

FORT CUSTER TRAINING CENTER CATALOG OF RANGES AND TRAINING AREAS



Fort Custer Training Center
Michigan Army National Guard
Battle Creek, MI 49012-9205

0 Catalog of Ranges and Training Facilities

Summary: This publication contains the ranges, training areas & facilities for units and/or agencies using Fort Custer.

Applicability: This pamphlet applies to units and agencies planning and conducting training at Fort Custer requiring the use of ranges and/or training facilities.

Supplementation: This pamphlet cannot be supplemented without the approval of the Fort Custer commander.

Suggested Improvements: The proponent of this regulation is the Operations Officer for Plans, Training and Security. Users are invited to send comments and suggested improvements to Fort Custer, ATTN: NGMI-JHQ-FCO, 2501 26th St, BLDG 3650, Augusta, MI 49012-9205.
This publication supersedes FCTC Pam 210-21 dated 19 July 2019.

Note: If unit does not sign out the scheduled range or training area within an hour with no prior communications with range control, unit will forfeit the range/training area to the next unit in need. Contact Range Control at **(269) 282-7559**.

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Introduction

1-1. Purpose: To provide information to trainers and schedulers from all branches of the Department of Defense and civilian agencies using Fort Custer Ranges and Training Facilities.

1-2. References:

- a. AR 385-63 Range Safety
- b. DA PAM 385-64 Ammunition and Explosives Safety Standards
- c. TC 25-8 Training Ranges
- d. FCTC Reg. 385-63 Fort Custer Range Safety Regulation
- e. AR 350-19 The Army Sustainable Range Program
- f. DA PAM 385-63 Range Safety
- g. AR 200-1 Environmental Protection and Enhancement

- h. NGR 385-63 Army National Guard Range Safety Program, Policy, and Standards
- i. NGR 385-64 Army National Guard Ammunition and Explosives Safety Standards

1-3. Policy: To assist units in planning and conducting unit activities by identifying all numbered and lettered training areas, ranges, firing positions, mortar positions, and training facilities available at Fort Custer.

1-4. **Procedures: Refer to FCTC Operations for procedures to conduct online scheduling through the Range Facility Management Scheduling System (RFMSS).**

1-5. Plans. All training or utilization conducted on Fort Custer to include training areas, ranges or other areas of the installations will be requested and approved through FCTC Operations/Range Control.

1-6. GPS Datum: The maps currently used at Fort Custer require the Plugger/GPS to be set on NAD 83 or WGS 84.

Chapter 2

Ranges and Training Facilities

Ranges

PISTOL	FIRING POINTS	LOCATION	PAGE
RANGE 2(25 meter)	16	FM40578719	11
RANGE 3(25 meter)	19	FM40518718	12
RANGE 4(25 meter)	8	FM40478718	12
RANGE 5(25 meter)	8	FM40448718	13
RANGE 6(25 meter)	32	FM40358717	14
RANGE 7 (25 & 33 meter)	32	FM40198716	15
RANGE 8(25 & 100 meter)	32	FM39958715	16
RANGE 10(Automated popup CPQC)	10	FM39488712	17

RANGE 11(Automated popup CPQC/MPQC)	10	FM39758715	18
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SHOTGUN	FIRING POINTS	LOCATION	PAGE
RANGE 4(25 meter)	8	FM40478718	12
RANGE 5(25 meter)	8	FM40448718	13
RANGE 11(Automated popup CPQC/MPQC)	10	FM39758715	18

RIFLE	FIRING POINTS	LOCATION	PAGE
RANGE 1(800 meter MPMG)/10 meter	3/5	FM40668719	10
RANGE 2(25 meter)	16	FM40578719	11
RANGE 3(25 meter)	19	FM40518718	12
RANGE 6(25 meter)	32	FM40358717	14
RANGE 7 (500 yard KD)/25 & 33 meter	50/32	FM40198716	15
RANGE 8(25 & 100 meter)	32	FM39958715	16
RANGE 9(MRF 300 meter)	16	FM39728714	16

M240	FIRING POINTS	LOCATION	PAGE
RANGE 1(MPMG Table II qual)/10 meter	3/5	FM40668719	10
RANGE 2(25 meter)	16	FM40578719	11
RANGE 3(25 meter)	19	FM40518718	12
RANGE 6(25 meter)	8	FM40358717	14
RANGE 7 (500 yard KD)/25 & 33 meter	50/32	FM40198716	15

GRENADES	FIRING POINTS	LOCATION	PAGE
RANGE 12(M69 practice only)		FM38278714	19
RANGE 13(40mm No HE)	7	FM38718562	19

MORTARS	FIRING POINTS	LOCATION	PAGE
RANGE 13(SRTR, no HE)		FM38718562	19

DEMO & MINES	FIRING POINTS	LOCATION	PAGE
RANGE 14(10lb limit)		FM40298338	20
RANGE 14A(4lb limit)	Wall, Door, Window breach stations	FM40058375	20

ANTI-ARMOR	FIRING POINTS	LOCATION	PAGE
RANGE 13 & 14(AT-4 sub-cal 9mm only)	7	FM38718562	19

COMPETITIVE MARKSMANSHIP	FIRING POINTS	LOCATION	PAGE
RANGE 7(500 yard KD, 1000 yard capable)	56	FM40518718	15
RANGE 8(25/100 meter, 300 yard capable)	56	FM40578719	16

****Sniper M118LR 7.62 and most civilian .308 ammo can only be fired on range 7 and range 8 in a non-standard, cross-lane firing solution. Contact range control for further**

CONVOY TRAINING	FIRING POINTS	LOCATION	PAGE
RANGE 15		FM39268228	21

NOTE: We recognize that Non Department of Defense entities and some Department of Defense entities fire weapon systems that are not listed. If there is any weapon system that you want to fire and it is not listed, please call us before you assume that you cannot fire it on Fort Custer. Commercial (269) 282-7875.

TRAINING FACILITIES, SIMULATORS AND DEVICES

IED TRAINING DEVICES: We currently have the TIED II training systems. The TIED II consists of an IED trainer, Land Mine trainer and Trip Wire Trainer. In addition to the TIED II systems, we have suicide vests and a mortar simulator. In total we have 5 large IED trainers, 3 pipe bomb trainers, 6 Land Mine trainers, 6 Trip Wire trainers and 2 suicide vests. In order to draw any of these devices, you must complete the Fort Custer IED Simulator Training. **Requests for the training devices must be made 90 days in advance. The only exception to this is a deployment.**

EST II (Engagement Skills Trainer): Located in BLDG 2860.

Supports realistic and comprehensive gated rifle marksmanship instruction, identifies Soldiers' needs by requiring them to satisfy gate requirements in order to progress, and facilitates any necessary remedial training prior to qualification. Ft Custer has a 10 lane heavy range that has the capabilities to fire eleven weapons. 6-M16A2 Rifle, 2-M16A4 MWS, 4-M4 MWS, 2-M9 Pistol, 2-M249, 2-M240B Machine Gun, 2-M2 .50 caliber Machine Gun, 2-MK19 Grenade Machine Gun, 4-M136 Anti-Tank Weapon, 2- M1200 Shotgun. The M16A4, M4, M249 and M240B have picatinny rail systems for optic and laser mounting. 3ea ACOG and 9ea M68 CCO optics are available for use. The system is night vision capable and can be used with night vision, IR lasers (PEQ's and PAC-4's), and optics, all of which must be brought by the using unit. It has three modes of training: 1) **Marksmanship training**, 2) **Tactical collective training**, 3) **Shoot/don't shoot rules of engagement training**. **When the unit wants to utilize the M-2 or MK-19 the unit must bring their own pintles, T&E's and MK-19 carriage and cradle.** Unit must provide 1 certified operator.

CALL FOR FIRE TRAINER III (CFFT III)

The Call For Fire Trainer (CFFT) III family of systems provide institutional and rapidly deployable observed fire training for Fire Support Specialists (FSS), Joint Fires Observers (JFO), and Soldiers. The system provides training to conduct Indirect Fires, Precision Targeting, and Close Air Support, Close Combat Attack (Deliberate and Hasty Attack), and Naval Surface Fire Support. The CFFT III provides the capability for Army, Joint, Multinational, and Special Operations Forces to conduct advanced, complex, and realistic fires training.

HEAT TRAINER (HIGH MOBILITY MULTIPURPOSE WHEELED VEHICLE (HMMWV) EGRESS ASSISTANCE TRAINER): Location is BLDG 2860.

Simulates an up armored HMMWV rollover or roll to left or right, then trains the vehicle occupants to successfully egress from the rolled HMMWV by emphasizing teamwork through crew/battle drills. Two licensed operators are required, with a current DD 1902, which must be updated every calendar year. Soldiers must complete a block of training before entering the HEAT. **A Composite Risk Management worksheet must be signed by an O-5 or above, also a combat lifesaver with ambulance or litter**

capable vehicle is required on site. Ft Custer currently has one HEAT trainer. Allow 15-20 minutes per group of 5 Soldiers.

VIRTUAL CONVOY OPERATIONS TRAINER (VCOT-C2 version): Located in semi-trailer on east side of BLDG 2860.

The VCOT is a training device that enables units to train for convoy operations in virtual combat environment. It's used to develop specific skills and knowledge that directly relate to convoy situations. The system has the flexibility to allow leaders to choose the right vehicle mix for their convoy, the weapon system employed on each vehicle, the routes along which the convoy will travel, and the type and strength of enemy activity along the convoy route. The VCOT can simulate up to 4 vehicles, 2 with Driver, Gunner and TC in each vehicle and 2 with Driver and Gunner. The VCOT may be operated either as a collective training system where all crew stations operate together or as a gunnery trainer where crew stations operate independently. A TC with a head mounted display (HMD) and a wireless weapon in order to 'step outside' the vehicle. The driver has 3 monitors for peripheral vision, and simulated vehicle controls. Two radios replicate the frequency for the convoy and the higher headquarters. The gunner has a 360 degree traversing station, with HMD and a simulated gun representing the M2 HBMG, MK19, M240 or M249. A typical scenario takes approximately 20 minutes from start to release points. To that, you need to add training time for planning, mission rehearsal and AAR. One certified operator is required to run the system.

UNSTABILIZED GUNNERY TRAINER – INDIVIDUAL (UGT-I) Located in BLDG 2860.

The UGT-I or Brigade Combat Team – Individual Reality Training systems are a Table II requirement according to TC 3-20.31. Consisting of one each 240B, M2 .50, and MK19 grenade launcher systems, soldiers can practice using proper gunnery commands as well as engage and destroy targets from a simulated turret both stationary and while moving. This system helps the soldier become well versed with gunnery commands as well as familiarize the soldier with the weapon system, traverse and elevation device, and the PAS-13 thermal optic. Once a soldier becomes proficient and completes all tasks and range performance measures the soldier can then complete the Gate to Live Fire exercise. A score of 700/1000 with 7/10 successful engagements must be met to continue on to Table III.

COUNTER IMPROVISED EXPLOSIVE DEVICE (CIED) TRAINING AREA:

The IED Training Area, FM39738176, consists of six teaching boards and 20 testing stations. Each of the teaching boards cover the most common types of IED's found in country. The 20 test stations are setup down a lane where the individual has to walk the lane filling out their score card identifying what the IED is.

CONFIDENCE OBSTACLE COURSE:

Consists of 22 obstacles from FM 7-22 located at FM39658777. The Confidence Obstacle Course has higher and more difficult obstacles than the conditioning course. It gives Soldiers confidence in their mental and physical abilities and cultivates their spirit and daring. There are 4 quadrants to the course laid out like a cloverleaf around the center where there are covered bleachers. A separate publication is available at range control on this facility.

APFT TRACK:

The track is set up in the Cantonment Area. There is a ¼ mile all weather rubberized oval track, FM39768807, and an alternate 2-mile over the road course. The inside of the track can be used for the

pushup and sit-up events, formation physical fitness or other activities. The track and the in-field have lights for use during hours of darkness.

The start point for the 2-mile road course is the corner of 27th and Wayne. You run down Wayne to 30th and turn left. Go down 30th to Harmonia and turn left. Go down Harmonia to 27th and turn left. You must go around this track 2.7 laps to equal 2 miles and 3.5 laps for the 2.5 mile walk.

HELICOPTER LANDING ZONES:

7 landing zones for helicopters. LZ One is located in the Cantonment Area. It is 260m by 130m located in a clear mowed field. (Location FM40278794) LZ 3 is located in training area 3. It is 260m by 200m located in an open field with three foot grass and a clump of brush off set in the center. (Location FM34738434) LZ 2, 4, 6, 7 & 8 can be used for MEDEVAC purposes.

CBRN/NBC FACILITY:

Range 14 has a vacant pole barn that can be used for a mask confidence course (tablet CS only, unit must provide burner and bring their own water source if needed). CBRN/NBC training can be conducted in Training Areas 3-6 depending on unit training requirements.

RAPPELLING TOWER: There is currently no standard rappel tower to conduct basic rappel operations. (Location FM39358788) Must have a Certified Rappel Master. Rappelling hook up points exist on the brick building in the MOUT Site. Hook up points are on the roof and in the windows of the East side of the building.

PARADE FIELD: An area 160m by 70m for Command or other functions. There is a flag pole and command platform. (Location FM39798840)

MOUT SITE:

Consists of five buildings, two multi-story, with a total of 99 rooms with the ability to train on Urban Defense of a Building, Underground Sewer System, Vault and Fight, Clearing Techniques, Dodge City, Destiny Doorway and Grenadier Gunnery. (Location FM39358788). **Breach doors for ram or kick entry are installed on all outer entrances of the block building (No other breach method is authorized). Doors are tension adjustable and resettable.**

EPW compound:

Two fenced compounds are located in training area 3 at FM34708430.

IMT lane (Individual Movement Techniques): Squad infiltration course that consists of walls, wire, ditches and mounds designed to allow up to squad size elements to assault a defensive position with blanks, CCMKT and pyro (non-live fire).

LAND NAVIGATION COURSES:

We currently have 6 Land Navigation Courses available.

Compass Course: 25 points located in training area 4 south of Lawler Cemetery. Every leg of each lane is less than 100m. There are only 3 legs to each lane. This is the perfect tool for teaching basic land navigation and how to use your compass. The signs are 8" by 8" painted international orange with black numbers. (Location FM36318495)

Land Nav 1, is located in training area 4, consisting of 50 points. There are 25 lanes covering 991.40 acres. Land Nav 1 signs are 12" by 12" painted white and blue with black numbers. Land Nav 1 is a self-

correcting course with the grid location marked on each point. Each lane consists of 4 legs with a distance of 300-1000m between points.

Land Nav 2, is located in training area 5 and 7, consisting of 50 points. There are 25 lanes covering 1330.53 acres. Land Nav 2 signs are 12" by 12" painted white and green with black numbers. Land Nav 2 is a self-correcting course with the grid location marked on each point. Each lane consists of 4 legs with a distance of 300-1000m between points.

Land Nav 3 is located in training area 4, 5, and 7 consisting of 36 points. There are 10 lanes covering 2321.93 acres. Land Nav 3 signs are 12" by 12" painted white and international orange with black numbers. Land Nav 3 is a non-self-correcting course with no grid numbers at the points. Each lane consists of 8 legs with a distance of 300-1000m between points. Land Nav 3 meets Expert Infantryman's Badge and Expert Field Medical Badge standards.

**All the start points for Land Nav 1, 2, and 3 are located along Augusta Climax Road. The last point in each lane will be one of the start points on Augusta Climax Road. There is area available for parking at FM37068405.

Land Nav 4 is located in training area 3, 4, 5 and 7 consisting of 50 points. There are 50 lanes covering 3113.93 acres. Land Nav 4 signs are 24" by 36" painted white with black lettering. Land Nav 4 can be done dismounted or mounted.

Land Nav 5 is located in training area 1 and 2, consisting of 48 points. There are 24 lanes covering 336 acres. Land Nav 5 signs are 12" by 12" painted white and red with black numbers. Land Nav 5 is a self-correcting course with the grid location marked on each point. Each lane consists of 6 legs per lane with a distance of 500-1000m between points.

LEADER'S REACTION COURSE (LRC): This is a 17 station course, (ten over water) designed to test and build leaders reactions to different scenarios. (Location FM39758787)

The following is a list of stations tasks: POW compound escape, Ammo delivery across a damaged bridge, Blood delivery across a damage bridge, Transport friendly wounded across a stream, oil drum over fence, cross a mine field and tank trap, move through dangerous culverts, get ammo to friendly troops, crossing a swift stream, ammo across a river, cross a fence with gear and troops, cross a minefield, and cross a river with all supplies.

FUEL PADS: Currently there are three fuel pads on Fort Custer. Two are near the Cantonment Area (FM39828798) and the other one is in Training Area 7A (FM38678503).

COMBATIVES BUILDING (Bldg. 2790N):

This is a heated 60' by 40' building with zebra wrestling mats covering 54' by 34'. It is located just east of the APFT Track at FM39768798. MACP combative gear is available for issue at Range Control. MACP gear consists of padded suits, guards, helmets, headgear, mitts, gloves and rubber knives, pistols and rifles.

ENTRY CONTROL POINT (ECP): Located at southern entrance into Range 15 (FM393658208).

It is two lanes with an over watch tower.

MP STATION-(BLDG 2639):

Two story building with a bottom floor that contains jail cells, interrogation rooms with one way glass, dispatch/in-processing room, bathrooms and kitchenette. The top floor is a large open room with 23 RCAS workstations and 1 network printer. You must have a Michigan National Guard RCAS account to log into these computers.

RANGE 1

1. FUNCTION: Multi-Purpose Machine Gun Range
 - a. M249 Squad Automatic Rifle Role Qualification
 - b. M249, M240B 10m Qualification
 - c. M249, M240B Crew Served Weapons Familiarization
 - d. M24/M110 Sniper Rifle
2. FIRING POINTS: 3 points Table 2 and 3, 5 points Table 1
3. LOCATION: FM40668719
4. WEAPONS AND AMMUNITION:
 - a. M249 SAW - Ball and 4:1 Ball/Tracer
 - b. M240B/M60 - Ball and 4:1 Ball/Tracer
 - c. M24/M110 - A136 7.62mm SPEC ball M118
 - d. **FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63.**
5. TARGETS: "E" Type silhouettes automated targetry out to 800m. Thermal target capable out to 500m, which must be requested in advance. 15ea double target, portable half scale IPSC Steel swinging targets available on request that can be emplaced at varying ranges out to 800m.
6. RANGE SAFETY: Left and right range limit markers. No cross lane firing is permitted. Scarlet streamer is to be displayed during daylight firing, flashing red light during night fire.
7. OPERATOR: Range Control will train a computer operator from the using Unit/agency for all scheduled firing. If the Unit does not arrive within ONE HOUR after scheduled time, then Range Control will assume that the unit has cancelled the Range use for that day.
8. RANGE ASSETS: Enclosed OIC tower, covered bleacher, PA system, AHA bldg., automated target lifters and scoring.
9. RESTRICTIONS:
 - a. **CLEARANCE TO GO DOWN RANGE BEYOND THE 10 METER TARGETS MUST BE RECEIVED FROM RANGE CONTROL PRIOR TO GOING BEYOND THE 10 METER TARGETS.**
 - b. Range 1 must cease fire before Range 7 can go beyond the 100 yard line.
 - c. **Range 1 firing 7.62 closes TA5, 6, 7C, R14, and R15. Range 1 firing 5.56 in crew serve mode (100 – 800 meter targets) closes TA 5B, 7C and R14. Range 1 firing 5.56 in individual role (100-400 meter targets) closes R14.**

10. Hearing protection required and must be provided by using unit.

RANGE 2

1. FUNCTION:

- a. 25 meter zero and Alternate Course "C" record fire
- b. Alternate pistol qualification

2. FIRING POINTS: 16

3. LOCATION: FM40578719

4. WEAPONS AND AMMUNITION:

- a. M1911A1 - .45cal BALL, M9, 9mm BALL
- b. M4/M16 - 5.56 mm
- c. M249 SAW - Ball and 4:1 Ball/Tracer
- d. M240B - Ball and 4:1 Ball/Tracer
- e. **FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63.**

5. TARGETS: Fixed 60"x48" Target frames.

6. RANGE SAFETY: Left and right range limit markers. No cross lane firing is permitted. Scarlet streamer is to be displayed during daylight firing, flashing red light during night fire.

7. RANGE ASSETS: OIC Platform/ammunition table, PA system, covered bleacher and storage shed, staplers, shooting blocks, clearing rods and safety paddles.

8. RESTRICTIONS:

- a. **R2 firing 7.62 closes TA6, R14 and R15**
- b. **NO ONE IS ALLOWED DOWNRANGE PAST THE 25M TARGET LINE.**

9. Hearing protection required and must be provided by using unit.

RANGE 3

1. FUNCTION:

- a. 25 meter zero and Alternate Course "C" record fire
- b. Alternate pistol qualification

2. FIRING POINTS: 19

3. LOCATION: FM40518718

4. WEAPONS AND AMMUNITION:

a. M1911A1, .45cal BALL, M9, 9mm BALL

b. M4/M16, 5.56mm

c. M249 SAW- Ball and 4:1 Ball/Tracer

d. M240- Ball and 4:1 Ball/Tracer

d. FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63.

5. TARGETS: Fixed 60"x48" Target frames.

6. RANGE SAFETY: Left and right range limit markers. No cross lane firing is permitted. Scarlet streamer is to be displayed during daylight firing, flashing red light during night fire.

7. RANGE ASSETS: OIC Platform/ammunition table, PA system, covered bleacher, storage shed, staplers, shooting blocks, clearing rods, and safety paddles.

8. RESTRICTIONS: **NO ONE IS ALLOWED DOWNRANGE PAST THE 25M TARGET LINE.**

a. R3 firing 7.62 closes TA6, R14 and R15.

9. Hearing protection required and must be provided by using unit.

RANGE 4

1. FUNCTION:

a. Alternative Pistol Qualification

b. Shotgun Qualification

2. FIRING POINTS: 8

3. LOCATION: FM40478718

4. WEAPONS AND AMMUNITION:

a. M1911A1 - .45cal BALL, M9, 9mm BALL

b. Shotgun - 12 Gauge 00 Buckshot

c. FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63.

5. TARGETS: Fixed 60"x48" Target frames.

6. RANGE SAFETY: Left and right range limit markers. No cross lane firing is permitted. Scarlet streamer is to be displayed during daylight firing, flashing red light during night fire.

7. RANGE ASSETS: OIC Platform/ammunition table, covered bleacher, storage shed, staplers, shooting blocks, clearing rods and safety paddles.

8. RESTRICTIONS: **NO ONE IS ALLOWED DOWNRANGE PAST THE 25M TARGET LINE.**

9. Hearing protection required and must be provided by using unit.

RANGE 5

1. FUNCTION:

a. Alternative Pistol Qualification

b. Shotgun Qualification

2. FIRING POINTS: 8

3. LOCATION: FM40448718

4. WEAPONS AND AMMUNITION:

a. M1911A1 - .45cal BALL, M9, 9mm BALL

b. Shotgun - 12 Gauge 00 Buckshot

c. **FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63.**

5. TARGETS: Fixed 60"x48" Target frames.

6. RANGE SAFETY: Left and right range limit markers. No cross lane firing is permitted. Scarlet streamer is to be displayed during daylight firing, flashing red light during night fire.

7. RANGE ASSETS: OIC Platform/ammunition table, covered bleacher, storage shed, staplers, shooting blocks, clearing rods, and safety paddles.

8. RESTRICTIONS: **NO ONE IS ALLOWED DOWNRANGE PAST THE 25M TARGET LINE.**

9. Hearing protection required and must be provided by using unit.

RANGE 6

1. FUNCTION:

a. 25 meter zero and Alternate Course "C" record fire

b. Alternate pistol qualification

c. M249 10m Qualification

2. FIRING POINTS: 32

3. LOCATION: FM40358717

4. WEAPONS AND AMMUNITION:

a. M1911A1 - .45cal BALL, M9, 9mm BALL

- b. M4/M16 Series - 5.56 BALL
- c. M249 SAW - 5.56mm BALL and TRACER
- d. M240B - 7.62 ball and tracer
- e. **FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63.**

5. TARGETS: Fixed 60"x48" Target frames.

6. RANGE SAFETY: Left and right range limit markers. No cross lane firing is permitted. Scarlet streamer is to be displayed during daylight firing, flashing red light during night fire.

7. RANGE ASSETS: OIC Platform/ammunition table, PA system covered bleacher, storage shed, staplers, shooting blocks, clearing rods and safety paddles.

8. RESTRICTIONS:

- a. **NO ONE IS ALLOWED DOWNRANGE PAST THE 25M TARGET LINE.**

- b. **R6 firing 7.62 closes TA6, R14 and R15.**

9. Hearing protection required and must be provided by using unit.

RANGE 7

1. FUNCTION: 25/33m ZERO, 500 YARD KNOWN DISTANCE RANGE, 1000 YARD CAPABLE

2. FIRING POINTS: 50 KD, 32- 25M

3. LOCATION: FM40198716

4. WEAPONS & AMMUNITION:

- a. M1911A1 - .45cal BALL, M9, 9mm BALL

- b. M4/M16 Series - 5.56 BALL

- c. M249 - 5.56mm BALL and TRACER

- d. M240 - 7.62mm BALL and TRACER

- e. MK19 – **BA12 rounds only**

- f. **FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63.**

5. TARGETS: Regulation targets on fixed carriers and "E" type silhouettes on staves.

Fixed 60"x48" Target frames for 25m and 33m (36yd) firing. Steel swinging targets are available for placement out to 1000yd.

6. SAFETY LIMITS: Left and right range limit markers. No cross lane firing is permitted. Scarlet streamer is to be displayed during daylight firing, flashing red light during night fire.

7. RANGE ASSETS: OIC Platform/ammunition table, PA system, covered bleachers, storage shed, staplers, shooting blocks, clearing rods and safety paddles.

8. RESTRICTIONS:

ALWAYS GET PRIOR APPROVAL FROM RANGE CONTROL BEFORE GOING DOWN RANGE

a. IF RANGE 1 IS HOT, RANGE 7 MAY NOT GO DOWN RANGE PAST THE 100 YARD BERM. RANGE 1 MUST CEASE FIRE BEFORE GOING DOWN RANGE.

b. IF RANGE 3 IS HOT, RANGE 7 MAY NOT GO DOWN RANGE PAST THE 200 YARD BERM. RANGE 5 MUST CEASE FIRE BEFORE GOING DOWN RANGE.

c. IF RANGE 4 IS HOT, RANGE 7 MAY NOT GO DOWN RANGE PAST THE 300 YARD BERM. RANGE 8 MUST CEASE FIRE BEFORE GOING DOWN RANGE.

d. IF RANGE 5 IS HOT, RANGE 7 MAY NOT GO DOWN RANGE PAST THE 33m TARGET LINE. RANGE 6 MUST CEASE FIRE BEFORE GOING DOWN RANGE.

e. IF RANGE 6 IS HOT, RANGE 7 MAY NOT GO DOWN RANGE PAST THE 33m TARGET LINE. RANGE 6 MUST CEASE FIRE BEFORE GOING DOWN RANGE.

f. IF RANGE 8 IS HOT, RANGE 7 MAY NOT GO DOWN RANGE PAST THE 400 YARD BERM. RANGE 8 MUST CEASE FIRE BEFORE GOING DOWN RANGE.

g. IF RANGE 9 IS HOT, RANGE 7 MAY NOT GO DOWN RANGE PAST THE 200 YARD BERM. RANGE 9 MUST CEASE FIRE BEFORE GOING DOWN RANGE.

h. 7.62 firing- closes TA6, TA5B, TA5E, R14, and R15.

9. ****THESE SAFETY CONSIDERATIONS CAN CHANGE IF ANY ADJACENT RANGE IS USING A NON-STANDARD COURSE OF FIRE FOR THAT RANGE. SEE RANGE THE RANGE NCOIC FOR FURTHER GUIDANCE IF THIS IS THE CASE. ****

10. Hearing protection required and must be provided by using unit.

RANGE 8

1. FUNCTION:

- a. 100 meter zero, 25 meter zero and Alternate Course "C" record fire
- b. Alternate pistol qualification

2. FIRING POINTS: 32 each

3. LOCATION: FM39958715

4. WEAPONS & AMMUNITION:

- a. M1911A1 - .45cal BALL, M9, 9mm BALL

- b. M4/M16 Series - 5.56 BALL
- c. M249 - 5.56mm BALL and TRACER
- d. M240 - 7.62mm BALL and TRACER
- e. FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63.

5. TARGETS: Fixed 60"x48" Target frames for 25m and 100m firing.

6. SAFETY LIMITS: Left and right range limit markers. No cross lane firing is permitted. Scarlet streamer is to be displayed during daylight firing, flashing red light during night fire.

7. RANGE ASSETS: OIC Platform/ammunition table, covered bleacher, storage shed, PA system, staplers, shooting blocks, clearing rods and safety paddles.

8. RESTRICTIONS:

a. IF RANGE 7 IS HOT AND FIRING MK19, RANGE 8 MAY NOT GO DOWN RANGE PAST THE 25m TARGET LINE. THIS IS IAW WITH AR 385-63 AND DA PAM 385-63.

b. IF RANGE 9 IS HOT, RANGE 8 MAY NOT GO DOWN RANGE PAST THE 25m TARGET BOARDS IN LANES 7 THROUGH 32. 100M TARGET BOARDS IN LANE 1 THROUGH 6 CAN BE CHECKED WHILE RANGE 9 IS FIRING.

9. Hearing protection required and must be provided by using unit.

RANGE 9

1. FUNCTION: M16 Automated Record Fire (MRF), night fire, NBC firing tables, Practice ALL.

2. FIRING POINTS: 16

3. LOCATION: FM39728714

4. WEAPONS & AMMUNITION: M4/M16 series, 5.56mm ball and tracer

a. FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63.

5. TARGETS: Seven (7) 3-D, targets in each lane for qualification. Nine (9) 3-D, targets in each lane for FAM FIRE. Two each at 50 m, one each at 50 m intervals out to 300 m Electric pop-up with automated operation and scoring.

6. SAFETY LIMITS: Left and right range limit markers. Cross lane firing is prohibited. Scarlet streamer is to be displayed during daylight firing, flashing red light during night fire.

7. OPERATOR: Range Control will train a computer operator from the using Unit/agency for all scheduled firing. If the Unit does not arrive within ONE HOUR after scheduled time, then Range Control will assume that the unit has cancelled the Range use for that day.

8. RANGE ASSETS: Enclosed Tower, PA system, ammunition holding area (AHA) bldg, covered bleachers, automated target lifters and scoring.

9. RESTRICTIONS:

a. NBC, night assisted and night unassisted tables can only be shot on lanes 1-10, unless Arrangements are made with Range Control to close off a portion of Longman Rd and TA 5b before firing.

b. NO ONE is allowed south of the firing points without Range Control Permission.

10. Hearing protection required and must be provided by using unit.

RANGE 10

1. FUNCTION: Combat Pistol Qualification Course

2. FIRING POINTS: 10 ea. with 7 targets on each lane.

3. LOCATION: FM39488712

4. WEAPONS & AMMUNITION:

a. M1911A1 - .45 cal BALL, M9, 9mm BALL

b. **FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63.**

5. TARGETS: Meggitt target mechanisms hardwired, "E" Type silhouettes on site. Seven (7) 3-D, targets in each lane. Electric pop-up with automated operation and scoring.

6. SAFETY LIMITS: Left and right range limit markers. No cross lane firing is permitted. Scarlet streamer is to be displayed during daylight firing, flashing red light night fire.

7. OPERATOR: Range Control will train a computer operator from the using unit/agency for all scheduled firing. If the unit does not arrive within ONE HOUR after scheduled time, then Range Control will assume that the unit has cancelled the range use for that day.

8. RESTRICTIONS:

a. **RANGE IS RESTRICTED TO .45 cal AND BELOW.**

b. **CLEARANCE TO GO DOWN RANGE BEYOND THE 25 METER BERM MUST BE RECEIVED FROM RANGE CONTROL PRIOR TO GOING BEYOND THE BERM.**

c. Red bricks in each lane mark the cease fire point for Table V, CPQC

9. RANGE ASSETS: Enclosed Tower, PA system, covered bleacher, automated target lifters, scoring, pistol lane tables and AHA bldg.

10. Hearing protection required and must be provided by using unit.

RANGE 11

1. FUNCTION: Combat Pistol Qualification Course, MP Qualification Course
2. FIRING POINTS: 10 ea. with 7 targets on each lane.
3. LOCATION: FM39328710 4. WEAPONS & AMMUNITION:
 - a. M1911A1 - .45 cal BALL, M9, 9mm BALL
 - b. **FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63.**
5. TARGETS: Meggitt target mechanisms hardwired, "E" Type silhouettes on site. Seven
(7) 3-D, targets in each lane. Electric pop-up with automated operation and scoring. MP qualification course has 10ea green board targets with a tall and short barricade per target.
6. SAFETY LIMITS: Left and right range limit markers. No cross lane firing is permitted. Scarlet streamer is to be displayed during daylight firing, flashing red light night fire.
7. OPERATOR: Range Control will train a computer operator from the using unit/agency for all Scheduled firing. If the unit does not arrive within ONE HOUR after scheduled time, then Range Control will assume that the unit has cancelled the range use for that day.
8. RESTRICTIONS:
 - a. **RANGE IS RESTRICTED TO .45 cal AND BELOW.**
 - b. **CLEARANCE TO GO DOWN RANGE BEYOND THE 25 METER BERM MUST BE RECEIVED FROM RANGE CONTROL PRIOR TO GOING BEYOND THE BERM.**
 - c. **Red bricks in each lane mark the cease fire point for table V, CPQC**
 - d. Barricades must be taken down when shooting CPQC.
9. RANGE ASSETS: Enclosed Tower, PA system, covered bleacher, automated target lifters, scoring, pistol lane tables and AHA bldg.
10. Hearing protection required and must be provided by using unit.

RANGE 12

1. FUNCTION: Hand Grenade Qualification Course. Designed to meet the standards of TC 25-8 and FM 23-30.
2. FIRING POINTS: Seven (7) stations for individual tasks associated with qualification.
3. LOCATION: FM38278714
4. WEAPONS & AMMUNITION: **M69 PRACTICE GRENADE'S WITH M213 (G878) TRAINING FUZE ONLY!**

5. TARGETS: Each station has a different objective associated with qualification.
6. SAFETY LIMITS: N/A
7. RESTRICTIONS: **PRACTICE GRENADE'S ONLY, NO FRAGMENTATION ALLOWED!**
8. Range Asset: Covered bleacher and practice grenade bodies are available from Range Control.

RANGE 13

1. FUNCTION:

- a. M203, M320 Qualification/Familiarization Training
- b. LAW Familiarization Fire (LAW & AT4)
- c. Mortar Short Range Training

2. FIRING POINTS: 7

3. LOCATION: FM38718562

4. AMMUNITION:

- a. LAW, M990 Sub Cal Launcher, AT4, M287 9mm Trainer
- b. Mortar short range training round (no HE or WP)
- c. M203, M320 GL 40mm TP, ILL, & SMK (no HE)
- d. **FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63, APPENDIX R.**

5. TARGETS: 9 fixed for qualification and 10 fixed for familiarization including one - two story house.

6. SAFETY LIMITS: Left and right range limit markers. Scarlet streamer is to be displayed during daylight firing, flashing red light during night fire

7. RESTRICITONS:

- a. **AMMUNITION ISSUED TO FIRING LINE ONLY**
- b. **NO ONE is allowed downrange past M203 firing points without permission from Range Control. SDZ's exist in the target area east of the firing points.**

8. RANGE ASSETS: OIC platform/ammunition table, covered bleacher and storage shed.

9. Hearing protection required and must be provided by using unit.

RANGE 14

1. FUNCTION:

- a. DEMO
- b. Claymore mine

2. FIRING POINTS: Range control will assign limits of demolition pit and claymore mines.

3. LOCATION: FM40298338 for Command Post

4. WEAPONS & AMMUNITION: Demo up to 10 lbs

a. FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63, APPENDIX R.

b. 12 gauge - M1030 breaching round

5. TARGETS: 2ea demolition pits for bare charges only. Units wanting to use other than bare charges need coordination and approval from range control due to difference in SDZs. 2 weeks minimum advance notice required.

6. SAFETY LIMITS: Left and right limit markers in each lane. Scarlet streamer is to be displayed during daylight firing, flashing red light during night fire.

7. RANGE RESTRICTIONS:

a. 10 lb limit per charge in demo pits.

b. Breach facility, range 14A, is collocated on the same range and is off limits unless scheduled and approved by range control.

8. Hearing and eye protection required and must be provided by using unit. When detonating charges, all personnel within SDZ (even in missile proof shelter) must have helmet and flak jacket or body armor in addition to eye and ear protection.

RANGE 14A

1. FUNCTION:

a. Live Fire Breach Range

2. FIRING POINTS: 3 missile proof shelters

3. LOCATION: FM40008369

4. WEAPONS & AMMUNITION: Demo up to 4 lbs, 12 gauge M1030 breaching round

a. FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63, APPENDIX R.

5. TARGETS: There are 9 Doors, 9 Windows and 3 walls for manual, shotgun, and explosive breaching. Doors are resettable and manufactured by BTI. They use consumable pins and blow out panels to replicate shear strength of hinges and locks found on standard residential doors, up to metal doors with reinforced frames.

6. SAFETY LIMITS: Scarlet streamer is to be displayed during daylight firing, flashing red light during night fire.

7. RANGE RESTRICTIONS:

a. **10 lb limit on wall breach station only. Charges will not be placed closer than 1 foot from support beams and floor.**

b. 300 grain flex linear or det cord limit on explosive door and window breach station.
No
Explosives will be placed on the shotgun, ram or pry doors.

c. M1030 breaching round is the only authorized 12 gauge ammunition for use on shotgun breach doors. Shotguns will not be used on explosive, ram or pry doors.

d. Doors are only designed for their intended purpose which is only one of the following: Explosive up to 300 grains, shotgun (M1030 round only), ram, or pry entry. Attempting breach on a door in a way other than its designed purpose may cause an unsafe situation and damage the door. Any door damaged by violating these procedures will result in the unit being charged the replacement cost, which is significant, and possible revocation of training privilege on Fort Custer.

8. For demolitions - Hearing and eye protection required and must be provided by using unit. When detonating charges, all personnel within SDZ must have helmet and flak jacket or body armor in addition to eye and ear protection. Personnel in missile proof shelter must have eye and ear protection only. NO ONE is allowed outside the missile proof shelter during detonation without prior coordination and approval from range control due to the additional safety measures required per DA-PAM 385-63.

9. For shotgun breaching, double hearing protection and goggles must be worn within 8.5 m of firing. Firing between 8.5 and 30 m requires single hearing protection.

RANGE 15

1. FUNCTION:

- a. Convoy Reaction Course, drivers training on improved and unimproved roads.
- b. Entry Control point (ECP)

2. LOCATION: FM39268228

3. WEAPONS & AMMUNITION: Blanks and pyro only

a. **FOR A COMPLETE LISTING OF AMMUNITION BY DODIC, REFER TO FCTC REG 385-63, APPENDIX R.**

4. TARGETS: 18 vehicle and 24 infantry targets are available with at least 30 days' notice from unit to emplace targets, VHF controlled.

5. SAFETY LIMITS: NA

6. RANGE RESTRICTIONS: **Blanks and pyro only NO LIVE AMMO**

7. RANGE ASSETS: 24' x 27' classroom with AAR capability through the use of a 220 power zoom camera with DVR capability.

8. Hearing and eye protection NOT provided.