use in all field exercises.

WARNING: The appointed official will inspect each individual round to verify blank ammunition. Inspect and segregate all magazines to ensure the magazines are empty prior to beginning any loading procedure. Magazines that are not fully loaded will not be topped off/reloaded. All rounds will be completely removed from the partially loaded magazine and re-inspected before reloading.

A4.3.2. The appointed official designated by the Commander will personally supervise the loading of all magazines with blank ammunition.

A4.3.3. The designated official will ensure that all magazines containing blank ammunition are sealed across the top with paper tape and marked with the initials of the member responsible for loading that magazine. Magazines must be identified by marking with a blue color denoting training ammunition. Recommend use of a blue tape at least 1" wide around the base of the magazine. Live ammunition must be marked with red tape.

A4.3.4. The designated official will ensure that all loaded magazines are stored in a securable metal container until issue to individuals during exercises. The container will be sealed to prevent tampering and maintain integrity and "**BLANK AMMO**" will be written on the outside of the container.

A4.4. ISSUE:

A4.4.1. The designated official will conduct a safety briefing prior to exercise beginning; a sign in sheet will be completed and maintained for a period of 90 days by the unit safety office. The designated official will issue loaded sealed magazines to trainees only after the trainees' weapons safety briefing has been accomplished and documented. Issues will be in minimum quantities necessary for one day's expenditure. Accurate record of quantities issued, to whom they were issued and amounts expended are required via AF Form 1297 for the container of blanks.

A4.4.1.1. Safety Briefing must include the following information.

A4.4.1.1.1. Names of personnel who received the safety briefing

A4.4.1.1.2. Date of briefing

A4.4.1.1.3. A description, copy, or location of briefing materials used to brief the person

A4.4.1.1.4. Name and address of the person who provided the briefing

NOTE: The issuing official will ensure that all packaging materials, boxes, bandoleers etc are maintained for reuse until ammunition is actually expended. All packaging material will then be returned to the issue point for further processing and disposition.

A4.4.2. All AF Form 1297's will be maintained for a period of 90 days from date of exercise. As a minimum the following areas will be addressed:

A4.4.3. Safe Firing Distances:

A4.4.3.1. M-16A2 Rifle: No less than 30 feet (TO: 11W3-5-5-1.)

A4.4.3.2. M-249 SAW: No less than 30 feet (TO: 11W3-5-5-51.)

A4.4.3.3. M-60 MG: No less than 40 feet (TO: 11W1-12-8-52.)

A4.4.4. Safety requirements include special requirements for personal protective clothing and equipment.

A4.4.5. The designated official will establish a weapon clearing area where weapons can be checked prior to and after exercises or in case of accidents during the exercise. Every weapon will be checked to ensure they are in proper working order and contain no live ammunition.

A4.5. STOPEX. Turn in Procedures.

A4.5.1. All unexpended rounds, damaged blank ammunition will be returned to the issue point upon completion of each individual's duty day of the exercise. Prior to termination of exercise, supervisors and team leaders check all ammo pouches, rucksacks, mobility bags and magazines for blank and live ammunition to ensure all personnel and equipment are inspected and relieved of any unfired blank rounds.

A4.5.2. The designated official will monitor the removal of any remaining blank ammunition from magazines.

A4.5.3. The responsible official will conduct a complete inventory at conclusion of each scenario and will reconcile the issue and return quantities.

A4.5.4. The designated official will visually inspect all unexpended blank ammunitions to ensure "blank rounds" are not stored with live ammunitions.

A4.5.5. Upon completion of the inspection, unexpended blank ammunition will be repacked in the original container according to lot number and a seal will be placed on the container. The outside of the container will be marked "BLANK AMMO" along with the quantity. AF Form 2005, Issue/ Turn-In Request, will be filled out for the number of rounds expended {MSI} [Certified Custody Expenditure]. The munitions will then be returned to the issue point, "TIN" {Turn In} status.

A4.5.6. Individuals will police up expended brass to the greatest extent possible and turn-in at the issue point as residue. All ammunition residue will require proper disposition. And will be inspected by a qualified inspector

A4.5.7. Upon return from exercise all weapons will be cleared at clearing barrel prior to turn-in to armory or storage vault.

A4.6. Emergency Procedures/Communications:

A4.6.1. Emergency Actions. In the event of an emergency situation (i.e., malfunction), a verbal alarm is sounded by the first individual recognizing the emergency situation. All operations in the immediate area will cease until the situation is contained and under control. Notify EOD IMMEDIATELY. If an injury occurs, administer first aid and seek medical assistance as soon as possible.

A4.6.2. The safety official designated by the Exercise Team Chief will have a cellular phone or radio to enable him to contact emergency personnel in case of an accident.

A4.6.3. The safety official will obtain a list of emergency numbers to contact from the exercise area in case of any accidents. He/she will ensure that the Security Forces, Munitions (MASO), Medical personnel and Ground Safety are notified and will be responsible to record the events and names of personnel involved and write reports as required in support of the mishap investigation.