

TERRY DEMO

EXPIRES: 9 JUN 2015

Range

TRANSMITTAL, ACTION AND CONTROL

For use of this form see MCoE Memo 25-52; the proponent is SGS

1. SGS LOG: ES14130998	2. IN SGS: 30 May 14	3. OUT SGS: 10 JUN 14	4. DATE PREPARED: 29 May 14
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5. SUBJECT: Range Waivers - Annual Renewals x 9 (Standard for Use by All Installation Units)

6. ACTION OFFICER/OFFICE SYMBOL/PHONE NUMBER: Bob Brown / IMBE-PL / 706-545-2918	7. DIRECTOR'S/COMMANDER'S SIGNATURE: <i>Robert W. Brown</i> Robert W. Brown, GS-15, Dir DPTMS
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SIGNATURE APPROVAL INFORMATION

SGS Editor Garrison CSM USAIS CSM USAARMS CSM MCoE CSM CDID
 GC CIG Cofs SA Comdt, IN School Comdt, AR School CG

1. PURPOSE: Gain Senior Commander approval for nine (9) standardized range waivers IAW AR 385-63 (Range Safety)

2. RECOMMENDATION: CG MCoE sign nine (9) standardized range waivers

3. DISCUSSION:

1. Attached binder contains nine (9) range waivers common to all units assigned to Fort Benning. Director DPTMS intent is to create common waiver that meets majority of requirements for live fire specific to a range. By standardizing, this reduces administrative burden on units to create files and process for review/signature.

2. All waivers have been fully staffed & coordinated. There have been no changes since last approval and no reportable incidents caused by violations of the waiver conditions.

3. Waivers are kept on file. When needed, a unit commander is only required to add his/her unit risk management worksheet to the waiver packet.

4. By Army policies and regulations, all waivers must be reviewed and renewed annually. The previous waiver is contained under each tab.

4. THIS DOCUMENT IS AUTHORED BY: Bob Brown, 706-545-2918

8. COORDINATION/APPROVAL

S: 13 Jun 2014

OFFICE	ACTION	NAME AND DATE	OFFICE	ACTION	NAME AND DATE
Range Opns	Concur	Mr. Tesch / 2 May 14			
Safety	Concur w/Cmt	Mr. Edens / 12 May 14			
DPTMS	Concur	Mr. Brown / 29 May 14			
G-3	Concur	LTC(P) Hilmes / 29 May 14			

STAFF REMARKS: (Command Group Use Only) Return to G-3. Contact Ms. Lloyd for pickup	APPROVAL AUTHORITY
	APPROVED:
	DISAPPROVED:
	NOTED:



DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY MANEUVER CENTER OF EXCELLENCE
1 KARKER STREET
FORT BENNING, GEORGIA 31905

IMBE-PL

10 JUN 2014

MEMORANDUM FOR Director, Plans, Training, Mobilization, and Security, U. S. Army Garrison, Fort Benning, Georgia 31905

SUBJECT: Range Safety Waiver for Terry Demolitions Range

1. REFERENCES:

- a. AR 385-63, Range Safety, 30 January 2012.
- b. DA PAM 385-63, Range Safety, 30 January 2012.
- c. TRADOC Regulation 385-2, TRADOC Safety Program, 23 January 2009.
- d. MCoE Regulation 350-19, Range and Terrain Regulation, March 2013.

2. Areas to be waived: When using the Kevlar Blanket/Blast Shield at Station #6, Claymore and Explosive Entry Area on Terry Demolitions Range:

- a. Area 1: Reduce the explosive Minimum Safe Distance (MSD) requirement of 100 meters of missile proof bunker to 55 meters.
- b. Area 2: Reduce the Minimum Safe Distance (MSD) for participating personnel outside of missile proof bunker from 300 meters down to no less than 8 feet and IAW 3-34.214, Chapter 7 for a maximum single charge of 0.72 lbs NET Explosive Weight (NEW).

3. Controlling/Mitigating Factors:

a. Area 1:

(1) Bunkers will be inspected by the Officer in Charge (OIC)/Range Safety Office (RSO) prior to all training events to ensure safety standards are met. A missile-proof bunker that will withstand any material thrown onto them.

(2) Soldiers not participating will be under direct control/supervision of the OIC/RSO/NCOIC and other demo qualified controller/trainers during all phases of breach training.

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(3) Soldiers not participating will be ordered into the bunkers and accounted for before breaching occurs.

(4) All demolition material will be accounted for and under direct control of demo qualified personnel at all times.

(5) The maximum single blast will not exceed 0.72 lbs of M456 Detonation Cord.

(6) All Soldiers will remain inside the bunkers until the OIC/RSO/NCOIC checks for proper detonation and gives the "All Clear."

(7) Misfires will be handled by demo qualified personnel IAW the SOP for Terry Demo Range.

(8) All Soldiers will wear Personal Protective Equipment (PPE) to include Advanced Combat Helmet (ACH), ballistic eye protection, Level 3 Body Armor, hearing protection, and gloves while live explosive is in progress.

(9) Terry Demo requires anyone not in the bunkers during breach training to be a minimum distance of 300 meters away from the blast. A missile-proof bunker that will withstand any material thrown onto them.

b. Area 2:

(1) All training will adhere to FM 3-34.214. A minimum of two demolitions certified instructors will calculate the MSD, and verified by a qualified and current Urban Master Breacher Instructor prior to any charge detonation. The standard is as follows: $\text{Net Explosive Weight in grains, cube rooted and multiplied by the constant of 12 and 300} = (\text{fragmentation distance})$.

(2) All personnel conducting explosive entry breaching will be behind the Kevlar Blanket/Blast Shield during all iteration and also will be protected by a mock-up wooden framed room made of plywood that will be constructed on the range to provide extra protection from the blast pressure and fragmentation (see enclosure for shot diagram).

(3) Minimum Safe Distance in accordance with FM 3-34.214 with Kevlar Blanket or a shield is eight feet.

(4) The material used in breaching will be wood doors only. The hinges and door knobs will be drawn on the door simulating the real thing with a marker. Soft metals can be used for hinges and door knobs which will minimize any danger of fragmentation and missile hazards.

(5) Who will supervise control measures: All cadre are responsible for the safe conduct of training on Terry Demo Range.

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4. Using units must have an approved Composite Risk Management Worksheet signed off by Post Safety and turned into Range Control prior to use.
5. This waiver will be valid for one year. In the event of an accident arising from the use of this range under these waived conditions, this waiver becomes invalid until reinstated by this headquarters.
6. Point of Contact is Mr. Brad Tesch, Operations Officer, Range Division, Directorate of Plans, Training, Mobilization, and Security, 706-544-6385.



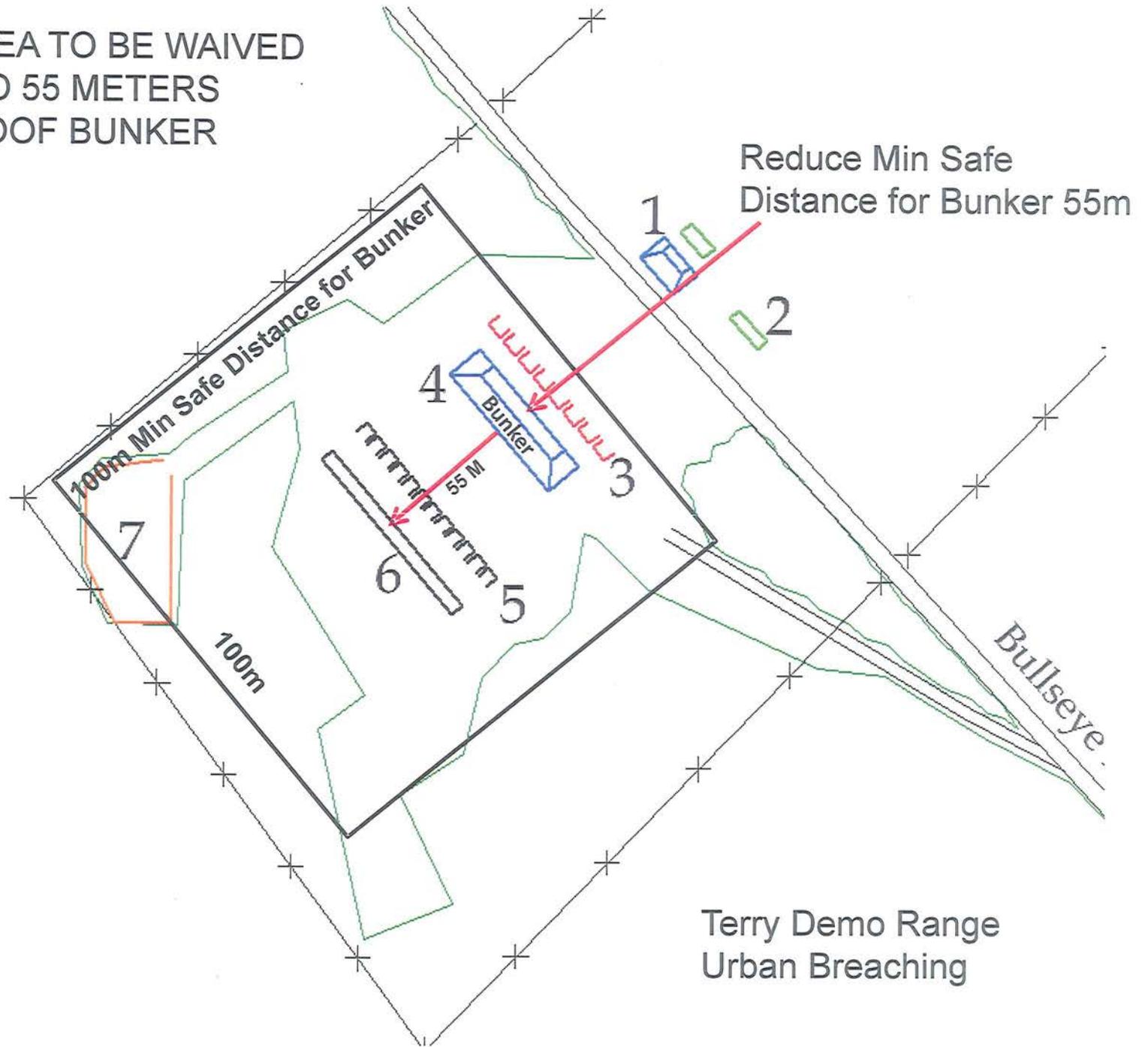
H. R. MCMASTER
Major General, USA
Commanding

1. EXPLOSIVE AREA TO BE WAIVED
100 METERS TO 55 METERS
FOR MISSILE PROOF BUNKER



Enclosure A

EXPLOSIVE AREA TO BE WAIVED
100 METERS TO 55 METERS
IN MISSILE PROOF BUNKER



Terry Demo Range
Urban Breaching

Enclosure B

2. MSD AREA TO BE WAIVED
300 METERS TO < 5 FEET FOR
BREACHING PERSONNEL



Enclosure C



Terry Demo

Ammo Bunker Station 1

Bleachers Station 2

Red Tables Station 3
Personnel Bunker Station 4

Balls Eye Road

CP

Claymore FP's
Eight Pits Station 5
Explosive Entry
Claymore Station 6

Heavy Pit Station 7

Mock-up
Wooden Frame

Enclosure D



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1 KARKER STREET
FORT BENNING, GEORGIA 31905-5000

ATZB-SO

12 May 2014

MEMORANDUM FOR Director, DPTMS (Range Division), Attn: Mr. B. Tesch, Fort Benning, GA 31905

SUBJECT: Range Safety Deviation for Terry Demo Waiver Safety Review

1. References.

- a. Range Safety Deviation for Terry Demo Waiver (02 May 2014).
- b. Army Regulation 385-10, The Army Safety Program, 27 November 2013.
- c. Army Regulation 385-63, Range Safety, 30 January 2012.
- d. Department of the Army Pamphlet 40-501, Hearing Conservation Program, 10 December 1998.
- e. Department of the Army Pamphlet 385-10, Army Safety Program, RAR 19 January 2010.
- f. Department of the Army Pamphlet 385-30, Mishap Risk Management, RAR 01 February 2010.
- g. Department of the Army Pamphlet 385-63, Range Safety, 16 April 2014
- h. Army Techniques Publication 5-19, Risk Management, April 2014
- i. MCoE Regulation 350-19, Range and Terrain Regulation, 01 March 2013

2. Document received on 07 May 2014.

3. Concur w/comment.

a. Any Soldier operating in the zone (w/i 200M) of the explosion, where the noise level will exceed 140 decibels, must wear double hearing protection.

b. Waiver document, paragraph 4. Delete all terminology using "composite" when referring to Risk Management. Composite is an antiquated term, no longer used.

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SUBJECT: Range Safety Deviation for Terry Demo Waiver Safety Review

c. Waiver document and FB Form 350-19-1-R-E. Replace all verbiage with "Deliberate Risk Assessment Worksheet", dated April 2014, in place of the Composite Risk Assessment.

4. The full performance of the Army Techniques Publication 5-19, Risk Management and DD Form 2977, begins immediately with full implementation set for 01 May 2015. The DD Form 2977 has replaced the DA Form 7566. The mandatory use of the 2977 is predicated upon the attrition of each form renewal, change in the risk approval authority, or document update.

5. Point of contact is Mr. Michael W. Risher II, MCoE/Fort Benning Safety Office, Comm. (706) 545-8278, Govt. Cell. (706) 604-7249, michael.w.risher.civ@mail.mil


JILL E. CARLSON
Director, MCOE/USAG Safety