

**BY ORDER OF THE COMMANDER
JOINT BASE CHARLESTON**

**JOINT BASE CHARLESTON
INSTRUCTION 91-203**



12 JUNE 2019

Safety

**USE OF EXPLOSIVES & MUNITIONS
IN GROUND DEFENSE TRAINING**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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(Lt Col Michael B. Speck)

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This Instruction implements Air Force Manual (AFMAN) 91-201, *Explosive Safety Standards*. It provides guidance to establish positive procedures for the issue, control and utilization of munitions during ground defense training and is applicable to all military and civilian personnel, including Air Force Reserve and Air National Guard personnel, assigned to the 628th Security Forces Squadron (628 SFS). Safety principles outlined in this Instruction are also applicable to off base training sites as long as they are not in conflict with host base regulations. Training personnel will coordinate with host base personnel to ensure local safety regulations are also adhered to. The terms "must," "shall," and "will" denote mandatory actions. The terms "should" and "may" are used when procedures are recommended. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with (IAW) AFMAN 33-363, *Management of Records*, and disposed of

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requests for waivers through the chain of command to the appropriate Tier waiver approval authority, or alternately, to the Publication OPR for non-tiered compliance items.

| | | |
|---|---|-----------|
| 1. | Responsibilities. | 3 |
| 2. | Explosive Limits. | 4 |
| 3. | Personnel Limits. | 4 |
| 4. | Equipment Requirements. | 4 |
| 5. | Location. | 4 |
| 6. | General Safety Requirements. | 4 |
| 7. | Dye Marking Munitions Safety. | 8 |
| 8. | Exercises and Training Involving Explosives Risk Assessment. | 9 |
| Table 1. | The munitions listed below will be used during training. | 10 |
| Table 2. | Training Will Take Place in The Following Location(S). | 11 |
| Table 3. | Ground Burst Simulators. | 11 |
| Table 4. | Smoke Grenades. | 11 |
| Table 5. | Blank Ammunition. | 11 |
| Table 6. | Notify the following offices, as applicable. | 12 |
| Table 7. | Munitions hazards, fire withdraw distances, and required personnel protective equipment (PPE). | 13 |
| Attachment 1— GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION | | 14 |
| Attachment 2— AUTHORIZED GROUND DEFENSE TRAINING MUNITIONS AND EQUIPMENT | | 16 |
| Attachment 3— TRAINING MUNITIONS PRECAUTIONS AND HANDLING PROCEDURES | | 21 |
| Attachment 4— SAFETY/SCENARIO BRIEFING | | 28 |
| Attachment 5— SCENARIO EXECUTION | | 30 |

1. Responsibilities. The Noncommissioned Officer in Charge (NCOIC) of training is responsible for instructing and ensuring all personnel in training know the safety practices applicable to the operation being performed and the type of munitions being used. The training NCOIC will act as the Chief Range Officer (CRO) or will appoint another qualified individual if they are not present. The CRO will have overall responsibility for implementation of this instruction during training. All other instructors participating will act as Range Safety Officers (RSO) and will assist in making sure everyone is in compliance with this instruction.

1.1. Instructors conducting or supervising training must be trained and task certified by the Combat Arms NCOIC in CRO or RSO duties as appropriate for the role they will perform as required by AFI 36-2654, *Combat Arms Program*.

1.2. Only trained/certified instructors are authorized to use explosive munitions as part of ground defense training. Explosives Ordnance Disposal (EOD) will conduct the training for simulators and smoke producing munitions and provide documentation of the training. For dye marking munitions, instructors responsible for implementing training/exercise scenarios using the Close Combat Mission Capability Kit (CCMCK) must be certified by attending a manufacturer's course, major command approved dye-marking cartridge course, unit developed train-the-trainer course or a comparable course. This training must be documented in the individual's training record on AF Form 797, *Job Qualification Standard Continuation/Command JQS*, and AF Form 1098, *Special Task Certification and Recurring Training* (for recurring training).

1.3. Training personnel are responsible to:

1.3.1. Know and understand this instruction.

1.3.2. Possess this instruction, the CCMCK Continuity of Operations (CONOPS) and Technical Order (T.O.) 11W2-9-4-11, *Operators Manual for Close Combat Mission Capability Kit* in a binder during any training event, which includes blanks, Simunitions, Munitions and explosives.

1.3.3. Possess at least one type of communication device in case of emergency (radio, telephone, cellular phone).

1.3.4. Know, understand and strictly comply with all safety standards requirements, and precautions applicable to their duties.

1.3.5. Know procedures for reporting unexploded or unused training munitions.

1.3.6. Munitions are transported IAW 91-201 and paragraph 6.2. of this instruction.

1.3.7. Provide students participating in joint training, to include personnel from other services, with a safety briefing prior to the exercise. ([Attachment 4](#))

1.3.8. Conduct training within designated areas.

1.3.9. Inspect the training area for any objects, obstacles or lethal munitions, which pose a threat or hazard.

1.3.10. Install or supervise the installation of weapon conversion kits.

1.3.11. Designate the status of the range as either "HOT" or "COLD".

1.3.12. Monitor all training to ensure a safe environment is maintained.

- 1.3.13. Assign range guards, if needed to control entry/access to the training area.
- 1.3.14. Control the flow of the scenario to ensure all training objectives are met. (**Attachment 5**)
- 1.3.15. Assign weapons types and ammunition to participants.
- 1.3.16. Conduct de-brief with all participants.
- 1.3.17. Ensure the training area is clean prior to departure.
- 1.3.18. Ensure weapons are cleaned prior to turn in.
- 1.3.19. Ensure all expended ammunition is certified and all munitions are properly turned in.

1.4. All personnel will report any unsafe condition, equipment or material. In addition, they will also warn others of any unsafe condition and wear or use protective equipment.

1.5. The absence of a safety requirement in this instruction or a T.O. does not necessarily indicate that no safeguards are needed. Prompt action will be taken to control any hazard.

2. Explosive Limits. Only munitions listed in **Attachment 2** are authorized during training. Ground Burst Simulators (GBSs) will only be deployed in designated areas. Currently, the only approved areas are the two GBS pits located in the Ability to Survive and Operate (ATSO) area and the one GBS pit located on the M-203 practice range. All other GBS pits must be approved through the 628th Air Base Wing Safety Office (628 ABW/SE) before use.

3. Personnel Limits. The CRO or RSOs will ensure unauthorized personnel are not within the training area(s). Entry into training area will be limited to a one-way in/out control point. The CRO or RSOs are responsible for ensuring that entry requirements include inspection of all pockets, pouches and gear for weapons, ammunition or other hazardous/dangerous items. Items will be removed from the training area.

4. Equipment Requirements. Prior to starting the training scenario, the CRO and all RSOs will ensure all personnel within the training area are wearing the appropriate Personnel Protective Equipment (PPE) as listed in **Attachment 2**, and must remove rings, watches and jewelry when handling munitions

5. Location. Designated training areas on Joint Base Charleston. The only Wing Safety approved training locations are the Air Base ATSO area, M-203 grenade launcher practice range and the Combat Arms range. On the Weapons Station, the only approved areas are the Federal Law Enforcement Training Center (FLETC) non-lethal range, the FLETC range, the Cooper River and the SF Shoot House training area adjacent to Building 842. All other areas must be approved by Wing Safety before use.

6. General Safety Requirements.

6.1. Weapons: Only approved dye-marking ammunition and properly modified weapons are authorized for use in the training/exercise area. The CRO or RSOs will ensure that the appropriate ammunition is loaded in properly approved magazines in the training/exercise area only. The CRO or RSOs will visually inspect all magazines, weapons and ammunition prior to commencement of each day's training. Magazines used during CCMCK training will be kept separate from magazines used for blank and live fire rounds.

6.1.1. Brief all exercise participants that weapons loaded with training rounds are not to be pointed or fired at any individual within one (1) foot with 9mm ammunition and within six (6) feet with 5.56mm ammunition for dye marking rounds and twenty (20) feet with blank ammunition. Additionally, brief all participants that intentional shots above the neck during force-on-force training are not authorized. Shooters will not intentionally fire at the head or face of other personnel.

6.1.2. All personnel will check all ammunition, equipment and weapons they receive from someone else for any safety problems or live ammunition. The weapon muzzle will be pointed away from all personnel and resources and then cleared out. Once it has been verified that the weapon is free of ammunition or obstructions, it will be safe for use in the training area.

6.1.3. After completion of any training scenario, the CRO or RSOs will ensure all weapons are cleared and empty. The CRO or RSOs will physically check all personnel's pockets, magazines, magazine pouches, tactical vests and all gear, for any ammunition, prior to leaving the area.

6.1.4. Upon return from the training area, and prior to weapons turn in, all weapons must be cleaned and cleared out at approved clearing barrel areas.

6.2. Field Storage. Select storage sites that are relatively level, well drained and able to support the weight of the munitions stocks. Ditching with entrenching tools to ensure adequate drainage may be required.

6.2.1. If storing chemical munitions (hazard classification (HC) Smoke, White Phosphorous, Riot Control), consider prevailing wind directions.

6.2.2. Clear debris, weeds and any combustible materials at least 50 feet from munitions storage sites.

6.2.3. Use wooden or metal pallets, if available, to stack munitions containers on to keep munitions stocks dry. A 6-inch minimum clearance from the bottom of the munitions containers to the ground is recommended. If pallets are not available, dunnage can be made from trees, empty ammunition boxes or wooden crates.

6.2.4. If storing blank and live ammunition, ensure containers are clearly marked. When stored in the same storage area, ensure live and blank ammunition are not stored side by side.

6.2.5. Post "NO SMOKING" signs around storage site perimeters.

6.2.6. Training munitions will remain in the outer/inner packaging until time of actual use. Munitions not used will be returned to appropriate packaging.

6.2.7. The responsible commander may order fire symbols removed for emergency security purposes. Check with the commander and fire department to determine whether fire symbols are required.

6.2.8. Cover munitions stocks with fire resistant, water proof material, maintaining an 18-inch clearance between munitions stacks and overhead cover.

6.2.9. Provide a ready firefighting capability. This may be a portable fire extinguisher, water buffalo with water buckets, or other firefighting devices.

6.2.10. Do not cover or conceal firefighting materials, for it may conflict with the requirement for fire protection.

6.3. Transportation. Only government owned and operated vehicles will be used to transport explosives. Private vehicles are not authorized.

6.3.1. Explosive items will be packed in original or like containers.

6.3.2. Using AF Form 1800, *Operators Inspection Guide and Trouble Report*, vehicles will be inspected daily for serviceability. Discrepancies must be corrected before the vehicle is used to transport explosives. Minor discrepancies not affecting safe operation of the vehicle, i.e., minor dents and scratches, dirty vehicle, etc., are excluded.

6.3.3. Vehicle operators must be qualified to operate the vehicle and be knowledgeable of the cargo being transported. Air Force civilian drivers must have a commercial driver's license, with a hazardous materials endorsement, to transport explosives and hazardous materials off a military installation.

6.3.4. Vehicles must have at least two 2A:10 B/C fire extinguishers that are easily accessible.

6.3.5. When H/D 1.1 explosives are transported, the fire department will be notified. Include the DoD class/division in the notification.

6.3.6. Explosive containers must be secured in the vehicle by tie-down straps, cargo nets, blocking or a similar method prior to movement. Munitions personnel will provide assistance in securing munitions for transportation to off base training sites.

6.3.7. Passengers will not ride in the cargo compartment of vehicles transporting explosives.

6.3.8. Open flames and smoking of any type are not allowed within 50 feet of a vehicle loaded with explosives.

6.3.9. The engine of a vehicle will not be running during load or unload operations. The parking brake will be set and the transmission must be placed in the park position. For standard transmissions, place the vehicle in the reverse gear. Chocks are required when the vehicle is parked and the driver is not behind the wheel.

6.3.10. Stopping off base, except for emergencies, is not authorized. Should it become necessary to stop, at least one person will remain with the vehicle, and it should be stopped 300 feet from public buildings, or as far away as possible.

6.3.11. When traveling off base, vehicles will be equipped with an emergency road kit.

6.3.12. Vehicles transporting explosives between Joint Base Charleston Air Base (JB CHS-AB) and Joint Base Charleston Weapons Station (JB CHS-WS) will be marked with the appropriate Department of Transportation (DoT) placard. (See [Attachment 2](#))

6.3.13. All vehicles will stop at railroad crossings then proceed with caution.

6.3.14. Explosives Route to and from JB CHS-WS: Exit Gate #2 only. Proceed to I-26 East/Aviation Interchange, then proceed on I-26 to I-526 East. Take I-526 East to Exit 20, Virginia Avenue, and then turn left on Virginia Avenue. Proceed on Virginia Avenue and turn left onto Remount Road. Drive 1/4 mile on Remount Road and turn right onto JB CHS-WS, Perimeter Road/Gate #4.

6.3.15. Munitions movements accessing public roadways must coordinate with the Base Traffic Management function prior to transport to ensure compliance with all regulatory requirements.

6.4. Explosive Emergency Procedures. In the event of a mishap involving explosives, all personnel will immediately cease training. All evidence will be preserved for an investigation. The very first number to call in emergencies is 9-1-1. The CRO or RSOs will contact:

6.4.1. The Base Defense Operations Center (BDOC) at 963-3600, Weapons Safety at 963-5595, Fire Department at 963-3777 and EOD at 963-1365/1367.

6.4.2. BDOC will make all appropriate notifications per the Quick Reaction Checklist (QRC).

6.4.3. Once BDOC completes QRC notifications, it will be determined if training can be resumed.

6.4.4. The CRO or RSOs will ensure the injured personnel's supervisor or flight chief is notified to initiate a Safety Mishap Report.

6.4.5. The CRO or RSOs will evacuate the area if a fire engulfs munitions.

6.5. In the event of an emergency such as a fire, a weapons incident mishap or unexploded ordnance or injury not involving explosives, all personnel will cease training. All evidence will be preserved for a possible investigation. Once BDOC completes QRC notifications, it will be determined if training can be resumed.

6.5.1. Render first aid to the injured and fight fires as applicable.

6.5.2. The CRO or RSOs will evaluate all minor injuries such as cuts or bruises prior to notifying BDOC.

6.5.3. The CRO or RSOs will contact BDOC on the Air Base at 963-3600 or on the Weapons Station at 794-7555, depending on the training site location.

6.5.4. The BDOC will make all appropriate notifications per QRCs.

6.5.5. The CRO or RSOs will ensure injured personnel's supervisor or flight chief is notified to initiate a Safety Mishap Report.

6.5.6. The CRO or RSOs will evacuate the area if a fire engulfs munitions.

6.6. If a person in the exercise area becomes injured or sick, their weapons and ammunition will be turned over to the CRO or RSOs for proper storage and turn in.

6.7. Risk Assessment. The Training NCOIC will ensure a risk assessment is on file which has been signed by the 628 SFS/CC and approved by the Weapons Safety Office (628 ABW/SEW) prior to conducting training events with explosives, dye marking munitions or blank ammunition.

7. Dye Marking Munitions Safety.

7.1. Only approved marked ammunition and properly modified weapons are authorized for use in the training area.

7.2. Rifle magazines loaded with FX/Unit Training Munitions (UTM) marking or blank ammunition will be clearly marked with blue tape, painted blue or made of blue material.

7.3. All weapons, equipment, conversion kits and marking ammunition will be maintained in strict accordance with the manufacturer's operation and maintenance manuals. All weapons will be fitted with FX/UTM marking ammunition kit or blank adapters.

7.4. Wear of Safety Equipment.

7.4.1. Force-on-Force Training. **All personnel** who participate in force-on-force dye-marking cartridge training (exercise participants, exercise supervisor or observers) **must wear** the mandatory safety equipment outlined in **Attachment 2**. Mandatory safety equipment includes single hearing protection, CCMCK face mask, standard combat helmet, standard gloves, standard goggles, groin protection and a single layer of clothing (e.g. Airman Battle Uniform (ABU), Navy Working Uniform (NWU), Department of the Air Force (DAF) Civilian Police Utility Uniform, or similar) with sleeves rolled down. Safety equipment must protect eyes, face, ears, throat, head, hands and groin.

7.4.2. Paper or Non-Human Targets. When training is limited to firing marking cartridges at paper or non-human targets, safety equipment for shooters may be limited to the following items; hearing protection, authorized uniform, gloves, and eye protection. The CRO and RSOs must wear hearing protection, eye protection, but other items are optional. During this type of training, CRO/RSOs will not allow students to point their weapons at other personnel or themselves for any reason. Safety rules and enforcement will be the same as when training with live ammunition.

7.4.3. If any mandatory safety equipment becomes dislodged during training, immediately cover the area with your hands, take cover or lay on the ground and call "CEASE FIRE." Do not remove any equipment until instructed to do so by a CRO or RSO.

7.5. Individuals do not need to be qualified on the weapon(s) used in dye-marking cartridge training as required under AFI 36-2654, except for the SF Shoot, Move and Communicate (SMC) Course. However, they must be trained on weapons safety and operator mechanical skills (e.g. loading, clearing, unloading, reloading, immediate action, ammunition identification/use, etc.). Additionally, all members must be suitable to bear firearms, and not placed in a "Do Not Arm" status as outlined IAW AFI 31-117, *Arming and Use of Force by Air Force Personnel*.

7.6. When the quantity or type of weapon, or the location of training requires the presence of an armed guard, the guard or weapon must be readily identifiable as having live ammunition. Consider the use of reflective vests or red tape for identification. All training participants must be aware of the means used to identify who is armed with live ammunition. Under no circumstances will armed personnel participate in training, including performing range safety official duties. Armed personnel will not be inside the training area and will be at least 75 feet outside of the entry point to the training area. Only the CRO or RSOs will approach the armed guard. Students will not interact with the guard at any time. A gear check will be conducted after any contact with the guard prior to entering the training area.

7.7. Maximum Effective Ranges using dye marking munitions:

7.7.1. Five point five six (5.56mm) 200 meters.

7.7.2. Nine (9mm) 152.4 meters.

7.7.3. Blank ammunition 20 feet.

8. Exercises and Training Involving Explosives Risk Assessment

8.1. This risk assessment is to identify the hazards involved with using munitions during training. This risk assessment was prepared in accordance with AFMAN 91-201, *Explosives Safety Standards*, paragraphs 7.26 and 7.27. The munitions listed below will be used during training. Only stock-listed items are authorized for use by personnel.

Table 1. The munitions listed below will be used during training

| Nomenclature | FSN/DODIC | Hazard Division | Net Explosive Weight |
|--------------------------------------|-----------------------------------|-----------------|----------------------|
| Ground Burst Simulator (GBS), M115A2 | 1370-L594 | 1.2.2G | 0.102054 |
| Ground Burst Simulator (GBS), M115A2 | 1370-L594 | 1.3G | 0.106461 |
| Grenade, Hand Smoke, Green, M18 | 1330-G940 | 1.4G | 0.720000 |
| Grenade, Hand Smoke, Red, M18 | 1330-G930, G940, G945, G950, G955 | 1.4G | 0.720000 |
| Cartridge, 5.56 Blank M200 | 1305-A080 | 1.4S | 0.001100 |
| Cartridge, .38 Cal Blank Special | 1305-A403 | 1.4S | 0.000600 |
| Cartridge, 5.56 Blue Marking | 1305-AB09 | 1.4S | 0.000120 |
| Cartridge, 5.56 Red Marking | 1305-AB10 | 1.4S | 0.000120 |
| Cartridge, 9MM Blue Marking | 1305-AB13 | 1.4S | 0.000077 |
| Cartridge, 9MM Red Marking | 1305-AB14 | 1.4S | 0.000077 |

8.2. Before using any explosives, personnel will be formally trained to prepare and activate the above devices, except simulated ammunition. GBS and smoke grenade training must be provided by qualified personnel on an annual basis before using these devices. Personnel using simulated ammunition or blanks must be familiar with all safety requirements and have a working knowledge of the weapon.

8.3. All munitions will be inventoried before issue and after completion of the training. All expended munitions and brass will be collected, and segregated from unexpended munitions. The munitions account custodian will document all expenditures to reconcile the account with the munitions issuing authority. Expended munitions/brass will be turned in to munitions issuing authority as soon as possible.

8.4. The training will take place in the following location(s), and Weapons Safety Office will be notified prior to training.

Table 2. Training Will Take Place in The Following Location(S).

| |
|---|
| Joint Base Charleston Air Base, ATSO Training Area |
| Joint Base Charleston Air Base, M203 Range |
| Joint Base Charleston Air Base, MWD Training Area (Blanks Only) |
| Joint Base Charleston Weapons Station, Training Areas/SF Shoot House. |

8.5. Blue/Red Marking ammunition requires a minimum safety area of 246 feet around the training area. If space is available, increase the safety area radius up to 984 feet. Ensure unrelated personnel do not enter the safety area. If unrelated personnel enter the safety area firing of weapons will cease until the unrelated personnel are removed from the safety area. Armed personnel with live ammunition will not be in the immediate area and must be at least 82 feet from the active training area.

8.6. The minimum separation distances listed below will be utilized as applicable.

Table 3. Ground Burst Simulators.

| | |
|--|----------|
| Hardened facilities and above-ground magazines | 50 feet |
| Facilities without facing windows and aircraft in the open | 100 feet |
| Personnel and vehicles | 125 feet |
| Facilities with facing windows and explosive loaded aircraft | 200 feet |
| Petroleum storage and explosive operating locations | 200 feet |

Table 4. Smoke Grenades.

| | |
|-----------|--------|
| Personnel | 6 feet |
|-----------|--------|

Table 5. Blank Ammunition.

| | |
|-----------|---------|
| Personnel | 20 feet |
|-----------|---------|

8.7. The munitions custodian and receiving trainee will ensure that only marking or blank ammunition is issued. A disinterested official will certify that only marking or blank ammunition is loaded into magazines. Magazines loaded with marking or blank ammunition will be clearly marked with blue tape or paint. All weapons will be fitted with marking ammunition kits or blank adapters.

8.8. The following misfire procedures will be utilized. In the event of a misfire, cease-fire, follow proper clearing procedures, and inspect the weapon. If the weapon continues to misfire, remove the weapon from use, document the discrepancy, weapon serial number and secure the weapon.

8.9. Failed to Function Procedures. Munitions that fail to function will be identified by visibly marking off the area and establishing an appropriate safe cordon no less than established separation distances. Cease all activity in the vicinity of the munitions and evacuate personnel to a safe distance. Notify EOD for failed to function or damaged munitions immediately for safety. EOD is the only agency authorized to handle or dispose of dud or damaged munitions.

8.10. Fire prevention procedures are as followed. Fire extinguishers will be readily available and located within reach for quick response. Remove combustible material from within a 10-foot radius of the initiation point for GBS. Monitor wind conditions. No smoking within 50 feet of packaged munitions and the point of issue.

8.11. In the event of an emergency/mishap, all personnel will cease training. Render first aid to the injured and fight fires, as applicable. Evacuate if fire engulfs munitions. Call 911 for all injuries or fire. Notify the following offices, as applicable.

Table 6. Notify the following offices, as applicable.

| Points of Contact | Air Base | Weapons Station |
|--|-----------------|------------------------|
| Command Post | 963-8400 | ----- |
| Fire Department | 963-3777 | *WS Dispatch |
| Security Forces | 963-3600 | *WS Dispatch |
| Weapons Safety *After hours, via Command Post | 963-5595 | 794-7515/7511 |
| EOD *via Command Post | 963-8400 | 843-963-8400 |

8.12. The following lists munitions hazards, fire withdraw distances, and required personnel protective equipment (PPE).

Table 7. Munitions hazards, fire withdraw distances, and required personnel protective equipment (PPE).

| Nomenclature | Hazards | Fire Withdraw Distance | PPE |
|--|---|------------------------|---|
| Ground Burst Simulator (GBS), M115A2 | Minor fragmentation, Moderate fire | 2,500 feet | Leather gloves, hearing protection, safety glasses |
| Colored Smoke Grenade | Moderate fire | 300 feet | Eye protection |
| Blue/Red Marking Cartridges | Moderate fire, Projectile hazard when service life has expired (24 month)** | 300 feet | CCMCK protective mask, groin protection, hearing protection, gloves, long sleeves, long pants, shoes (only when shooting at each other) All other times - Eye protection, hearing protection, and uniform |
| Blank Ammunition | Moderate fire | 300 feet | Eye and hearing protection |
| **Blue/Red Marking Cartridges with expired service life must not be used. | | | |

8.13. All personnel will be given a safety briefing prior to start of operations.

8.14. If there are any questions concerning this risk assessment, please direct them to 628 SFS Training section at (843)963-3633 or the Military Working Dog section at (843) 963-1308.

8.15. At no time will unrelated personnel be exposed to these hazards. The commander has been briefed and understands all the relative information involving hazards. By signing this OI, the commander approves this risk assessment.

TERRENCE A. ADAMS, Colonel, USAF
Commander

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFMAN 91-201_AMCSUP_I, *Explosive Safety Standards*, 1 December 2016

AFMAN 33-363, *Management of Records*, 2 June 2017

AFI 33-332, *Air Force Privacy and Civil Liberties Program*, 17 November 2016

DoDM 5200.01v4, *DoD Information Security Program: Controlled Unclassified Information*, 24 February 2012

AFI 33-360, *Publications and Forms Management*, 30 November 2016

AFI 36-2654, *Combat Arms Program*, 13 January 2016

T.O. 11W2-9-4-11, *Operators Manual for Close Combat Mission Capability Kit*, 16 February 2016
AFI 31-117, *Arming and Use of Force by Air Force Personnel*, 2 February 2016

AFMAN31-129, *USAF Small Arms and Light Weapons Handling Procedures*, 29 June 2016

Prescribed Forms

None.

Adopted Forms

AF Form 483, *Certificate of Competency*

AF Form 797, *Job Qualification Standard Continuation/Command JQS*
AF Form 847, *Recommendation for Change of Publication*

AF Form 1098, *Special Task Certification and Recurring Training*

AF Form 1800, *Operators Inspection Guide and Trouble Report*

Abbreviations and Acronyms

ABU—Airman Battle Uniform

AFMAN—Air Force Manual

AFI—Air Force Instruction

AFRIMS—Air Force Records Information Management System

ATSO—Ability to Survive and Operate

BDOC—Base Defense Operations Center

CCMCK—Close Combat Mission Capability

KitCONOPS—Continuity of Operations

CRO—Chief Range Officer

DAF—Department of the Air Force

DoD—Department of Defense
DODIC—Department of Defense Identification Code
DOT—Department of Transportation
EOD—Explosives Ordnance Disposal
FLETC—Federal Law Enforcement Training Center
GBS—Ground Burst Simulator
HC—Hazard Classification
IAW—In Accordance With
JB CHS AB—Joint Base Charleston Air Base
JB CHS WS—Joint Base Charleston Weapon Station
NCOIC—Noncommissioned Officer in Charge
NSN—National Stock Number
NWU—Navy Work Uniform
OPR—Office of Primary Responsibility
PPE—Personal Protective Equipment
QRC—Quick Reference Check List
RSO—Range Safety Officer
RDS—Records Disposition Schedule
SFS—Security Forces Squadron
SMC—Shoot, Move and Communicate
TO—Technical Order
UTM—Unit Training Munitions

Attachment 2

AUTHORIZED GROUND DEFENSE TRAINING MUNITIONS AND EQUIPMENT

Table A2.1. Authorized Ground Defense Training Munitions and Equipment.

| NOMENCLATURE | Department of Defense Identification Code (DODIC) | EXPLOSIVES WEIGHT* | CLASS/DIVISION FIRE SYMBOL# | DOT Placard # |
|--------------------------------------|---|--------------------|---|---------------|
| Small Arms Ammo (Blank) | | | | |
| 5.56mm | 1305-A080 | .0011 | 1.4 / 4 | 1.4 |
| 5.56mm Linked | 1305-A075 | .0011 | 1.4 / 4 | 1.4 |
| 7.62mm | 1305-A111 | .0022 | 1.4 / 4 | 1.4 |
| Small Arms Ammo (Dye Marking) | | | | |
| 5.56mm Blue | 1305-AB09 | .00009 | 1.4 | 1.4 |
| 5.56mm Red | 1305-AB10 | .00009 | 1.4 | 1.4 |
| 9mm Blue | 1305-AB13 | .00009 | 1.4 | 1.4 |
| 9mm Red | 1305-AB14 | .00009 | 1.4 | 1.4 |
| 5.56mm Linked Blue | 1305-AB16 | .00009 | 1.4 | 1.4 |
| 5.56mm Linked Red | 1305-AB17 | .00009 | 1.4 | 1.4 |
| Ground Burst Simulators | | | | |
| M115A2 | 1370-L594 | .14 | 1.2/2 Apply No Water | 1.2 |
| Hand Grenade Simulator | | | | |
| M116A1 | 1370-L601 | .08 | 1.3/3 Apply No Water | 1.3 |
| Smoke Grenade | | | | |
| M18 (Various Colors) | 1330-G930 G940-G945 G955 | .72 | 1.4/4 Apply No Water | 1.4 |
| Signal White Star | | | | |
| Parachute M127A1 | 1370-L312 | .18 | 1.3/3 Apply No Water Breathing Apparatus | 1.3 |

| | | | | |
|--|-------------------------|------|-------------------------|-----|
| 40mm Smoke | | | | |
| (Various Colors) | 1310-B506 B508, B509 | .22 | 1.4/4 Apply No Water | 1.4 |
| Trip Flare | | | | |
| M49A1 | 1370-L495 | .30 | 1.3/3 Apply No Water | 1.3 |
| Booby Trap | | | | |
| Simulator M119 | 1370-L600 | .010 | 1.3/3 Apply No Water | 1.3 |
| Signal Smoke & Illumination | | | | |
| MK 124-0 | 1370-L283 | .21 | 1.4/4 Apply No Water | 1.4 |
| * Per Item # Only the fire symbol for the highest hazard needs to be displayed. | | | | |

Table A2.2. Approved CCMCK Items per Appendix A, CCMCK Training CONOPS.

| Items Approved for Use and Purchase | | |
|--|--|--------------|
| National Stock Number (NSN) | NOMENCLATURE | NOTES |
| 6920-01-564-9657 | Training Device, Fire Dye Marking Ammo: M16/M4 | UTM |
| 6920-01-564-9656 | Training Device, Fire Dye Marking Ammo: M9 | FX |
| 6920-01-564-9658 | Training Device, Fire Dye Marking Ammo: M11 | FX |
| 6920-01-564-9655 | Training Device, Fire Dye Marking Ammo: M249 | UTM |
| 8415-99-359-9160 | Mask, Cold Weather | |
| 8464-01-328-8268 | Goggles, Sun, Wind and Dust | |
| 4240-01-6025906 | Any NSN Ballistic goggles from ESS | |
| 4240-01-612-0702 | Helmet Mounted Training Facial Protection Systems: Eye Tactical CM121, black, CM121-43 (1G6Y3) | |
| 4240-01-612-0696 | Helmet Mounted Training Facial Protection Systems: Eye Tactical CM121, tan, CM121-44 (1G6Y3) | |
| 4240-01-612-0690 | Helmet Mounted Training Facial Protection Systems: Eye Tactical CM121, green, CM121-45 (1G6Y3) | |
| 8415-20-005-2260 | Helmet, Safety: Simunitions FX9003, black, 8971960 (0YAE9) | |
| 8415-20-007-2548 | Helmet, Safety: Simunitions FX9003, tan, 8971962 (0YAE9) | |
| 8415-99-359-9160 | Mask, Cold Weather (Standard CCMCK Face Mask), 690304 (KE396) | |
| 8415-01-536-2037 | Any gloves issued, such as NSN impact issued gloves | |
| Approved Munitions (Centrally Procured - Cannot Local Purchase) | | |
| NSN (DODIC) | NOMENCLATURE | NOTES |
| 1305-01-536-7722 (AB14) | 9mm Red Marking Cartridge | |
| 1305-01-536-7721 (AB13) | 9mm Blue Marking Cartridge | |
| 1305-01-537-1521 (AB16) | 5.56 Blue Linked Marking Cartridge: M249 Only | |
| 1305-01-537-1522 | 5.56 Red Linked Marking Cartridge: M249 Only | |

| | | |
|---|--|--|
| (AB17) | | |
| 1305-01-536-5822 (AB09) | 5.56 Blue Marking Cartridge: M4/M16 Only | |
| 1305-01-536-5827 (AB10) | 5.56 Red Marking Cartridge: M4/M16 Only | |
| <p>Notes:</p> <ol style="list-style-type: none"> 1. Cartridges from different manufacturers are not interchangeable and may not be used in other manufacturer's adapters. 2. The AF is not procuring the yellow marking cartridges in either 5.56mm or 9mm; therefore, these rounds are not available to AF users. | | |

Figure A2.1. CMCK mask, gloves, goggles, helmet, ear pro, groin protection.

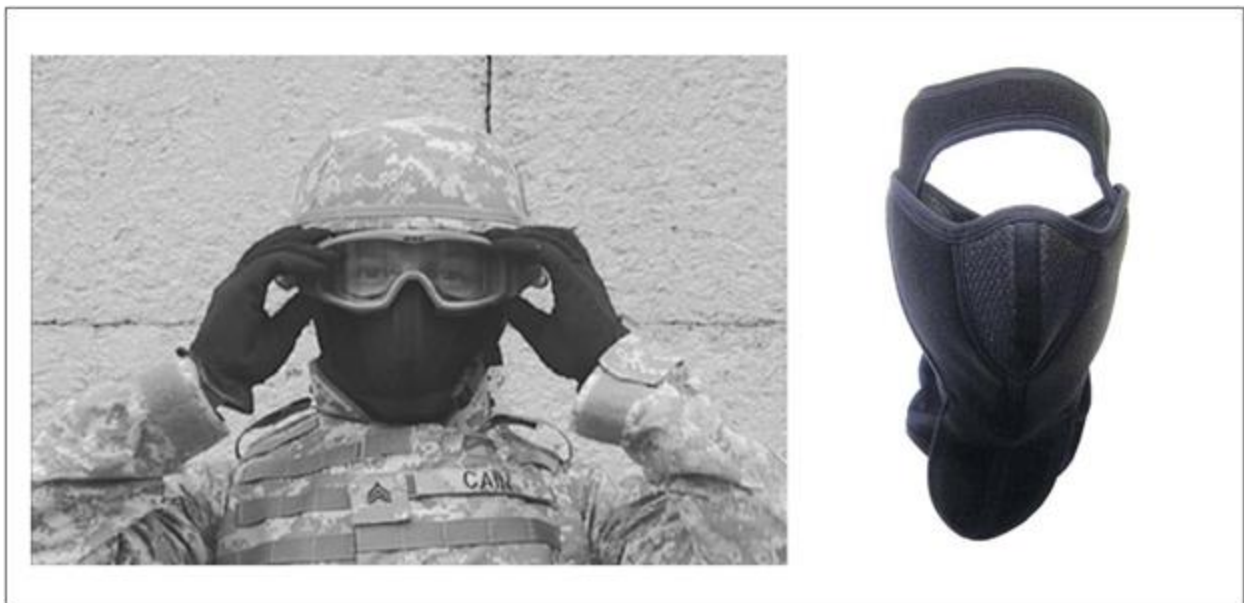


Figure A2.2. FX and UTM approved ammunition types.



Attachment 3

TRAINING MUNITIONS PRECAUTIONS AND HANDLING PROCEDURES

A3.1. The CRO or RSOs will ensure they verbally ask each person entering the training area if they have any live ammunition prior to allowing entry. Also, at least one communications device must be readily available in case of emergency.

A3.1.1. **General Precautions.** The safety briefing will be given by the CRO.

A3.1.1.1. All munitions will be under the direct control of the CRO. All munitions, to include blanks, will be issued only at the training site.

A3.2. Issue and Control. Individuals are accountable for each munitions item issued.

A3.2.1. The CRO or RSOs will check all pockets, web gear, and personal equipment to ensure no live ammunition is introduced into the training area.

A3.2.2. During blank/dye marking ammunition issue, the munitions custodian, either the CRO or an RSO and the individual receiving the munitions will inspect all rounds to ensure no live ammunition is being issued.

A3.2.3. Munitions will not be carried in such a manner where they will be dropped or lost without the knowledge of the individual. Munitions will not be hidden for later use.

A3.2.4. Pyrotechnics burn with intense heat. Care will be taken when used around personnel and/or dry vegetation.

A3.2.5. In case of fire, the code word "CHICAGO" will be sounded.

A3.2.6. Munitions will be used only within designated training areas.

A3.2.7. Be alert for unexploded munitions inadvertently left from previous exercises. If a UXO or malfunction is detected, report the location to the CRO or RSO and notify EOD. Only EOD personnel will handle unexploded munitions. If an asset malfunctions or a UXO is detected, follow procedures in attachment 6.

A3.3. Safety Precautions and Functioning Procedures. In the event you witness an unsafe act, a "CEASE FIRE, CEASE FIRE, CEASE FIRE!!!" will be sounded. The training scenario will cease until the safety discrepancy is corrected.

A3.3.1. Report all munitions that fail to function to the CRO or RSO.

A3.3.2. All munitions residue (expended munitions/pyrotechnics) will be collected and turned into the munitions custodian.

A3.3.3. Unauthorized "modification" of munitions is strictly PROHIBITED.

A3.3.4. The firing of blanks/dye marking munitions will not be conducted outside of the training area.

A3.3.5. No attempt will be made to fire blank ammunition without a blank adapter being properly installed on each weapon. Furthermore, no attempt will be made to fire dye marking munitions without the proper conversion kits.

A3.3.6. Weapons safety/handling procedures IAW AFMAN 31-129, *USAF Small Arms and Light Weapons Handling Procedures*, will be observed at all times.

A3.3.7. Weapons will be cleared prior to the initiation of the exercise and upon completion of the exercise at clearing area designated by and under supervision of the CRO or RSO.

A3.3.8. All personnel will check their ammunition, equipment and weapons for safety discrepancies.

A3.3.9. Weapons will not be fired if personnel are within the required safety distance.

A3.3.10. All personnel will wear appropriate safety gear.

A3.3.11. Ensure exercise participants understand all safety precautions and there are no questions.

A3.4. Pyrotechnic Handling Procedures.

A3.4.1. Ground Burst Simulator M115A2 and Hand Grenade Simulator M116A1.

A3.4.1.1. Do not remove simulator safety clip until immediately prior to use. User will wear leather-palmed gloves.

A3.4.1.2. Remove simulator safety clip.

A3.4.1.3. Carefully pull off the cap of the fuse lighter until the cord is free.

A3.4.1.4. Grasp the simulator in the throwing hand and hold it away from the body.

A3.4.1.5. Never pull the cord more than once or attempt to determine if fuse delay has activated. Always throw the simulator immediately after pulling the cord.

A3.4.1.6. With the other hand, jerk the cord once. If the fuse assembly separates from the body, place the simulator aside and mark the location (Do not carry).

A3.4.1.7. Ground Burst/Hand Grenade simulators will not be used within 125 feet of personnel, due to the extreme danger from gravel, sticks, and other debris that may be projected at high velocities. Personnel who initiate these munitions may be closer than 125 feet, but they should be as close to 125 feet away as possible and have their back to the munitions. Dry vegetation may also be easily ignited.

A3.4.1.8. Immediately throw the simulator, ensuring personnel are not closer than absolutely necessary. Avoid hitting trees or other obstacles that may deflect the simulator.

A3.4.1.9. If a simulator fails to function, every attempt will be made to mark the area and the CRO/RSO will be notified. Do not disturb the simulator.

A3.4.2. Smoke Grenades M18 Series.

A3.4.2.1. Do not pull ring when lifting or handling the smoke grenade.

A3.4.2.2. Remove grenade from fiber container by placing palm of throwing hand over grenade fuse and turning bottom of fiber container upside down.

A3.4.2.3. Carefully allow the grenade to slide out of the container ensuring the thumb is placed over the safety lever before it clears the container.

A3.4.2.4. Do not pull the ring for lifting or handling the smoke grenade.

A3.4.2.5. Pull the safety pin only immediately before use. When pulling the safety pin, do not hold the grenade against the body.

A3.4.2.6. Smoke grenades burn at high temperatures. Care must be taken when using around dry vegetation and personnel.

A3.4.2.7. When throwing, avoid hitting trees or other obstacles that may deflect the grenade.

A3.4.2.8. Once the safety pin is pulled, the smoke grenade must be employed. Do not attempt to replace the safety pin or tape handle.

A3.4.3. Ground Illumination Signals.

A3.4.3.1. If the metal container is bent, do not open it. Put it aside and mark its location.

A3.4.3.2. Open the metal shipping container and remove the signal, ensuring the signal is not dropped.

A3.4.3.3. Before firing the ground illumination, inspect the primer and firing cap for damage or wear.

A3.4.3.4. Place the signal in your left or right hand with the capped end pointing upward.

A3.4.3.5. Remove the firing cap and slide it on the end with the red ring until the top edge of the firing cap makes contact with the bottom edge of the red ring.

A3.4.3.6. Fully extend the arm and hand holding the flare away from your body; the signal will be pointed upward at approximately 85 degrees; your holding hand will be on the gummed label.

A3.4.3.7. Fire signal in clear area only. Do not attempt to fire through trees. Signals will not be fired when winds exceed 15mph.

A3.4.3.8. Keeping the holding arm and hand firm. Strike the cap with the open palm of the free hand.

A3.4.3.9. If a signal fails to function, do not look into the open end of the signal. Keep the holding arm and hand firm. With the free hand, slide the firing cap down until the red ring is visible. With the open palm of the free hand, strike the cap again. Should the signal fail to function a second time, place on the ground and mark location.

A3.4.4. Trip Flares.

A3.4.4.1. Trip flares burn at a very high temperature. Select an area that is free of dry vegetation. Trip flares will never be used for illumination grenades.

A3.4.4.2. Trip Flare installation:

A3.4.4.2.1. Installation on tree or board.

A3.4.4.2.1.1. Loosen both wing nuts and slide flare upward through the bracket.

A3.4.4.2.1.2. Place flare aside.

A3.4.4.2.1.3. Mount bracket vertically with nails provided.

A3.4.4.2.1.4. Mount flare by aligning lever with trigger pivot and sliding flare downward into the bracket until bottom edge of lever is no more than 1/16 inch above the bracket but not past it.

A3.4.4.2.1.5. Tighten wing nuts.

A3.4.4.2.1.6. Perform arming procedures.

A3.4.4.2.2. Installation on a post.

A3.4.4.2.2.1. Post should be approximately 1 ½ inches in diameter.

A3.4.4.2.2.2. Loosen wing nuts and slide flare upwards until base of flare is aligned with top of slot or above.

A3.4.4.2.2.3. Tighten upper wing nut.

A3.4.4.2.2.4. Slide bracket into post.

A3.4.4.2.2.5. Tighten lower wing nut.

A3.4.4.2.2.6. Perform arming procedures.

A3.4.4.2.3. Installation on the ground.

A3.4.4.2.3.1. Remove lower wing nut and bolt.

A3.4.4.2.3.2. Loosen upper wing nut and slide flare upward through the bracket.

A3.4.4.2.3.3. Place flare aside.

A3.4.4.2.3.4. Force pointed end of bracket into the ground.

A3.4.4.2.3.5. Replace flare and tighten upper wing nut.

A3.4.4.3. Perform Trip Flare Arming Procedures.

A3.4.4.3.1. Only two individuals will perform arming operation. All other personnel will remain clear.

A3.4.4.3.2. Method 1- Bracket Trigger Assembly.

A3.4.4.3.2.1. Fasten one end of trip wire to a rigid object at desired distance from flare and to the right of the flare.

A3.4.4.3.2.2. Press lever down against flare with one hand. With other hand, rotate trigger 1/4 turn counter-clockwise against spring pressure to vertical position so the lower end of lever is behind tongue of trigger.

A3.4.4.3.2.3. Pull loose end of wire tight and fasten to hole in lower end of trigger.

A3.4.4.3.2.4. Hold lever with one hand and carefully remove safety clip assembly.

A3.4.4.3.2.5. Slowly release hold on lever. If tongue of trigger does not hold lever, replace the safety clip and repeat steps.

A3.4.4.3.3. Method 2 - Pull Pin.

A3.4.4.3.3.1. Fasten one end of trip wire to a rigid object at desired distance from flare.

A3.4.4.3.3.2. Do not release lever with safety clip assembly removed until pull pin is installed. Flare will ignite.

A3.4.4.3.3.3. Press lever down with one hand and remove safety clip assembly.

A3.4.4.3.3.4. Insert pull pin through two safety clip holes of the cover loading assembly.

A3.4.4.3.3.5. Pull loose end of trip wire tight and fasten to pull pin.

A3.4.4.3.3.6. Ensure the pull pin is retained in the safety clip holes by the lever.

A3.4.4.3.3.7. Carefully release the hold on the lever.

A3.4.4.3.3.8. After installation, positive procedures must be established to ensure no individual is allowed within 20 feet of a "live" trip flare.

A3.4.4.3.3.9. Exact location of flare must be plotted.

A3.4.4.4. Performing Trip Flare De-arming Procedures.

A3.4.4.4.1. Carefully depress lever against flare body.

A3.4.4.4.2. If pull pin was used as method of arming, remove pull pin.

A3.4.4.4.3. Use only safety clip holes in cover loading assembly when reassembling the safety clip.

A3.4.4.4.4. Secure lever by inserting one end of safety clip through one of the safety clip holes of cover loading assembly; snap other end of safety clip into the other safety clip hole, then remove wire from pull pin.

A3.4.4.4.5. If bracket trigger assembly was used, perform step (4.4.3.3) above and remove wire from trigger.

A3.4.5. Simulator, Booby Trap, Whistling M119.

A3.4.5.1. Booby traps do not have a delay fuse. Do not activate while holding in your hand.

A3.4.5.2. Installation.

A3.4.5.2.1. Select two trees, stakes, or other objects to which a tripwire can be fastened so the wire will extend across the path to be trapped.

A3.4.5.2.2. Drive a nail into one tree approximately six inches above the ground.

A3.4.5.2.3. Drive a staple at a convenient height above the nail.

A3.4.5.2.4. Drive a second staple approximately 20 inches above the first staple (2 ½ times overall spring length).

A3.4.5.2.5. Drive a third staple into the second tree approximately six inches above the ground.

A3.4.5.2.6. Make a loop in one end of the wire and pass it downward through the top staple on the first tree.

A3.4.5.2.7. Hook one end of the spring on the loop and the other end on the lower staple.

A3.4.5.2.8. Extend the spring upward to approximately one-inch below the top staple, while keeping the wire taut. A nail may temporarily be used to hold the spring in the extended position.

A3.4.5.2.9. Keeping the spring extended and the wire taut, run the wire as follows:

A3.4.5.2.9.1. Turn it through 180 degrees against resistance of one prong on the top staple.

A3.4.5.2.9.2. Run it downward parallel to the spring.

A3.4.5.2.9.3. Turn it 90 degrees against resistance of the bottom nail and across to the second tree.

A3.4.5.2.10. Fasten the trip wire to the second tree as follows:

A3.4.5.2.10.1. Keeping the spring extended and wire taut, wrap the wire around the nail just below its head.

A3.4.5.2.10.2. Wedge the nail between the staple mentioned in paragraph 4.5.2.2 and the tree so the nail is held by the friction of the staple and the tree to ensure a taut and secure trip wire.

A3.4.5.2.10.3. If a nail was used to hold the extended spring in position, the spring must be released when both ends of the trip wire have been fastened in place.

A3.4.5.2.10.4. Carefully remove the tape securing the cap. Remove the cap from the simulator and tie the pull cord to the hook at the upper end of the spring. Nail the simulator in position directly above the spring.

A3.4.6. Signal, Smoke and Illumination MK 124-0.

A3.4.6.1. Do not point signal towards yourself when activating.

A3.4.6.2. Remove the cap from the end to be ignited.

A3.4.6.3. Flip the pull ring over the signal rim.

A3.4.6.4. Push the ring down to break the seal.

A3.4.6.5. If the seal does not break, push the ring until it bends against the case.

A3.4.6.6. Flip the bent ring back to the original position and use it as a lever to break the seal.

A3.4.6.7. Ignite the signal by a quick pull on the ring.

A3.4.6.8. Hold it at arms-length from the 45 degrees horizontal.

A3.4.6.9. Other end of signal not activated is still "live." Do not discard.

A3.4.6.10. After using, place signal aside to cool. If not used immediately, place in ammo can, mark proper contents, and return to the munitions custodian.

A3.4.7. 40mm Smoke Grenade Cartridges.

A3.4.7.1. Only personnel currently qualified to fire the M203 grenade launcher will be issued 40mm smoke grenades.

A3.4.7.2. Do not load launcher until ready to fire.

A3.4.7.3. Load and lock 40mm smoke grenade in grenade launcher.

A3.4.7.4. Do not attempt to fire through trees.

A3.4.7.5. Grenade launcher will not be pointed directly at personnel.

A3.4.7.6. In the event a cartridge fails to fire, follow procedures listed below:

A3.4.7.6.1. Wait 30 seconds. Keep weapon pointed in a safe direction.

A3.4.7.6.2. Attempt to fire again. If cartridge still does not fire, wait 30 seconds and remove the cartridge from the launcher.

A3.4.7.6.3. Check primer for indentation. If dented, set cartridge aside and mark location.

A3.4.7.6.4. If the primer is not dented, the cartridge may be fired in another weapon.

Attachment 4

SAFETY/SCENARIO BRIEFING

A4.1. All weapons used in this training scenario will: Have the proper weapons conversion kits installed. Standard weapons safety and handling will be adhered.

A4.2. All personnel are restricted from using munitions other than: That ammunition issued by the training staff. Appropriate ammunition will be loaded in properly approved magazines in the training area only.

A4.3. Magazines issued by training cadre are: The only magazines authorized in the training area. Ammunition will not be loaded into magazines until training is ready to commence.

A4.4. Report all unexploded or unused training munitions to the training staff. Do not pick up or touch unexploded explosives.

A4.5. All personnel will report any unsafe condition, equipment, material or injuries to the training staff immediately. All training will stop and crime scene procedures will immediately be implemented. In the event you witness an unsafe act, a “CEASE FIRE, CEASE FIRE, CEASE FIRE!!!” will be sounded. If a fire is observed, “CHICAGO!!!” will be sounded. If a “CEASE FIRE” or “CHICAGO” is sounded, all personnel will immediately stop training, put their weapon on safe/decock, point their weapon in a safe direction, and wait for further instructions. If you hear “CEASE FIRE” or “CHICAGO,” you must echo the command.

A4.6. Minimum engagement distance: When using in converted weapons is one (1) foot for 9mm ammunition, six (6) feet for 5.56mm ammunition with dye marking rounds and twenty (20) feet for blank ammunition. Intentional shots above the neck during force-on-force training are not authorized. Shooters will not intentionally fire at the head or face of other personnel.

A4.7. All personnel will check ammunition, equipment, and weapons they receive from someone else for any safety problem or ammunition. Ensure the weapon is pointed at an earthen surface, ensure the muzzle is pointed away from all personnel and resources, then clear out the weapon. Once the weapon has been verified as being free of ammunition or obstructions, only then will it be safe for use in the training area.

A4.8. After completion of any training scenario, the training staff will ensure all personnel clear out their weapons and ensure they are empty. All personnel will physically check their pockets, magazines, magazine pouches/tactical vest, and all gear prior to leaving the training area for any ammunition.

A4.9. Upon return from the training area, and prior to weapons turn in: All weapons must be cleaned and cleared out at approved clearing barrel areas.

A4.10. All personnel who participate in force-on-force training must wear the mandatory safety equipment outlined in Attachment 1. Mandatory safety equipment includes single hearing protection, CCMCK face mask, standard combat helmet, standard gloves, standard goggles, groin protection and a single layer of clothing (e.g. ABU, NWU, DAF Civilian Police Utility Uniform, or similar) with sleeves rolled down. Safety equipment must protect eyes, face, ears, throat, head, hands and groin.

A4.11. If any mandatory safety equipment becomes dislodged during training: Immediately cover the area with your hands, drop to your knees or lay in the prone position and sound out “CEASE FIRE, CEASE FIRE, CEASE FIRE!!!” DO NOT remove any equipment or move until instructed to do so.

A4.12. When training is limited to firing at paper or at a non-human targets: Safety equipment for shooters may be limited to the following items: single hearing protection, authorized uniform, gloves, and eye protection. The CRO and RSOs must wear eye protection, hearing protection and a uniform. You will not point your weapons at other personnel or yourself for any reason. Safety rules and enforcement will be the same as when training with live ammunition

A4.13. The CRO and RSOs are the only people who can grant permission for: The training cycle to begin by announcing the area is “HOT.” When the training staff tells you to load, point your weapons in a safe direction, charge it, re-holster/sling the weapon, and prepare for the scenario.

A4.14. At no time will any participating personnel remove any safety equipment until: The area has been called “COLD” by the CRO or RSOs. A full accounting of personnel and all weapons will be cleared before the area is called “COLD.”

A4.15. If severe weather or unsafe conditions arise, stand by for instructions from the CRO or RSOs. If lightning is within 5 nautical miles or an unsafe condition arises, training will be rescheduled or cancelled until a safe training environment has returned.

A4.16. The exercise/training area limits are: _____. The entrance/exit for the training area is located at _____.

A4.17. Your Chief Range Officer for today is: _____.

A4.18. Your Range Safety Officers for today is/are: _____.

A4.19. Has anyone consumed alcohol or medications within 8 hours of training: Are under medical care or have profiles with could affect training, have any physical or mental reasons which could prevent a safe training environment or feel they cannot perform the training?

A4.20. Visitors are non-essential personnel with limited access: IAW AFMAN 91-201. All operations will stop when visitors are present. Once visitors either depart or are equipped with proper PPE gear, the CRO will determine if training can resume.

Attachment 5

SCENARIO EXECUTION

Figure A5.1. Scenario Execution.

| Who | Item |
|---------------|---|
| CRO | 1. Give safety brief. |
| CRO and RSOs | 2. Conduct safety inspection of all training staff. |
| RSOs | 3. Bring students to entrance of safe zone for inspection. |
| RSOs | 4. Conduct safety inspection of students, support personnel, equipment and vehicles (if applicable). |
| RSOs | 5. Brief personnel on position for scenario. |
| CRO | 6. Prepare all weapons and issue un-loaded weapons and/or gear to support if needed. |
| RSOs | 7. Conduct first safety check. All personnel within the exercise/training put masks on until range is called cold. Role-players weapons are not loaded yet. When satisfied that everyone is briefed, wearing all necessary protective equipment and the training area is secure, the CRO will call the range "HOT." |
| RSOs | 8. Answer any final questions students may have. |
| RSOs | 9. Have students face in safe direction and load weapons. Begin scenario. |
| CROs | 10. The CRO positions his/herself to monitor the scenario for safety violations. The CRO is not an active participant in the scenario. If there is a safety violation, a "CEASE FIRE" or "CHICAGO" will be shouted. |
| RSOs | 11. Monitor the scenario for safety issues and ensures training objectives are met. End the scenario by shouting "CEASE FIRE" and "EVERYONE COME TO THE SOUND OF MY VOICE." All masks stay on. Check for injuries. |
| ALL | 12. Instruct all personnel with weapons to face in a safe direction and clear their weapons. Account for all personnel, weapons and equipment. All items must be accounted for and checked by the CRO and RSOs. The CRO will call the range "COLD." All personnel may then remove their masks. |
| RSOs | 13. Conduct debrief/after action review. |
| CROs and RSOs | 14. Once all training is complete, account for all weapons, magazines, and equipment before personnel leave the training area. Ensure area is cleaned up of all brass and trash. |
| CROs | 15. Ensure once weapons have left the training area, they are cleared out at an official clearing barrel. |