

**BY ORDER OF THE COMMANDER
TINKER AIR FORCE BASE**

**TINKER AIR FORCE BASE
INSTRUCTION 36-2601**



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Personnel

DYE MARKER CARTRIDGE TRAINING

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction is directive in nature and implements AFI 36-2646, *Security Forces Training and Standardization Evaluation Programs* and outlines procedures in accordance with Technical Order (TO) 11W2-9-4-11 and the Close Combat Mission Capability Kit (CCMCK) Training Concept of Operations (CONOPS). All requirements identified must be met. All task items identified in the TO and/or CCMCK CONOPS will have precedence over this instruction. This instruction must be coordinated with the Wing Safety office and approved by the Installation Commander. A copy of this instruction, TO 11W2-9-4-11, CCMCK CONOPS, risk matrix and lesson plan/course of fire must be available in the training area. Step by step procedures for task accomplishment are identified in this instruction and the course of fire. Failure to comply with this publication is punishable under Article 92 of the UCMJ. The terms “must”, “shall” and “will” denote mandatory actions in this instruction. This publication requires the collection of information/data meeting criteria set forth in AFI 33-332, *Air Force Privacy and Civil Liberties Program*, Air Force Privacy Act Systems Notice F031 AF SP O, *Documentation for Identification and Entry Authority* and is subject to the Privacy Act of 1974. The maintenance, collection, use, or dissemination of any information herein for a system of records subject to the Privacy Act of 1974 is authorized under 10 U.S.C. 8012, unless otherwise specified. Ensure that all records created as a result of processes prescribed in this publication are maintained IAW AFMAN 33-363, *Management of Records*, and disposed of IAW the Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS). Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF FM 847, *Recommendation for Change of Publication*. This instruction is not applicable to Guard and Reserve units. This publication may not be supplemented or further implemented/extended, nor will it be waived. The use of the name or

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1. Roles and Responsibilities

1.1. This instruction applies to all personnel assigned to Tinker Air Force Base, OK who are utilizing dye marking cartridges for shoot-move-communicate, force-on-force, and active shooter battle drills.

2. Range Safety Officer Responsibilities. As a minimum, each training session will have at least two Range Safety Officers (RSO) present. One will be in charge of the training session and designated as officer in charge. The RSOs are responsible to ensure all training is conducted safely and IAW TO 11W2-9-4-11, Change 1. This instruction will be used to meet requirements and ensure a safe training session is accomplished. The RSOs must be an E-5 or above and will:

2.1. Complete an Air Force approved Marking Cartridge (MC) supervisor safety course or has been trained by a certified trainer that has graduated from such a course.

2.2. Select only approved exercise areas and notify the following agencies prior to the commencement of training:

2.2.1. Fire Dept.

2.2.2. Ambulance Service.

2.2.3. Base Defense Operations Center.

2.2.4. Base Safety.

2.3. Inspect the exercise area before and after each training session for any objects, obstacles or lethal munitions that pose a threat or safety hazard. Training will not be conducted until all safety issues have been corrected.

2.4. Ensure a copy of this instruction, TO 11W2-9-4-11, CCMCK CONOPS, risk matrix and lesson plan are available in the training area.

2.5. Supervise the installation and recovery of M16A2/M4 conversion kits to ensure no fully functional weapons are introduced into the training area as identified in TO 11W2-9-4-11, Chapter 3. All trouble shooting of weapon malfunctions will be conducted IAW TO 11W2-9-4-11, Chapter 7.

2.6. Account for the safe storage/handling, verification, accountability and issuance of marking cartridges, weapons and other training aids.

2.7. Appoint additional training cadre members and support personnel to be used during each days training scenarios.

2.8. Appoint range/exercise area guard(s) to control access to specific training zones. Guards must be educated on their duties prior to the start of any training session. Additional guards may be appointed and must be briefed if used.

2.9. Determine and designate when and how the range/training zone is considered "HOT" and "COLD."

2.10. Conduct a safety briefing before each training session to all trainees, trainers, support personnel and spectators. Ensure the following is briefed:

2.10.1. Safety concerns identified on the risk matrix.

2.10.2. Evacuation points in case of an emergency. These evacuation points will be established the day of training and based on wind direction and amount of MC ammunition present. As a minimum, the evacuation point must be 100 meters outside the location of the Safety Zone.

2.10.3. Areas designated safe and unsafe for ground safety purposes.

3. Exercise Areas.

3.1. Exercise areas, at a minimum, will be established IAW TO 11W2-9-4-11 page 2-2. The only allowable exercise areas for MC training is the old refuse area located adjacent to Bldg 1095 (north of the 507 SFS), and Bldg 4031/surrounding area located in the compound off of Post Rd. All exercise areas are to be divided into three "zones" on the day of training as identified below:

3.1.1. Training Zone. This is the live fire area. All safety equipment as identified in paragraph 3.1 must be worn prior to entering and throughout the training scenario or until the area is considered "COLD". Only admit the minimum number of personnel bearing the maximum load out required to conduct training. At no time will more than 15 personnel per RSO be permitted in the area. Max ammunition load out for this area is 245 rounds of 5.56 MC ammunition (NSN 6920-01-564-9657), and 10 rounds of 9mm MC ammunition (NSN 6920-01-564-9656) per person. Personnel must not remain in this area unless required for the training being conducted. This area will be supervised by an RSO.

3.1.2. Safety Zone. This is a 75 meter buffer area where all briefings, gear storage, and scenario preparation takes place. This zone must be separated from the no play zone by a physical demarcation to preclude the introduction of non-players. Safety equipment as identified in paragraph 3.1 is required to be worn in this zone if the training zone is "HOT". All preparation to include loading of magazines and weapon inspections occurs in this area. Only personnel preparing to enter the Training Zone, support personnel and RSOs are permitted in this area when the Training Zone is "HOT". Any MC ammunition awaiting expenditure is stored in this area.

3.1.3. No Play Zone. This is an area outside of the 75 meter buffer area where personnel can rest and observe training without safety gear.

3.1.4. A fire extinguisher will be made available in each of the three areas. If the area is an outdoor grassy area, a water based fire extinguisher will be used. If the area is an indoor area, a 2A:10B/C fire extinguisher will be used. Do not fight a fire if the MC ammunition is engulfed in fire. Evacuate to the predesignated points and notify the offices in paragraph 1.1.2.

3.1.5. Prior to transporting MC ammunition to the old refuse area and Bldg 4031 the offices in paragraph 1.2 must be notified. Brief these offices on the time of the munitions movement, location of training, amount and type of ammunition. Notify these same offices when completed. MC ammunition must be secured in the vehicle to preclude

spillage. No HAZMAT signs are required unless the total weight of ammunition exceeds 1000 lbs.

3.2. When using MCs, the wear of the Personnel Protective Equipment (PPE) and initiation of the following safety procedures is MANDATORY, as identified in TO 11W2-9-4-11, Chapter 2:

3.2.1. Full-face protection to include CCMCK Face Mask (NSN 8415-99-359-9160) and Sun, Wind and Dust Goggles (NSN 8465-01-328-8268).

3.2.2. Helmet with functioning chin strap (snapped and secured).

3.2.3. Hearing protection.

3.2.4. Groin protection (cup or padding).

3.2.5. Sleeves must be rolled down.

3.2.6. Gloves that allow full dexterity of all fingers must be worn by all individuals during training.

3.2.7. If the serviceability of any safety equipment is in question have a RSO inspect the equipment. If the PPE is found unserviceable it shall be removed from service and disposed of IAW local procedures.

3.2.8. All personnel within the training zone, to include instructors, safety observers and participants, whether viewing or training, must wear all mandatory PPE. This does not apply to individuals who are outside the training area in the No Play Area.

3.2.9. Students/trainees will be briefed that if any mandatory safety equipment comes off during training to immediately cover the area with their hands, take a knee and call "CEASE FIRE." Trainees must not attempt to remove or replace any safety equipment until instructed to do so.

STEPHANIE P. WILSON, Colonel, USAF
Commander

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

Technical Order (TO) 11W2-9-4-11, *Training Device, Fire Dye Marking Ammo: M16/M4*, 13 Mar 09.

Close Combat Mission Capability Kit (CCMCK) Training Concept of Operations (CONOPS), 1 Feb 14.

Security Forces Shoot, *Move And Communicate (SMC) Course of Fire*, 1 Jan 10.

AFI 36-2646, *Security Forces Training and Standardization Evaluation Programs*, 13 Apr 2012

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

AFRIMS—Air Force Records Information Management System

CCMCK—Close Combat Mission Capability Kit

CONOPS—Concept of Operations

MC—Marking Cartridge

PPE—Personnel Protective Equipment

RSO—Range Safety Officer

TO—Technical Order