

**BY ORDER OF THE COMMANDER
YOKOTA AIR BASE**

**YOKOTA AIR BASE INSTRUCTION
36-2655**



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Personnel**

**CLOSE COMBAT MISSION
CAPABILITY KIT (CCMCK)
TRAINING AND EXERCISES**

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This instruction implements procedures in accordance with (IAW) Air Force Manual (AFMAN) 36-2655, *USAF Small Arms and Light Weapons Qualification Programs*, establishing procedures for the use of the Close Combat Mission Capability Kit (CCMCK) training device at Yokota Air Base, Japan. All requirements identified must be met. All task items identified in the Technical Order (TO) and/or CCMCK Concept of Operations (CONOPS) will have precedence over this instruction. A copy of this operating instruction, TO 11W2-9-4-11, *Technical Manual Operator's Manual for Close Combat Mission Capability Kit (CCMCK)*, CCMCK CONOPS, and lesson plan/course of fire must be available in the training area. Step by step procedures for task accomplishment is identified in this instruction and the course of fire. Failure to comply with this publication is punishable under Article 92 of the Uniform Code of Military Justice (UCMJ). The terms "must", "shall", and "will" denote mandatory actions in this operating instruction. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Forms 847 from the field through the appropriate functional chain of command. Ensure that all records created as a result of processes prescribed in this publication are maintained IAW Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of IAW Air Force Records Disposition Schedule (RDS) located in the Air Force Records Information Management System (AFRIMS).

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Chapter 1

INTRODUCTION

1.1. Purpose. Authorize Yokota Air Base (YAB) personnel to use AF Non-Nuclear Munitions Safety Board (NNMSB)-approved small arms dye-marking cartridges and Close Combat Mission Capability Kits (CCMCK) to conduct force-on-force and Shoot, Move, and Communicate (SMC) training. IAW Air Force Instruction (AFI) 36-2654, *Combat Arms Program*, Security Forces, Battlefield Airmen AFSCs and others directed by their AFCFM are additionally required to complete mandatory unit live-fire sustainment training 5 to 7 months after completion of qualification training on their primary weapon(s). Security Forces personnel with an arming requirement to carry the carbine/rifle must complete the Security Forces SMC course to meet this requirement. If an individual, who has been identified in USAF Arming Group A, listed in AFI 31-117, *Arming and Use of Force by Air Force Personnel*, paragraph 2.2, requires unit live-fire sustainment training fails to complete this training before the first day of the eighth month after qualification, they may not be armed with their primary weapon(s) until they satisfactorily complete sustainment training.

1.2. Responsibilities. The provisions of this instructions will be in compliance with AFI 36-2654, AFMAN 36-2655, CCMCK Training Concept of Operations (CONOPS), and AF Technical Order (TO) 11W2-9-4-11, *Technical Manual Operator's Manual for Close Combat Mission Capability Kit*. In the event of any differences in procedures between the CCMCK, TO and CCMCK CONOPS, the guidance in the CCMCK CONOPS takes precedence.

1.2.1. During conduct of training, range/training officials must have a copy of the following at the training location:

1.2.1.1. CCMCK TO 11W2-9-4-11

1.2.1.2. CCMCK CONOPS

1.2.1.3. Yokota Air Base Instruction (YABI) 36-2655, *Close Combat Mission Capability Kit*

1.2.1.4. Shoot, Move, and Communicate Course of Fire (if conducting SMC)

1.2.1.5. Shoot, Move, and Communicate Lesson Plan (if conducting SMC)

Chapter 2

ROLES AND RESPONSIBILITIES

2.1. Applicability. This instruction applies to all personnel assigned to YAB who utilize dye marking cartridges for training and exercises.

2.2. Training Requirements. Range Safety Officer (RSO) and Training Support Official (TSO) will be trained IAW AFI 36-2646, *Security Forces Training and Standardization Evaluation Program*, AFI 36-2654, and TO 11W2-9-4-11.

2.2.1. Officer in Charge (OIC) Responsibilities. The OIC, also referred to as the Chief Range Officer (CRO) in applicable CONOPS, is the RSO charged with control of the training area. All other RSOs and TSOs will report to the OIC with any questions. Control of the training area is the ultimate responsibility of the OIC. The OIC is not commissioned officer-specific; the OIC must be an E5 or higher and will:

2.2.1.1. Be trained in RSO duties and familiar with the course of fire, CONOPS, and applicable instructions.

2.2.1.2. Brief all personnel on the boundaries of the exercise area and ensure all personnel meet minimum safety requirements for CCMCK Weapon Conversion Systems.

2.2.1.3. Verify all weapons used for force-on-force training area, appropriate CCMCK Weapon Conversion System is properly installed, and only CCMCK ammunition is allowed in the Safety and Training Zones.

2.2.1.4. Maintain continuous 2-way radio communication with the Control Tower via the Ramp Net prior to and for the duration of any training events utilizing firearms on or near the airfield.

2.2.1.5. Provide schedule to Airfield Management and Control Tower one week in advance of intent and training times/location/expected number of personnel to utilize training area for Force-on-Force training and utilization of firearms.

2.2.2. RSO Responsibilities. Each training session will have at least one RSO. The OIC will not concurrently serve as the RSO. The RSO will be in charge of the training session and serve as the disinterested safety official. The RSO is responsible to ensure all training is conducted safely and IAW YABI 36-2655. The RSO must be an E5 or above and will:

2.2.2.1. Utilize only approved training areas and notify the Base Defense Operations Center (BDOC) (DSN: 225-7227), Control Tower (DSN: 225-6206), Airfield Management (DSN: 225-7006), and Wing Safety/Weapons Safety Office (DSN: 225-7583) prior to initiating training, upon completion of training, emergencies, and/or hazard symbol change.

2.2.2.2. Inspect the training site and all personnel before and after each training session for any objects, obstacles, or safety hazards, including live rounds. Inspect all personnel's pockets, pouches, and gear for knives, weapons, ammunition, or other hazardous/dangerous items.

- 2.2.2.2.1. Training will not be conducted until all safety issues have been corrected. If live ammunition is discovered, all trainees will be moved to the staging area and the RSO will conduct another sweep of personnel and training area.
- 2.2.2.3. Ensure a copy of YABI 36-2655, TO 11W2-9-4-11, and CCMCK CONOPS are available in the training area.
- 2.2.2.4. Supervise the installation and recovery of M9 and M16A2/M4 conversion kits to ensure no fully-functional weapons capable of firing conventional ammunition are introduced into the training area as identified in TO 11W2-9-4-11, Chapter 3. Weapon conversion will take place inside the safe zone of the training area IAW TO 11W2-9-4-11. All troubleshooting of weapon malfunctions will be conducted IAW TO 11W2-9-4-11, Chapter 7.
- 2.2.2.5. Account for the safe storage/handling, verification, accountability, and issue of marking cartridges, weapons, munitions and other training aids.
- 2.2.2.6. Appoint additional instructors and support personnel to be used during each training scenario.
- 2.2.2.7. Appoint range guard(s) to control access to specific training zones. Guards must be educated on their specific duties prior to any training session. Additional guards may be appointed and must be briefed.
- 2.2.2.8. Determine and notify all personnel when the range/training zone is considered "HOT" (training ongoing) and "COLD" (training is ceased).
- 2.2.2.9. Conduct a safety briefing before each training session to all trainees, trainers, support personnel and spectators (Attachment 2).
- 2.2.2.10. Complete RSO training/exercise checklist before the training operation (Attachment 3).
- 2.2.2.11. Oversee range cleanup and reconstitution, identify any misfired rounds (dispose of expended rounds through normal waste disposal procedures). Weapons reconfiguration will be IAW TO 11W2-9-4-11 to include weapons cleaning and bore checks for lodged projectiles.
- 2.2.2.12. Contact base weather (DSN: 225-7213) to ensure no lightning is present within 5 miles. If lightning is detected within 5 miles, operations will cease and personnel will seek shelter immediately.
- 2.2.2.13. Supervise Range Guard(s) (RG).
- 2.2.3. TSO Responsibilities. If used, the TSO reports directly to the RSO and will:
 - 2.2.3.1. Run scenarios and verify all training objectives are met.
 - 2.2.3.2. Supervise assistant TSOs (and if required) role players.
- 2.2.4. RG Responsibilities. RG report directly to the RSO and will:
 - 2.2.4.1. Prevent entry of non-essential personnel into the training area.
 - 2.2.4.2. Stop traffic at their location when live fire training is being conducted.

2.2.4.3. Notify the RSO/OIC immediately if an aircraft is observed approaching the runway or the red overrun light is activated. A CEASE FIRE will be called until the area is clear to avoid any incidents.

Chapter 3

TRAINING AREAS

3.1. Training Locations. IAW CCMCK CONOPS, training/exercise sites should be identified and approved jointly by all organizations using the site and the local wing safety office. A list of approved sites must be listed in the local Operating Instruction (OI). The following training sites are identified for Yokota Air Base for the use of CCMCK and dye-marking cartridges:

3.1.1. Parking lot and field adjacent to Bldg 4146 (Attachment 4).

3.2. Zones. All training areas are divided into three “zones” as identified below.

3.2.1. Training Zone. (Identified by a blue rectangle in Attachment 4). This is the live-fire area. All safety equipment as identified in Chapter 4 of this publication must be worn prior to entering the training area until the area is deemed “COLD” by the RSO.

3.2.2. Safety Zone. (Identified by slash pattern rectangle in Attachment 4). This is a 75-meter buffer area where all briefings, gear storage, and scenario preparation takes place. Entry into the Safety Zone and the Training Zone will be limited to a single point of entry and monitored by the range guard(s). If unauthorized personnel enter this area, range guard(s) will call out “CEASE FIRE” and notify the RSO immediately. Safety equipment identified in Chapter 4 is to be worn in this area if the Training Zone is “HOT.” All preparation including magazine loading and weapon inspections occur in this zone.

3.2.3. Staging Zone. This is an area outside of the 75-meter Safety Zone where personnel can rest, observe training, and remove safety gear.

Chapter 4

REQUIRED SAFETY EQUIPMENT

4.1. Personal Protective Equipment (PPE) Requirements. All personnel within the Training Zone and Safety Zone, to include instructors, safety observers, and participants, must wear all mandatory PPE. All personnel within the Safety Zone must wear all mandatory PPE when the Training Zone is declared “HOT”.

4.2. Required PPE for Force-on-Force (shooting at personnel). The following PPE is required when personnel are conducting training which involves personnel firing at other personnel:

- 4.2.1. Full-face protection to include CCMCK Face Mask, *National Stock Number (NSN) 8415-99-359-9160* or other approved masks and Sun, Wind and Dust Goggles, *NSN 8464-01-328-8268*. Additional approved facemasks and specific safety items are listed in TO 11W2-9-4-11.
- 4.2.2. Combat helmet with functioning chin strap (snapped and secured).
- 4.2.3. Single hearing protection (earplugs).
- 4.2.4. Standard gloves which cover all fingers (utilize knuckle protection if available).
- 4.2.5. Groin protection (cup or padding).
- 4.2.6. Single layer of clothing (e.g., Airman Battle Uniform (ABU) or similar) with sleeves rolled down completely.
- 4.2.7. Use of operational equipment such as individual body armor and load bearing vest/load bearing equipment is highly recommended to ensure training is realistic.
- 4.2.8. Minimum engagement distance when using CCMCK ammunition in converted weapons is 1.52 meters (5 feet). Personnel injury may occur if shots are taken at less than 1.52 meters (5 feet).

4.3. Required PPE for Marksmanship/Shoot, Move, and Communicate (SMC) Training (shooting at non-human targets). The following PPE is required when personnel are conducting training which does NOT involve personnel firing at other personnel:

- 4.3.1. Combat helmet with functioning chin strap (snapped and secured).
- 4.3.2. Single hearing protection (earplugs).
- 4.3.3. Standard gloves which cover all fingers (utilize knuckle protection if available).
- 4.3.4. Single layer of clothing (e.g., Airman Battle Uniform [ABU] or similar) with sleeves rolled down completely.
- 4.3.5. Eye protection.

Chapter 5

SPECIAL CLEANING INSTRUCTIONS

5.1. Cleaning instructions for M16A2/M4/M4A1 rifle and M9 pistol. After CCMCK use, weapon must be cleaned in accordance with the following cleaning instructions after the course of fire is complete.

5.1.1. Failure to inspect and clean the chamber and bore before firing service ammunition can result in personnel injury or catastrophic damage to the weapon if a CCMCK marking projectile remains lodged in the bore.

5.1.2. Before installing CCMCK Weapon Conversion Kit, weapon must be cleaned and lubricated.

5.1.3. Prior to using CCMCK, individuals must inspect their weapons for broken, missing, or worn parts and notify the armory or RSO if any issues are present.

5.1.4. Weapon chamber and bore must be cleaned and wiped DRY to properly fire CCMCK ammunition.

5.1.5. CCMCK components should be inspected, cleaned, and **lightly** lubricated prior to use.

5.1.6. The face of the CCMCK bolt must be wiped dry prior to installation and use.

5.1.7. After CCMCK use:

5.1.7.1. Immediately rod the bore of the weapon (M16A2/M4/M4A1) for possible stuck projectiles.

5.1.7.2. Inspect, clean, and lubricate the weapon paying special attention to chamber and bore, ensuring all CCMCK marking compound is fully removed.

5.1.7.3. Before turn-in of CCMCK Weapon Conversion Kit, thoroughly clean all CCMCK components with Cleaner Lubricant & Preservative (CLP) and a suitable cloth. Ensure all dirt, debris, carbon deposits, and marking compounds are fully removed.

KENNETH E. MOSS, Colonel, USAF
Commander

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

AFI 31-117, *Arming and Use of Force by Air Force Personnel*, 2 February 2016

AFMAN 33-363, *Management of Records*, 1 March 2008

AFI 36-2646, *Security Forces Training and Standardization Evaluation Programs*, 12 January 2017

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

AFMAN 36-2655, *USAF Small Arms and Light Weapons Qualification Programs*, 12 August 2016

TO 11W2-9-4-11, *Technical Manual Operator's Manual for Close Combat Mission Capability Kit (CCMCK)*, 13 Mar 2009, certified 28 January 2015

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

AB—Air Base

ABI—Air Base Instruction

ABU—Airman Battle Uniform

AF—Air Force

AFI—Air Force Instruction

AFMAN—Air Force Manual

AFRIMS—Air Force Records Information Management System

AFSC—Air Force Specialty Code

BDOC—Base Defense Operations Center

CCMCK—Close Combat Mission Capability Kit

CLP—Cleaner Lubricant & Preservative

CONOPS—Concept of Operations

CRO—Chief Range Officer

IAW—In Accordance With

NNMSB—Non-Nuclear Munitions Safety Board

NSN—National Stock Number

OI—Operating Instruction

OIC—Officer in Charge

OPR—Office of Primary Responsibility

PPE—Personal Protective Equipment

RDS—Records Disposition Schedule

RG—Range Guard

RSO—Range Safety Officer

SMC—Shoot, Move, and Communicate

TO—Technical Order

TSO—Training Support Official

UCMJ—Uniform Code of Military Justice

374 SFS—374th Security Forces Squadron

374 SFS/CC—374th Security Forces Squadron Commander

374 SFS/S3T—374th Security Forces Squadron Training Section

Attachment 2

RSO PRE-OPERATIONS SAFETY TASKS AND BRIEFING

Figure A2.1. RSO Pre-Operations Safety Tasks and Briefing.

<p>1. The RSO completes sections 1 and 2. The RSO then briefs sections 3, 4, and 5 to all participants:</p> <p>1.1. RSO: _____</p> <p>1.2. Location of nearest phone/radio: _____</p> <p>1.3. Explosive Limits (Total number of rounds involved): _____ 5.56mm _____ 9mm Hazard Class/Division: _____ Compatibility Group: _____</p> <p>1.4. Operation to be performed (Circle): SMC Force-on-Force Other (Explain)</p> <p>Other _____</p> <p>1.5. PPE and Safety Brief conducted by: _____</p> <p><i>NOTE: PPE will be worn in the training area at all times.</i></p>
<p>2. Number of personnel involved in the operation:</p> <p>2.1. Trainers: _____ RSOs _____ OIC/CRO _____ RG</p> <p>2.2. Trainees: _____</p> <p>2.3. Observers: _____</p>
<p>3. Rules of Engagement (ROE):</p> <p>3.1. PPE must be worn in the Training Zone and Safety Zone. If your safety gear comes off, loudly announce "CEASE FIRE" three times. Upon hearing ceasefire, all other personnel are required to echo it loudly three times.</p> <p>3.2. Minimum Safe Engagement Distance. You will not engage live targets closer than 1.5 meters (5 feet).</p> <p>3.3. Do not argue with the RSO, OIC/CRO, or RG. They are in charge of the range. Lethal items will not be permitted in the training area (knives, live rounds, etc.). No physical contact between participants will be permitted unless directed by the RSO or OIC/CRO (scenario dependent).</p>

3.4. "CEASE FIRE" can be used by **anyone** any time an unsafe act is witnessed. Every individual on the range is a safety monitor. Shout "CEASE FIRE, CEASE FIRE, CEASE FIRE" loud enough for the RSO to hear. After the Cease Fire has started, only RSO or OIC/CRO can resume training.

4. Emergency Actions:

4.1. In case of an emergency, immediately CEASE FIRE. The RSO or OIC/CRO will immediately notify the 374 SFS BDOC by the most expedient method possible (Radio or Telephone). In case of a medical emergency, contact 911 instead of BDOC.

4.2. If munitions are involved in a fire, all training area operations will be stopped, and personnel will evacuate. Initial withdrawal distance is 500 feet. The RSO or OIC will take accountability. Immediately notify the fire department by calling 911.

4.3. If an evacuation occurs, all personnel will immediately report to the predetermined rendezvous location at _____ which is located towards the _____ at approximately _____ meters. Personnel will not depart the rendezvous point until released by the OIC/CRO or RSO. All personnel will clear their weapons and maintain positive control of their gear upon direction by the RSO.

4.4. In the event of a physical injury, medical personnel will be notified. It is the responsibility of the RSO to secure the individual's weapons, ammunition, and gear.

4.5. Evacuation points in case of an emergency are located at the _____ which is at approximately _____ meters. As a minimum, the evacuation point must be 500 feet outside the Safety Zone.

5. Questions or concerns

Are there any questions or concerns on the safety requirements to complete this training?

6. END SAFETY BRIEFING

Attachment 3

RSO TRAINING/EXERCISE CHECKLIST

Table A3.1. RSO Training/Exercise Checklist.

	TASK	Completed (initial)
1.	Inspection of training/exercise area for unsafe conditions.	
2.	Ensure OIC/CRO has radios to communicate with Control Tower during operations. OIC/CRO will conduct a radio check on Ramp Net with the Control Tower.	
3.	Contact BDOC, Control Tower, Airfield Management, and Wing Safety to give training/exercise location and start time/estimated completion time.	
4.	Document participants (Sign in Roster). Ensure all required documents (CCMCK CONOPS, YABI 36-2646, TO 11W2-9-4-11, SMC Lesson Plan (if applicable), and SMC Course of Fire (if applicable) are in the training area.	
5.	Give Safety Briefing, Rules of Engagement, and complete RSO checklist.	
6.	Install CCMCK Weapons Conversion kit.	
7.	Inspect Personnel, Weapons, and Equipment for live rounds and other hazardous material.	
8.	Conduct safety inspection with OIC/CRO of role-players, support personnel, observers, and vehicles (if applicable).	
9.	Brief role-players and support personnel on position for training/exercise "scenario. (If applicable)."	
10.	Bring personnel to entrance of Safety Zone for inspection of PPE and Safety Equipment.	
11.	Conduct safety inspection of personnel PPE and Safety Equipment.	

12.	Answer any final questions participants / students may have.	
13.	Conduct SECOND safety check. Ensure range is secure and Range Guards are in place. (Role-players and support personnel put on masks until range is COLD.) Role-players weapons are not loaded yet. When satisfied that all personnel have been briefed and are wearing all required PPE and the training area is secure, RSO will call "RANGE HOT".	
14.	Have personnel face in a safe direction and load weapons. Request approval with the Control Tower to begin training operations to ensure aircraft de-confliction. Tower will provide approval or reason for delay and estimated time of delay. Begin training exercise / scenario.	
15.	RSO will be positioned in an area where he/she can monitor the scenario for safety violations. RSO will NOT be an active participant in the scenario. If any safety violations occur, shout "CEASE FIRE, CEASE FIRE, CEASE FIRE".	
16.	OIC monitors the scenario for safety issues and ensures training objectives are met. OIC ends the training by shouting "CEASE FIRE, CEASE FIRE, CEASE FIRE". All masks and gear stay on at this time. Check for any injuries. Notify Control Tower as soon as live fire training has ceased to resume aircraft operations.	
17.	Move participants to Safety Zone for weapons clearing and inspection.	
18.	Instruct all personnel with weapons to face in a safe direction and clear their weapons. Account for all personnel, weapons, and equipment. Once all weapons are verified clear and safe, the RSO will announce "RANGE IS COLD". All personnel may remove their PPE or Masks at this point.	
19.	The OIC or RSO will conduct an After Action Review with each team that completed training / scenarios.	

20.	Once all training is complete, account for all weapons, magazines, munitions, and equipment. Clear the training/exercise area of CCMCK munitions residue, brass, and trash before personnel leave the Safety Zone.	
21.	Remove CCMCK Weapons Conversion Kits at this time.	
22.	Notify BDOC, Control Tower, Airfield Management and Wing Safety the exercise/training is completed.	
23.	Ensure all personnel clean weapons, CCMCK kits, and PPE as required by TO 11W2-9-4-11.	

Attachment 4
TRAINING AREA(S)

Figure A4.1. Parking lot and field adjacent to Bldg 4146. Primary Location for Shoot, Move, and Communicate Course of fire.



