

**FIRING/NONFIRING DATA**

For use of this form, see MCoE Regulation 350-19; the proponent is DPTMS, Range Division

1. DATE OF REQUEST

03 Dec 2015 Log #11-6-15

2. TO Chief, Range Division, Directorate of Plans, Training, Mobilization, and Security Fort Benning, GA 31905	3. RANGE: DMPRC
	4. TITLE: Gunnery
	5. PROBLEM NO: N/A
6. THRU (Unit/Activity) TF 1-28 IN, 3rd ID Fort Benning, GA. 31905	7. FROM (Unit/Activity) S3, TF 1-28 IN, 3rd ID Fort Benning, GA. 31905

**SECTION I, TYPE OF TRAINING**

a. Live Fire <input checked="" type="checkbox"/>	b. Non-live Fire <input type="checkbox"/>	c. CP/Controller Coordinates GA 0986 8872 (Control Center)
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**SECTION II, DEMOLITIONS/GRENADES/MINES/PYROTECHNICS**

a. Coordinates	b. Type	c. Model/DODAC	d. Size of Charges
See Weapons and Ammo List			

**SECTION III, WEAPONS/AMMUNITION REQUESTED**

a. Coordinates of Weapons Position	b. Type Weapon/Model Number	c. Type Ammunition	d. Left Limit <input checked="" type="checkbox"/> deg <input type="checkbox"/> mil	e. Right Limit <input checked="" type="checkbox"/> deg <input type="checkbox"/> mil
See Weapons and Ammo List	See Weapons and Ammo List	See Weapons and Ammo List	See Weapons and Ammo List	See Weapons and Ammo List

**SECTION IV, LIVE FIRE EXERCISES (Attach the following)**

**SECTION V, NON-LIVE FIRE TRAINING**

a. <input checked="" type="checkbox"/> Scenario of training to be conducted	a. Training area(s) to be occupied
b. <input checked="" type="checkbox"/> Sketch of area	b. <input type="checkbox"/> Scenario of training to be conducted
c. <input checked="" type="checkbox"/> Risk Assessment	c. <input type="checkbox"/> Sketch of area(s) to be occupied
d. <input type="checkbox"/> Attach FB Form 350-19-2-E-R if mortar or artillery is being fired	d. <input type="checkbox"/> Risk Assessment
e. Name/Rank of Requesting Officer MICHAEL J. MCCORMACK, SSG, USA TF MG	e. Name/Rank of Major Unit S3/Commander JEFFREY M. KAIN, MAJ, IN TF S-3
Signature 	Signature 

**SECTION VI, FOR RANGE DIVISION USE**

a. DATE 11 DEC 15

b. TO Chief, Range Operations Fort Benning, GA. 31905	c. FROM Range Division, Directorate of Plans, Training, Mobilization, and Security Fort Benning, GA 31905
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d. Roadblocks to be closed: See Road Block Enclosure

e. Road(s) to be closed/road barrier locations: See Road Block and Barrier Enclosure

f. Remarks: Laser Warning Signs will be in place prior to use.

g. This approval expires:

h. DATE 10 DEC 17

i. Approving Official Brad S. Tesch Chief, Range Division Directorate of Plans, Training, Mobilization, and Security	Signature 
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DEPARTMENT OF THE ARMY  
HEADQUARTERS, TASK FORCE 1-28 IN  
FORT BENNING, GEORGIA 31905

AFZP-VIA-OPS

04 November 2015

MEMORANDUM FOR CHIEF, RANGE OPERATIONS, DPTMS, FORT BENNING, GA  
31905

ATTN: MR. TESCH, FORT BENNING, GA 31905

SUBJECT: Scenario for Digital Multipurpose Range Complex (DMPRC) Mounted  
Machinegun Gunnery (MMG) and Convoy Protection Platform Gunnery (CPP)

1. **PURPOSE:** The purpose of this Mounted Machinegun Gunnery is to train elements on mounted platforms under live fire conditions while simultaneously serving as certification of platoon and section abilities to execute collective tasks and individual tasks listed below. This memorandum describes the Mounted Machinegun Gunnery (MMG) and Convoy Protection Platform Gunnery to be conducted on the DMPRC. The information provided is in accordance with MCoE Regulation 350-19. All grids referenced in this packet are NAD 83 / WGS-84.

2. **APPLICABILITY:** This memorandum applies to all Task Force units and activities within the DMPRC. All Officers in Charge (OIC), Non-Commissioned Officers in Charge (NCOIC), Range Safety Officers (RSO), Vehicle Crew Evaluators (VCE), and Observer / Controllers (OC's) will be familiar with the contents of this memorandum and all other applicable references.

3. **REFERENCES:**

- a. Army Regulation 385-63 and DA PAM 385-63, Range Safety
- b. Army Regulation 350-1, Army Training and Leader Development
- c. MCoE Regulation 350-19, Range and Terrain Regulation
- d. FM 3-23-30, Grenades and Pyrotechnic Signals
- e. TM 9-1300-206, Ammunition and Explosive Standards
- f. FM 3-20.21, HBCT Gunnery Manual
- g. FM 4-01.45, Multi-Service Tactics, Techniques and Procedures for Tactical Convoy Operations
- h. ARTEP 7-7J, MTP
- i. ARTEP 7-7J, Drill

**4. TRAINING OBJECTIVES:** The primary objective of this training exercise is to train and certify Weapons Company Platoons, and Convoy Protection Platform Crews. Training will increase the Platoon's ability to conduct mounted react to contact and mounted Platoon and Section attack battle drills. Secondary objectives for this training include, but are not limited to training leaders to make timely decisions, training individual skill level tasks, build familiarization, and building readiness amongst members of the Platoon and Section. This training will gear Task Force elements towards future combat operations. Task Force Leaders will be given sufficient time to prepare and formulate a plan for the training exercise. The published OPORD will outline and give a detailed description of their mission, task organization, execution, direct fire control measures, indirect fire control measures, and other safety considerations. Task Force units will conduct rehearsals in the form of key leader back briefs, TEWT, leader's rock drill, specialty team rehearsal, a dry and blank fire exercise, and culminate in an LFX during Gunnery Table XII.

**5. TASKS TO BE TRAINED:**

a. Collective Tasks:

- (1) Prepare for Combat
- (2) Conduct a Mounted Movement
- (3) Develop and Communicate a Plan
- (4) Conduct Platoon / Section Attack
- (5) Conduct Forward Passage of Lines
- (6) Move Tactically
- (7) React to Contact/Ambush
- (8) Perform Consolidation and Reorganization
- (9) Employ Indirect Fires (Simulated)
- (10) 9 Line MEDEVAC request (Digital)
- (11) Evacuate a Casualty
- (12) Integrate Combat Enablers

b. Leader Tasks:

- (1) Conduct Troop Leading Procedures
- (2) Control Movement of a HMMWV/LMTV Section

(3) Conduct Maneuver of a HMMWV/LMTV Section

(4) Control Fires

c. Individual Tasks:

(1) Report Enemy Information

(2) Correct Malfunctions

(3) Disseminate Information

(4) Lead a Platoon/Section

**6. AMMUNITION:**

a. HMMWV: .50 Cal Link (A557), 7.62mm Linked (A131).

b. LMTV: .50 Cal Link (A557), 7.62mm Link (A131).

c. M240B: 7.62mm Link (A131)

d. Miscellaneous Pyrotechnics and Smoke Grenades (TOW ATWESS).

e. Blank Ammunition: .50 Cal Link, 7.62mm Link.

f. 60mm and 81mm Mortars: Simulated

**7. SCHEDULING:** Each Task Force unit / activity scheduling the DMPRC will prepare and submit the following documents to Range Operations, DPTMS:

a. DA Form 7566, Deliberate Risk Management Worksheet. Which must be reviewed by MCoE Safety.

b. A scenario target list which has been reviewed and approved by Range Operations.

c. All training will be conducted IAW this memorandum. Task Force units are responsible for developing and submitting a new range packet if requested training deviates from approved range packets. All deviations / waivers must be submitted through Range Operations and MCoE Safety Office for review.

d. Task Force 1-28 IN will use the Range Facility Management and Scheduling System (RFMSS) when scheduling the DMPRC. The RFMSS request must contain a detailed daily firing time line.

**8. ADMINISTRATIVE:** Task Force 1-28 IN shall clear the range in accordance with local policies and procedures established with Range Operations. Task Force units will

be required to clean all buildings occupied during the training event. This will require that Task Force supply the following: brooms, mops, buckets, and appropriate cleaning supplies.

- a. Task Force units are responsible for clearing all brass and ammunition from the range and all firing lanes. Brass and ammunition are to be policed during daylight hours only.
- b. When firing vehicles enter the Range, all weapons will be elevated and oriented downrange.
- c. A red range flag will be provided to the using unit by Range Division personnel. The range flag will be displayed prior to live-fire training and must be returned to range support personnel prior to departing the range. A red light will be used in place of the Red Range flag during night operations.
- d. Task Force units are responsible for providing a fire detail. These personnel will be used in case of a fire downrange. All range fires will be suppressed and reported **immediately** to Range Division Alpha Base IAW MCoE regulation 350-19.
- e. Task Force units are responsible for ordering targetry for their scheduled event and ensuring delivery of targetry to the DMPRC three weeks prior to the scheduled event.
- f. The Task Force Master Gunner or representative will verify that the scenario data matches and approved by Range Operations.
- g. Crew Evaluators need to coordinate orientation training on the Crew Evaluator Workstation (CEWS) and instrumented after action review (AAR) systems three weeks prior to training event.
- h. Task Force units will proof the range before firing.
- i. The Task Force Master Gunner will coordinate with the DMPRC target personnel three weeks prior to occupying the Range to ensure target scenarios and the correct targetry have been delivered and are available and accurate for the scheduled training event.
- j. Task Force leadership must assign personnel to perform special duties such as Gate Guards, Fire Fighting details, and target detail IAW this memo.
- k. Vehicle flags will be used IAW MCoE REG 350-19.
- l. Vehicles that are running the course will be given weapon control status from the DMPRC Control Center and maintain weapons systems downrange at all times until cleared by the Range Safety Officer.

m. The use of POVs are not authorized in the training area unless approved by the installation range officer. Reference MCoE Policy Memorandum 385-63-1 for guidance on exception to policy requests.

n. Roadblocks, barriers, and gates will be closed and manned IAW the Roadblock / Road Guard concept (Enclosure 2: Gate and Roadblock Concept).

o. The Task Force will be required to provide a Soldier Target Detail for the duration of the training event in order to facilitate Range personnel's upkeep of the Range during use.

p. No open flames will be allowed within 50 feet of the established ammo point. Two 10lb bicarbonate fire extinguishers will be available at all times at the ammunition point. Ammunition Non-Commissioned Officer will control the issue of live ammunition and maintain accountability at all times. All ammunition will be issued and turned in to the Ammunition NCO and logged. The Ammo NCO must be Ammo Handler certified. Ammunition will be separated at all times by DODIC.

q. There will be no deviations from the approved packet unless approved by Range Operations in writing.

**Note:** There will be no de-linking or re-linking of any ammunition. Any ammunition that has been de-or re-linked is considered nonstandard and is prohibited from the range.

9. **OPENING OF RANGE:** Task Force 1-28 IN will have in its possession the approved 144R, approved 350-19-1-E-R, approved RFMSS Request Summary, Range SOP, and Deliberate Risk Assessment Worksheet that has been reviewed by Post Safety, before occupation of the DMPC. The OIC will call in to Range Division Alpha Base and request permission to occupy the range complex for which the Task Force is scheduled. Appropriate overlays will be posted upon arrival.

#### 10. **SAFETY:**

a. In the event of an accident regardless of injury or illness, the OIC/RSO will immediately call a cease fire and call Range Division Alpha Base and Task Force Headquarters. The OIC/RSO will take action as directed by Range Division Alpha Base. Contacting E-911 is the responsibility of the Task Force unit on the ground. Range Division Alpha Base can facilitate and provide information if necessary. Reports must adhere to the standard 9-Line MEDEVAC to determine what type of evacuation is the most appropriate for the injury (loss of life, limb, or eyesight). MEDEVAC will be IAW MCoE REG 350-19 and MCoE 40-2. Landing zone for MEDEVAC aircraft will be established prior to use and will be marked appropriately. The cease fire will remain in effect until cleared by Range Division Alpha Base. The OIC and RSO will ensure that the medics know the lane and the ground routes to and from the lanes to the hospital in case ground evacuation must be conducted. If a Soldier needs to be aerial evacuated, it will be from the point of injury unless deemed unsafe for Air.

b. The OIC/RSO will use the procedures outlined in this safety paragraph. The following information will be furnished by the OIC/RSO to Range Division Alpha Base:

- i. Designation of unit.
- ii. Range and location.
- iii. Type of weapon involved
- iv. Type of ammunition involved.
- v. Brief summary of what happened.
- vi. Personnel injuries and extent.
- vii. Full Name, SSN#, rank, and unit of injured personnel
- viii. Extent of property damage.
- ix. Intentions regarding an AR 15-6 investigation

c. The emergency cease fire signal and E-911 medical evacuation procedures will be briefed at the range safety brief.

d. A Field Litter Ambulance (FLA) with qualified medics will be present throughout the duration of the gunnery. Medical support will be located IVO the Command Post.

e. Task Force units will maintain continuous contact with Range Division Alpha Base at all times. If communications are lost, the Task Force will go into a self-induced check fire until communications are restored.

f. When a malfunction is experienced, the OIC/RSO will suspend all firing and immediately notify Range Division Alpha Base personnel on the range. The weapons and all components and ammunition involved will remain in place. The cease fire will remain in effect until cleared by Range Division Alpha Base. An investigation is required and will be conducted by the ammunition and weapons inspection personnel and DOL.

g. All vehicles will be cleared by the Range Safety Officer.

h. There will be an ammunition shakedown after every iteration. All Leaders, RSO, and OIC will ensure that the mix of blank and live ammunition does not occur.

i. Vehicles will remain generally adjacent to one another (online) while firing. At no time, will a vehicle fire while another is to its front unless cleared and approved by the range scenario and installation Safety Office.

j. When firing dual lanes only the approved targets that will be used are targets that are common to both firing points.

k. In the event of a suspected round out of impact area, CEASE FIRE FREEZE will be given. Range Division Alpha Base will be notified immediately. The weapon system in question will not be touched or moved until cleared by Range Division Alpha Base.

l. Gate guards will have constant communication with the Range OIC. In the event a unit or Range Division DMPCRC Personnel element needs to travel through the DMPCRC, the Range will be put into a cease fire through the Range Division Alpha Base radio room. Accountability of the traveling element needs to be maintained at all times. DMPCRC will not be allowed to go hot status until the traveling unit has passed through and is beyond the limits of the range complex. Once the OIC is notified, the Range Division Alpha Base radio room will be notified and the Task Force will be allowed to continue firing.

m. Safety briefs will be conducted in the morning and in the evenings before conducting operations on the range complex by the RSO.

n. The "Crawl-Walk-Run" method of training will be the standard method used for this MMG. A detailed leader's TEWT will outline all range fans, restrictions, and safety considerations. Company rehearsals and day / night dry fire exercises will be conducted prior to Companies receiving clearance to participate in any MMG. All iterations will have dedicated Observer / Controller (OC) teams

o. All wildlife and environmental considerations will be enforced.

p. All misfire procedures will be rehearsed before starting the lane. The OIC will ensure that the section fully understands the proper misfire procedures and safety checks before allowing them to start the lane.

q. At no time will ammunition be fired over the heads of Soldiers.

r. All Soldiers will be briefed that any Soldier observing an unsafe act can immediately call a cease fire.

s. Blank Firing Adapters will be used during all blank firing iterations and removed prior to conducting the live fire exercise. This will be confirmed before every iteration by the range cadre.

t. Range Safeties will ensure that all weapons systems are oriented and firing within the range limits as specified in FB 350-19-1-E-R.

u. Task Force leadership will conduct a terrain walk with the OIC and Range Safeties prior to execution of the range to verify understanding of range limits.

v. Dry, blank, and live fire scenarios will be the same for each executing unit.

w. Crews will be briefed on the necessity of positively identifying their targets prior to engaging, especially when conducting CBRN engagements.

x. All live fire participants will be thoroughly briefed on phase lines and checkpoints. Elements will report when they have executed phase lines and are set at battle positions.

y. Each section must be certified blank before being allowed to conduct live fire.

z. Target Reference Points (TRP's) will be placed on the range and briefed prior to the start of the exercise. TRP's are as follows:

1. Phase Line GREEN:
  - a. Left TRP is the left range limit marker.
  - b. Center TRP will be set at Target SA 8.
  - c. Right TRP is the right range limit marker.
  
2. Phase Line RED:
  - a. Left TRP is the left range limit marker.
  - b. Center TRP will be set at Target SA40
  - c. Right TRP is the right range limit marker.
  
3. LOA:
  - a. Left TRP is the left range limit marker.
  - b. Center TRP will be set at Target SA53
  - c. Right TRP is the right range limit marker.

aa. Class III A lasers are not eye safe on dual low mode within 25 meters. PEM-1A is not a tactical laser and must be used within 25 meters. Laser warning signs will be in place prior to opening the range. Master Gunners will ensure that all laser targets have appropriate backstops and their surrounding area is clear of specular materials. **Range safety briefings will include hazards using LASERS and NVD's while on the DMPCRC.**

**11. CONCEPT OF TRAINING:** The operation will be conducted in three phases.

a. Phase I – **PREPARATIONS:** Task Force units will conduct all necessary PMI training prior to execution. This training will include rehearsals of all the skills required for the LFX. All platoon equipment will be inspected for serviceability and safety prior to training. All vehicles will be properly dispatched, and all support requests will be completed and confirmed. Coordination will also be made with Range Operations to ensure all issues are addressed before training is conducted.

b. Phase II – **LFX/GUNNERY:** The LFX/Gunnery will be consist of Tables III-Table XII.

(1) Occupation of the Range – The platoons will conduct movement to the DMPCRC, and move to their designated assembly areas or occupy their gun firing order. The exercise command post will be located in the vicinity of the DMPCRC Control Center. The Battalion S-3 will ensure the targets are in working order. The OIC will coordinate with target systems to inspect all targets and ensure they are protected from any fires. The OIC/RSO will ensure that there is good communications with the target operator, and that they fully understand the desired scenario. All safety briefs will be conducted at this time, and communications established with higher headquarters and Range Division Alpha Base.

(2) Gunnery Training – Each HMMWV/LMTV crew will be validated through Gunnery Tables I-VI prior to progressing to Gunnery Tables VII-XII (Platoon/Section level Gunnery) on the DMPRC. Day and Night engagements will be conducted IAW FM 3-20.21 using the approved targets, Battle Positions and Maneuver firing boxes from Range Division Alpha Base. (See Enclosure 1: Target List Enclosure). Once the HMMWV/LMTV crew has engaged the last target in each iteration on the DMPRC, they will place all weapon systems on safe, clear, and proceed back to the SP along their respective lanes with weapons oriented downrange and pointed away from all troops and vehicles. Once they have been cleared off the range by the RSO, the next vehicle crew will begin their Gunnery. All crews will take commands from the DMPRC Control Center (OIC/RSO/Master Gunner). If communications are a problem, an OC on the ground with the vehicle crew will relay follow on guidance from the DMPRC Control Center.

(3) Blank/Live Fire Training – Once the range is established, each element must certify on a dry/blank iteration before being allowed to execute either a day live fire or night live fire respectively. Once an element is ready to execute the lane, they will move to the start point (SP) of the lane located at the base of Lanes 1, 2, 3, or 4 depending on the Gunnery Table. Table VII (Dry), Table VIII (Practice), and Table IX (Section Qual.) will utilize Lanes 3 and 4. Platoon level qualifications will be conducted on all lanes with Table X (Dry), Table XI (Blank), and Table XII (Live). The Company Commander will certify sections. The Battalion Commander will certify Platoons. At the SP, the sections will be prompted by the DMPRC Control Center directing them to move out down the Offense Lanes and begin the engagements. Upon completion of each lane, all unused ammo and pyro will be turned back in to the ammo point. Once they are cleared off the range by the RSO, vehicles will move back to the Motor Pool Area and rechecked by leaders observed by an OC to ensure that there is no remaining ammunition. The limits of FB 350-19-1-E-R will be enforced at all times during blank and live fire training. When not on the lane, sections are encouraged to conduct battle drill rehearsals.

c. **Phase III – Recovery:** Once the Platoon or Section has been cleared from the range, the element will move to the designated company area. A closing report must be submitted at the completion of training. A detailed recovery will be conducted as per Task Force SOP. A detailed After Action Review (AAR) will be conducted as well. This will include the observers if at all possible.

## 12. CONCEPT OF OPERATIONS:

a. Task Force units will be conducting a four phase Convoy Protection Platform Gunnery and Mounted Machinegun Gunnery (MMG) on the DMPRC. The four phases are: (1) Prepare for Combat, (2) Infiltration, (3) Execution, (4) Consolidation and Reorganization. All crews will be Gunnery Table VI qualified prior to the execution of Tables VII-XII. Each Gunnery Table from Table III to Table XII will consist of a day and night iteration. All Task Force units will be required to conduct and certify on a dry or blank fire iteration prior to conducting any live fire lane. Lanes 1, 3, 4, and 5 will be utilized for the MMG and CPP. All FPs and BPs will be utilized as dictated by the approved range scenario. All vehicles will place their weapons on safe at the

completion of the lane. All HMMWVs and LMTVs will clear weapon systems at their final battle position with weapon systems oriented downrange. Additionally, this exercise involves fire and maneuver into an objective area utilizing indirect fire support\* and the incorporation of various combat enablers.

**\*Note:** Indirect fire support may be simulated as well as CASEVAC due to training constraints or resourcing shortfalls that may arise during the planning process.

b. All gunners will be certified through Tables I-VI. This portion of training will consist of crews occupying the final set of battle positions and engaging targets on their assigned lanes. Once the scenario is complete, crews will place their weapons on safe, maintain muzzles oriented downrange, and clear their weapons of all ammunition. Upon arrival to the baseline, the RSO will clear each vehicle off the range. No maneuver into the impact area or the movement of troops is authorized during this portion of training. Target scenarios will be in accordance with the DMPC approved target list worksheet.

### **PHASE 1: Prepare for Combat**

This phase begins with the issue of the WARNO and ends when Platoons, sections, and crews are in their mounted configuration occupying the gun firing order or Company assembly area. The Company Commander will issue their WARNO prior to entering the DMPC and may issue their OPORD prior to entering the DMPC if time permits. The Company Commander and OCs will evaluate Platoons and Sections on their ability to issue an OPORD/WARNO, the Troop Leading Procedures, back briefs, and rehearsals. Platoon and Section Leaders should develop and communicate a plan that is understood and disseminated to the lowest level.

### **PHASE 2: Infiltration**

This phase begins with the occupation of the gun firing order and ends once the element reports SP into sector from the Line of Departure (LD) to higher. Mounted elements will proceed along RTE HOURGLASS onto the range course road towards BP 3A and 4A. All vehicles will upload ammunition upon arrival at BPs 3A and 4A. Once ammunition upload is complete, vehicle commanders will notify the Control Center. Control Center will provide elements with an opportunity to conduct a test fire from BPs 3A and 4A. Control Center will raise Target Set 1. Once test fires are complete, vehicle commanders will notify the Control Center that "test fires are complete." Vehicle commanders will then ensure that their weapon systems transition to safe when not engaging targets and oriented downrange prior to proceeding to their designated lanes. Any malfunctions must be corrected in a timely manner. If a vehicle cannot clear the malfunction, they may be pulled from the lane after downloading all ammunition and clearing weapon systems. Once prompted by the Control Center, Platoons/Sections will continue mission traveling North on RTE HOURGLASS in order to conduct a forward passage of lines from the LD to PL GREEN. At PL GREEN, the element will receive a FRAGO to conduct a movement to contact from PL GREEN to PL BLUE. This will serve as the start of Mounted Machinegun Gunnery and CPP.

### **PHASE 3: Execution**

a. Table VII Day Iteration

- (1) Vehicle crews will use lanes 3 and 4.
- (2) Crews will pull into BPs 3A and 4A Identify their left and right limits, load ammunition and will be presented a target to conduct test fire.
- (3) Engagement one and two will be offensive engagements fired from MB 3-1 start to stop and MB 4-1 start to stop; both vehicles will move together and remain online for the duration of the maneuver box.
- (4) Engagement three will be a short halt engagement fired from a TCP located where underwood road intersects lane 3 and 4. Crew will be notified enemy light armored vehicles are expected in the area so they utilize the simulated TOW.
- (5) Engagement four will be a defensive engagement fired from BPs 3B and 4B.
- (6) Engagement five will be a defensive engagement fired from BPs 3C and 4C.
- (7) Engagement six will be a CBRN defensive engagement fired from BPs 3C and 4C.
- (8) Engagement seven will be a defensive engagement fired from BPs 3C and 4C, displaying an overwhelming force prompting the section to call for fire and break contact.
- (9) At this point the Control Center will inform section to lock, clear and place all weapons on safe, maintain weapons orientation up and down range and move to the RSO pit to be cleared off the range by the RSO.

b. Table VII Night Iteration

- (1) Vehicle crews will use lanes 3 and 4.
- (2) Crews will pull into BPs 3A and 4A Identify their left and right limits, load ammunition and will be presented a target to conduct test fire.
- (3) Engagement one will be a defensive engagement fired from BPs 3A and 4A.
- (4) Engagement two will be an offensive engagement fired from MB 3-1 start to stop and MB 4-1 start to stop. Vehicles will move together and remain online for the duration of the maneuver box while they fire.
- (5) Engagement three will be a short halt engagement fired from a TCP located where Underwood Road intersects lanes 3 and 4; section will be informed there is enemy light armor in the area to prompt them to use the simulated TOW.
- (6) Engagement four will be a defensive engagement fired from BPs 3B and 4B.
- (7) Engagement five will be a defensive engagement fired from BPs 3C and 4C.
- (8) Engagement six will be a CBRN defensive engagement fired from BPs 3C and 4C.
- (9) Engagement seven will be a defensive engagement fired from BPs 3C and 4C displaying an overwhelming force prompting the section to call for fire and break contact.
- (10) At this point the Control Center will inform section to lock, clear and place all weapons on safe, maintain weapons orientation up and down range and move to the RSO pit to be cleared off the range by the RSO.

c. Table IX Day Iteration

- (1) Vehicle crews will use lanes 4 and 5, with the TOW crew on lane 5.
- (2) Crews will pull into BPs 4A and 5A identify their left and right limits, load ammunition and be presented a target to test fire.
- (3) Engagements one and two will be offensive engagements fired from MB 4-1 start to stop and MB 5-1 start to stop. Vehicles will move together and remain online for the duration of the maneuver box while they fire.
- (4) Engagement three will be a short halt engagement fired from a TCP located where Underwood Road intersects lanes 4 and 5.
- (5) Engagement four will be a defensive engagement fired from BPs 4B and 5B, section will be informed enemy light armor is operating in the area to prompt to use simulated TOW.
- (6) Engagement five will be a defensive engagement fired from BPs 4C and 5C.
- (7) Engagement six will be a CBRN defensive engagement fired from BPs 4C and 5C.
- (8) Engagement seven will be a defensive engagement fired from BPs 4C and 5C displaying an overwhelming force prompting the section to call for fire and break contact.
- (10) At this point the Control Center will inform section to lock, clear and place all weapons on safe, maintain weapons orientation up and down range and move to the RSO pit to be cleared off the range by the RSO.

#### d. Table IX Night Iteration

- (1) Vehicle crews will use lanes 4 and 5, with the TOW crew on lane 5.
- (2) Crews will pull into BPs 4A and 5A identify their left and right limits, load ammunition and be presented a target to test fire.
- (3) Engagements one and two will be defensive engagements fired from BPs 4A and 5A.
- (4) Engagement three will be an offensive engagement fired from MB 4-1 start to stop and MB 5-1 start to stop. Vehicles will move together and remain online for the duration of the maneuver box while they fire.
- (5) Engagement four will be a defensive engagement fired from BPs 4B and 5B.
- (6) Engagement five will be a defensive engagement fired from BPs 4C and 5C.
- (7) Engagement six will be a CBRN defensive engagement fired from BPs 4C and 5C.
- (8) Engagement seven will be a defensive engagement fired from BPs 4C and 5C, displaying an overwhelming force prompting the section to call for fire and break contact.
- (10) At this point the Control Center will inform section to lock, clear and place all weapons on safe, maintain weapons orientation up and down range and move to the RSO pit to be cleared off the range by the RSO.

#### e. Table X Day Iteration

(1) Vehicles crews will use lanes 1, 3, 4 and 5 until they move past Underwood Road where lane 5 vehicle will transition to lane 6. TOWs will use lanes 3 and 5.

(2) Crews will pull into BPs 1A, 3A, 4A and 5A identify their left and right limits, load ammunition and be presented a target to conduct test fire.

(3) Engagement one will be an offensive engagement fired from MB 1-1 start to stop, MB 3-1 start to stop, MB 4-1 start to stop and MB 5-1 start to stop. Vehicles will move together and remain online for the duration of the maneuver box while they fire.

(4) Engagement two will be a short halt engagement fired from TCP 1 located at MB 1-1 stop, MB 3-1 stop, MB 4-1 stop and MB 5-1 stop. Platoon will be informed of enemy light armor operating in the area to prompt them to utilize the simulated TOW.

(5) Engagement three will be a short halt engagement fired from TCP 2 located where Underwood Road intersects lanes 1, 3, 4 and 5.

(6) Once complete with engagement three lane 5 vehicle will transition to lane 6 and use it for the remainder of the iteration.

(7) Engagement four will be a defensive engagement fired from BPs 1B, 3B, 4B and 6B.

(8) Engagement five will be a defensive engagement fired from BPs 1C, 3C, 4C and 6C.

(9) Engagement six will be a CBRN defensive engagement fired from BPs 1C, 3C, 4C and 6C.

(10) Engagement seven will be a defensive engagement fired from BPs 1C, 3C, 4C and 6C, displaying an overwhelming force prompting the element to call for fire and break contact.

(11) At this time the Control Center will inform the crews to lock, clear and place all weapons on safe and move to the RSO pit to be cleared off the range by the RSO.

#### f. Table X Night Iteration

(1) Vehicles crews will use lanes 1, 3, 4 and 5 until they move past Underwood Road where lane 5 vehicle will transition to lane 6. TOWs will use lanes 3 and 4.

(2) Crews will pull into BPs 1A, 3A, 4A and 5A identify their left and right limits, load ammunition and be presented a target to conduct test fire.

(3) Engagement one will be a defensive engagement fired from BPs 1A, 3A, 4A and 5A.

(4) Engagement two will be an offensive engagement fired from MB 1-1 start to stop, MB 3-1 start to stop, MB 4-1 start to stop and MB 5-1 start to stop. Vehicles will move together and remain online for the duration of the maneuver box while they fire.

(5) Engagement three will be a short halt engagement fired from TCP 2 located where Underwood Road intersects lanes 1, 3, 4 and 5. Platoon will be informed of enemy light armor operating in the area to prompt them to use simulated TOW.

(6) Once complete with engagement three lane 5 vehicle will transition to lane 6 and use it for the remainder of the iteration.

(7) Engagement four will be a defensive engagement fired from BPs 1B, 3B, 4B and 6B.

(8) Engagement five will be a defensive engagement fired from BPs 1C, 3C, 4C and 6C.

(9) Engagement six will be a CBRN defensive engagement fired from BPs 1C, 3C, 4C and 6C.

(10) Engagement seven will be a defensive engagement fired from BPs 1C, 3C, 4C and 6C, displaying an overwhelming force prompting the element to call for fire and break contact.

(11) At this time the Control Center will inform the crews to lock, clear and place all weapons on safe and move to the RSO pit to be cleared off the range by the RSO.

#### g. Table XI Day Iteration

(1) Vehicles crews will use lanes 1, 3, 4 and 5 until they move past Underwood Road where lane 5 vehicle will transition to lane 6. TOWs will use lanes 3 and 5.

(2) Crews will pull into BPs 1A, 3A, 4A and 5A identify their left and right limits, load ammunition and be presented a target to conduct test fire.

(3) Engagement one will be an offensive engagement fired from MB 1-1 start to stop, MB 3-1 start to stop, MB 4-1 start to stop and MB 5-1 start to stop. Vehicles will move together and remain online for the duration of the maneuver box while they fire.

(4) Engagement two will be a short halt engagement fired from TCP 1 located at MB 1-1 stop, MB 3-1 stop, MB 4-1 stop and MB 5-1 stop. Platoon will be informed of enemy light armor operating in the area to prompt them to utilize the simulated TOW.

(5) Once the element reaches Underwood Road lane 5 vehicle will transition to lane 6 and use it for the duration of the iteration.

(6) Engagement three will be a defensive engagement fired from BPs 1B, 3B, 4B and 6B.

(7) Engagement four will be a CBRN defensive engagement that will be fired from BPs 1B, 3B, 4B and 6B.

(8) Engagements five and six will be defensive engagements fired from BPs 1C, 3C, 4C and 6C.

(9) Engagement seven will be a defensive engagement fired from BPs 1C, 3C, 4C and 6C, displaying an overwhelming force prompting the element to call for fire and break contact.

(10) At this time the Control Center will inform the crews to lock, clear and place all weapons on safe and move to the RSO pit to be cleared off the range by the RSO.

#### h. Table XI Night Iteration

(1) Vehicles crews will use lanes 1, 3, 4 and 5 until they move past Underwood Road where lane 5 vehicle will transition to lane 6. TOWs will use lanes 3 and 5.

(2) Crews will pull into BPs 1A, 3A, 4A and 5A identify their left and right limits, load ammunition and be presented a target to conduct test fire.

(3) Engagement one will be a CBRN defensive engagement fired from BPs 1A, 3A, 4A and 5A.

(4) Engagement two will be an offensive engagement fired from MB 1-1 start to stop, MB 3-1 start to stop, MB 4-1 start to stop and MB 5-1 start to stop. Vehicles will move together and remain online for the duration of the maneuver box while they fire.

(5) Engagement three will be a short halt engagement fired from TCP 1 located at MB 1-1 stop, MB 3-1 stop, MB 4-1 stop and MB 5-1 stop. Platoon will be informed of enemy light armor operating in the area to prompt them to utilize the simulated TOW.

(6) Once element reaches underwood road lane 5 vehicle will transition to lane 6 and use it for the duration of the iteration.

(7) Engagement four will be a defensive engagement fired from BPs 1B, 3B, 4B and 6B.

(8) Engagements five and six will be defensive engagements fired from BPs 1C, 3C, 4C and 6C.

(9) Engagement seven will be a defensive engagement fired from BPs 1C, 3C, 4C and 6C, displaying an overwhelming force prompting the element to call for fire and break contact.

(10) At this time the Control Center will inform the crews to lock, clear and place all weapons on safe and move to the RSO pit to be cleared off the range by the RSO.

#### i. Table XII Day iteration

(1) Vehicles crews will use lanes 1, 3, 4 and 5 until they move past Underwood Road where lane 5 vehicle will transition to lane 6. TOWs will use lanes 3 and 5.

(2) Crews will pull into BPs 1A, 3A, 4A and 5A identify their left and right limits, load ammunition and be presented a target to conduct test fire.

(3) Engagements one and two will be offensive engagements fired from MB 1-1 start to stop, MB 3-1 start to stop, MB 4-1 start to stop and MB 5-1 start to stop. Vehicles will move together and remain online for the duration of the maneuver box while they fire.

(4) Engagement three will be a short halt engagement that will be fired from TCP 2 located where Underwood Road intersects lanes 1, 3, 4 and 5 platoon will be informed that enemy light armor is operating in the area to prompt them to use simulated TOW.

(5) Once complete with engagement three lane 5 vehicle will transition to lane 6 and use it for the remainder of the iteration.

(6) Engagement four will be a defensive engagement fired from BPs 1B, 3B, 4B and 6B.

(7) Engagement five will be a defensive engagement fired from BPs 1C, 3C, 4C and 6C.

(8) Engagement six will be a CBRN defensive engagement fired from BPs 1C, 3C, 4C and 6C.

(9) Engagement seven will be a defensive engagement fired from BPs 1C, 3C, 4C and 6C, displaying an overwhelming force prompting the element to call for fire and break contact.

(10) At this time the Control Center will inform the crews to lock, clear and place all weapons on safe and move to the RSO pit to be cleared off the range by the RSO.

#### j. Table XII Night Iteration

(1) Vehicles crews will use lanes 1, 3, 4 and 5 until they move past Underwood Road where lane 5 vehicle will transition to lane 6. TOWs will use lanes 3 and 5.

(2) Crews will pull into BPs 1A, 3A, 4A and 5A identify their left and right limits, load ammunition and be presented a target to conduct test fire.

(3) Engagements one and two will be defensive engagements fired from BPs 1A, 3A, 4A and 5A.

(4) Engagement three will be an offensive engagement fired from MB 1-1 start to stop, MB 3-1 start to stop, MB 4-1 start to stop and MB 5-1 start to stop. Vehicles will move together and remain online for the duration of the maneuver box while they fire.

(5) Once element reaches Underwood Road lane 5 vehicle will transition to lane 6 and use it for the duration of the iteration.

(6) Engagement four will be a defensive engagement fired from BPs 1B, 3B, 4B and 6B.

(7) Engagement five will be a defensive engagement fired from BPs 1C, 3C, 4C and 6C. Platoon will be informed of enemy light armor operating in the area to prompt them to utilize simulated TOW.

(8) Engagement six will be a CBRN defensive engagement fired from BPs 1C, 3C, 4C and 6C.

(9) Engagement seven will be a defensive engagement fired from BPs 1C, 3C, 4C and 6C, displaying an overwhelming force prompting the element to call for fire and break contact.

(10) At this time the Control Center will inform the crews to lock, clear and place all weapons on safe and move to the RSO pit to be cleared off the range by the RSO.

#### **PHASE 4: Consolidation and Reorganization**

This phase begins once vehicles are cleared off the range by the RSO and ends at the completion of the AAR. Units will conduct AARs at the DMPCRC Theater or a predetermined location. OCs will facilitate the AAR and record feedback from Task Force Units for consolidation. A 100% sensitive items check will be conducted and ammunition turned in to the Ammunition Supply Point. Range clean up details will be conducted at the conclusion of Gunnery Table XII (or weekends) when no firing is being conducted by the range detail to facilitate a thorough and speedy recovery from the range. The occupying unit will not clear the DMPCRC until all closing codes are received, Range Division Alpha Base confirms range is clear, and all ammunition requirements are met.

#### **13. CLOSURE OF THE RANGE:**

a. The OIC notifies Range Division Alpha Base that firing has terminated, debriefs unit personnel, and ensures that clearing of the range and training area is completed to local regulation and SOPs.

b. The NCOIC supervises ammunition and target details and ensures that range facilities have been policed.

c. The Ammunition NCO ensures that only authorized personnel remove munitions from the range and prepares the residue documentation required by the ammunition supply point (ASP). Any found UXO will be marked and immediately reported to Range Division Alpha Base and taken care of by EOD IAW MCoE REG 350-19.

d. A detailed cleanup of the range will be conducted once all training is completed. All temporary targets will be removed, and their locations sterilized. All equipment and trash brought to the range will be removed, and the proper closing codes will be obtained from Range Division Alpha Base.

e. A 100% sensitive items check will be done prior to leaving the DMPRC.

#### 14. SIGNAL:

a. Communications will be maintained between all key maneuvering elements and OC's at all times. This includes vehicle to vehicle, vehicle to OC, and vehicle to Range Safety Officer (RSO), and OIC to RSO. A cease fire will be given if any vehicle loses communication at any time.

b. Primary method of communication is FM. Alternate method of communication is FBCB2 or JCR.

c. Emergency cease fire signals will be briefed prior to the start of all training exercises and will consist of Red Smoke (day)/VS17 panel and Red Star Cluster (night).

d. The point of contact for this memorandum is 1LT Joseph S. White at [joseph.s.white49.mil@mail.mil](mailto:joseph.s.white49.mil@mail.mil) or at (706)-544-2921. Additionally, the Battalion Master Gunner, SSG Michael J. McCormack at [michael.j.mccormack42.mil@mail.mil](mailto:michael.j.mccormack42.mil@mail.mil).

  
JEFFERY M. KAIN  
MAJ IN  
Operations Officer

# GT VII – Section Proficiency Exercise



STANDARDS

LANE #	ENG #	CONDITIONS	VEH LOC	TARGET INFORMATION						STANDARDS
				TYPE	PRI	ALT	RNG	EXP	AMMO	
3	1	OFF DAY	MB 3-1 START TO MB 3-1 STOP	TROOPS	T 8	T 36	440M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	1	OFF DAY	MB 4-1 START TO MB 4-1 STOP	TROOPS	SA 2	T4	350M	50 sec	CAL 50/7.62mm	Hit one target with one round
3	2	OFF DAY	15 SEC DELAY MB 3-1 START TO MB 3-1 STOP	TRUCK	SA 6	SA 5	910M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
4	2	OFF DAY	15 SEC DELAY MB 4-1 START TO MB 4-1 STOP	TRUCK	M301	SA 63	950M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
									TOW/ ATWESS	Hit one target with one round
3	3	S/H DAY	TCP	TROOP	T 16	SA 30	775M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	3	S/H DAY	TCP	TRUCK	SA 30	T 20	665M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
3	4	DEF DAY	3B	TROOP	T 26	T 52	450M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	4	DEF DAY	4B	TRUCK	SA 28	SA 33	650M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
		TCP IS AT UNDERWOOD ROAD								

**DMPRC**

# GT VII – Section Proficiency Exercise



LANE #	ENG #	CONDITIONS	VEH LOC	TARGET INFORMATION						STANDARDS
				TYPE	PRI	ALT	RNG	EXP	AMMO	
3	1	DEF NIGHT	3A	TROOP	T 1	T 36	440M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
4	1	DEF NIGHT	4A	TRUCK	SA 2	T 4	360M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
3	2	OFF NIGHT	MB 3-1 START TO MB 3-1 STOP	TRUCK	SA 4	T 8	670M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	2	OFF NIGHT	MB 4-1 START TO MB 4-1 STOP	TROOP	T 4	SA 63	470M	50 sec	CAL 50/7.62mm	Hit one target with one round
3	3	S/H NIGHT	TCP	TRUCK	M202	SA 58	1060M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
4	3	S/H NIGHT	TCP	TRUCK	SA 28	SA 33	1040M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
3	4	DEF NIGHT	3B	TROOP	T 52	SA 58	575M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	4	DEF NIGHT	4B	TROOP	T 24	T 28	610M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
		TCP IS LOCATED AT UNDERWOOD ROAD								

**DMPRC**

# GT VII – Section Proficiency Exercise



LANE #	ENG #	CONDITIONS	VEH LOC	TARGET INFORMATION						STANDARDS
				TYPE	PRI	ALT	RNG	EXP	AMMO	
3	5	DEF DAY	3C	TRUCK	SA 36	T 33	840M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
4	5	DEF DAY	4C	TRUCK	M203	SA 48	800M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
									TOW/ ATWESS	Hit one target with one round
3	6	DEF DAY (CBRNE)	3C	TROOP	T 29	SA 37	445M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	6	DEF DAY (CBRNE)	4C	TRUCK	T 31	SA 32	450M	50 sec	CAL 50/7.62mm	Hit one target with one round
3	7	DEF DAY	3C	TRUCK	SA53		760M	50 sec	CAL 50/7.62mm	CFF
				TRUCK	SA49		800M	50 sec	CAL 50/7.62mm	CFF
				TRUCK	SA48		830M	50 sec	CAL 50/7.62mm	CFF
4	7	DEF DAY	4C	TRUCK	SA44		840M	50 sec	CAL 50/7.62mm	CFF
				TRUCK	SA21		820M	50 sec	CAL 50/7.62mm	CFF
				TRUCK	M303		900M	50 sec	CAL 50/7.62mm	CFF

DMPRC

# GT VII – Section Proficiency Exercise



LANE #	ENG #	CONDITIONS	VEH LOC	TARGET INFORMATION						STANDARDS
				TYPE	PRI	ALT	RNG	EXP	AMMO	
3	5	DEF NIGHT	3C	TRUCK	SA37	T 29	460M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
4	5	DEF NIGHT	4C	TRUCK	SA 40	SA 32	500M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
3	6	DEF NIGHT (CBRNE)	3C	TROOPS	T 30	T 14	125M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	6	DEF NIGHT (CBRNE)	4C	TROOPS	T 22	T 32	100M	50 sec	CAL 50/7.62mm	Hit one target with one round
3	7	DEF NIGHT	3C	TRUCK	SA53		760M		CAL 50/7.62mm	CFF
				TRUCK	SA49		800M		CAL 50/7.62mm	CFF
				TRUCK	SA48		830M		CAL 50/7.62mm	CFF
4	7	DEF NIGHT	4C	TRUCK	SA44		840M		CAL 50/7.62mm	CFF
				TRUCK	SA21		820M		CAL 50/7.62mm	CFF
				TRUCK	M303		900M		CAL 50/7.62mm	CFF

**DMPRC**

# GT IX – Section Qualification



**STANDARDS**

LANE #	ENG #	CONDITIONS	VEH LOC	TARGET INFORMATION						STANDARDS
				TYPE	PRI	ALT	RNG	EXP	AMMO	
4	1	OFF DAY	MB 4-1 START TO MB 4-1 STOP	TRUCK	SA 2	T 13	350M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
5	1	OFF DAY	MB 5-1 START TO MB 5-1 STOP	TROOPS	T 6	T 5	450M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	2	OFF DAY	15 SEC DELAY MB 4-1 START TO MB 4-1 STOP	TRUCK	SA 3	T 12	840M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
5	2	OFF DAY	15 SEC DELAY MB 5-1 START TO MB 5-1 STOP	TRUCK	SA 1	M301	770M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
4	3	S/H DAY	TCP	TRUCK	SA 30	SA 17	640M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
5	3	S/H DAY	TCP	TROOP	T 40	SA 26	460M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	4	DEF DAY	4B	TRUCK	M 202	SA 58	750M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
5	4	DEF DAY	5B	TRUCK	SA 60	SA 26	910M	50 sec	CAL 50/7.62mm TOW/ ATWESS	Hit with at least three rounds Hit one target with one round
		TCP IS AT UNDERWOOD ROAD								

**DMPRC**

# GT IX – Section Qualification



LANE #	ENG #	CONDITIONS	VEH LOC	TARGET INFORMATION						STANDARDS
				TYPE	PRI	ALT	RNG	EXP	AMMO	
4	5	DEF DAY	4C	TRUCK	SA 48	SA 40	660M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
5	5	DEF DAY	5C	TROOP	T 24	T 28	210M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	6	DEF DAY (CBRNE)	4C	TROOP	T 22	T 31	100M	50 sec	CAL 50/7.62mm	Hit one target with one round
5	6	DEF DAY (CBRNE)	5C	TRUCK	SA 60	T 28	250M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
4	7	DEF DAY	4C	TRUCK	SA53		760M	50 sec	CAL 50/7.62mm	CFF
				TRUCK	SA49		800M	50 sec	CAL 50/7.62mm	CFF
				TRUCK	SA48		830M	50 sec	CAL 50/7.62mm	CFF
5	7	DEF DAY	5C	TRUCK	SA44		840M	50 sec	CAL 50/7.62mm	CFF
				TRUCK	SA21		820M	50 sec	CAL 50/7.62mm	CFF
				TRUCK	M303		900M	50 sec	CAL 50/7.62mm	CFF

**DMPRC**

# GT IX – Section Qualification



LANE #	ENG #	CONDITIONS	VEH LOC	TARGET INFORMATION						STANDARDS
				TYPE	PRI	ALT	RNG	EXP	AMMO	
4	1	DEF NIGHT	4A	TROOP	T 13	SA 2	340M	50 sec	CAL 50/7.62mm	Hit one target with one round
5	1	DEF NIGHT	5A	TROOP	T 11	SA 62	175M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	2	DEF NIGHT	4A	TROOP	T 4	T15	480M	50 sec	CAL 50/7.62mm	Hit one target with one round
5	2	DEF NIGHT	5A	TRUCK	T 5	SA 1	575M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
4	3	OFF NIGHT	MB 4-1 START TO MB 4-1 STOP	TRUCK	SA 63	M301	900M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
5	3	OFF NIGHT	MB 5-1 START TO MB 5-1 STOP	TROOP	T5	SA 1	550M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	4	DEF NIGHT	4B	TRUCK	SA 30	SA 65	250M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
5	4	DEF NIGHT	5B	TROOP	T 20	SA 60	540M	50 sec	CAL 50/7.62mm	Hit one target with one round
		TCP IS AT UNDERWOOD ROAD								

**DMPRC**

# GT IX – Section Qualification



LANE #	ENG #	CONDITIONS	VEH LOC	TARGET INFORMATION						STANDARDS
				TYPE	PRI	ALT	RNG	EXP	AMMO	
4	5	DEF NIGHT	4C	TRUCK	SA 32	SA 40	475M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
5	5	DEF NIGHT	5C	TROOP	T 24	SA 60	200M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	6	DEF NIGHT (CBRNE)	4C	TROOP	T 22	T 31	100M	50 sec	CAL 50/7.62mm	Hit one target with one round
5	6	DEF NIGHT (CBRNE)	5C	TRUCK	SA 60	T 28	250M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
4	7	DEF DAY	4C	TRUCK	SA53		760M	50 sec	CAL 50/7.62mm	CFF
				TRUCK	SA49		800M	50 sec	CAL 50/7.62mm	CFF
				TRUCK	SA48		830M	50 sec	CAL 50/7.62mm	CFF
5	7	DEF DAY	5C	TRUCK	SA44		840M	50 sec	CAL 50/7.62mm	CFF
				TRUCK	SA21		820M	50 sec	CAL 50/7.62mm	CFF
				TRUCK	M303		900M	50 sec	CAL 50/7.62mm	CFF

**DMPRC**

# GT X – Platoon Proficiency Exercise



LANE #	ENG #	CONDITIONS	VEH LOC	TARGET INFORMATION						STANDARDS
				TYPE	PRI	ALT	RNG	EXP	AMMO	
1	1	OFF DAY	MB 1-1 START TO MB 1-1 STOP	TRUCK	SA 47	SA 6	375M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
3	1	OFF DAY	MB 3-1 START TO MB 3-1 STOP	TROOPS	T8	T36	440M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	1	OFF DAY	MB 4-1 START TO MB 4-1 STOP	TROOPS	T13	SA 2	340M	50 sec	CAL 50/7.62mm	Hit one target with one round
5	1	OFF DAY	MB 5-1 START TO MB 5-1 STOP	TROOPS	T6	T5	450M	50 sec	CAL 50/7.62mm	Hit one target with one round
1	2	OFF/ SH DAY	TCP 1 (MB 1-1 STOP)	TRUCK	SA 6	SA 7	755M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
3	2	OFF/ SH DAY	TCP 1 (MB 3-1 STOP)	TRUCK	SA 3	SA 8	1050M	50 sec	CAL 50/7.62mm TOW/ ATWESS	Hit with at least three rounds Hit one target with one round
4	2	OFF/ SH DAY	TCP 1 (MB 4-1 STOP)	TRUCK	SA 63	M301	700M	50 sec	CAL 50/7.62mm	Hit with at least three rounds
5	2	OFF/ SH DAY	TCP 1 (MB 5-1 STOP)	TRUCK	SA 10	SA 1	1040M	50 sec	CAL 50/7.62mm TOW/ ATWESS	Hit with at least three rounds Hit one target with one round

DMPRC

# GT X – Platoon Proficiency Exercise



LANE #	ENG #	CONDITIONS	VEH LOC	TARGET INFORMATION						STANDARDS
				TYPE	PRI	ALT	RNG	EXP	AMMO	
1	3	S/H DAY	TCP 1-2	TROOP	T38	T54	615M	50 sec	CAL 50/7.62mm	Hit one target with one round
3	3	S/H DAY	TCP 3-2	TROOP	T16	SA 30	600M	50 sec	CAL 50/7.62mm	Hit one target with one round
4	3	S/H DAY	TCP 4-2	TROOP	T20	SA 30	400M	50 sec	CAL 50/7.62mm	Hit one target with one round
5	3	S/H DAY	TCP 5-2	TROOP	T40	SA26	625M	50 sec	CAL 50/7.62mm	Hit one target with one round
1	4	DEF DAY	1B	TROOP	T54	SA 25	210M	50 sec	CAL 50/7.62mm	Hit one target with one round
3	4	DEF DAY	3B	TRUCK	SA 40	SA 32	980M	50 sec	CAL 50/7.62mm TOW/ ATWESS	Hit with at least three rounds Hit one target with one round
4	4	OFF DAY	4B	TROOP	T20	SA 30	240M	50 sec	CAL 50/7.62mm	Hit one target with one round
6	4	OFF DAY	6B	TRUCK	SA 22	SA 26	940M	50 sec	CAL 50/7.62mm TOW/ ATWESS	Hit with at least three rounds Hit one target with one round
		*NOTE THE LANE SHIFTS								
		TCP -2 AT UNDERWOOD ROAD								

**DMPRC**

**DMPRC, 1/28 TF Gunnery (Log #11-06-15) Roadblock, Roadguard and Barrier List.**

#	GRID	LOCATION	TYPE	DMPRC BARRIERS			
K-2	GA 163 883	Across Box Springs Rd 125m N. of its intersection with Buena Vista Rd.	Gate	<u>Barrier 1:</u> On un-named trail at GA 1553 8738 blocking traffic going West <u>Barrier 2:</u> On un-named trail at GA 1608 8766 blocking traffic going West			
K-9	GA 103 921	Across Buena Vista Rd 40m E of the intersection with Moore Rd (Road Guard Location)	Gate				
K-9A	GA 106 919	Across tank trail 200m W of the Upatoi Creek	Gate	<p align="center"><b>ROADGUARD POSITIONS</b>                      (Guards will maintain communications with OIC)</p> <p><u>Guard #1:</u> Located on Buena Vista Road at the K9 roadblock location (GA 103 921) blocking traffic going East on Buena Vista Road and East on adjacent tank trail leading to Upatoi Creek. <u>Guard #2:</u> Located on Underwood Road at the Plymouth Road intersection (GA 128 878) blocking traffic going North-West on Underwood Road. <u>Guard #3:</u> Located on Buena Vista Road at the K36 roadblock location (GA 163 883) blocking traffic going North-East on Buena Vista Road. <u>Guard #4:</u> Located on Hourglass Road at the D1 roadblock location (GA 098 878) controlling access to the DMPRC Control Center (OIC will coordinate with Mr Cribb, DMPRC Site Supervisor, 706 626-2678, for assistance).</p>			
K-16A	GA 172 989	Across Rinehart Rd 20m S. of its intersection with the northern boundary range road.	Gate				
K-16B	GA 171 990	Across un-named trail 20m S. of its intersection with the northern boundary range road.	Gate				
K-28	GA 191 885	Across Whitson Rd 15m W. of its intersection with Cactus Rd.	Gate				
K-29	<del>GA 189 888</del>	Across un-named trail on left side of Cactus Range 300m W of Cactus Road	Gate				
K-30	GA 190 890	Across un-named trail on right side of Cactus Range 250m W of Cactus Road.	Gate				
K-32	GA 192 915	Across Shamanski Road 35m W of its intersection with Cactus Rd.	Gate				
K-36	GA 163 883	Across Buena Vista Rd 50m W. of its intersection with Box Springs Rd. (Road guard location).	Gate				
K-36A	GA 163 882	Across Tank Trail 50m W. of its intersection with Box Springs Rd.	Gate				
K-38	GA 201 941	Across unnamed trail 35m W. of its intersection with the east boundary road. Permanently closed.	Gate				
K-39	GA 202 949	Across unnamed trail 15m W. of its intersection with the east boundary road. Permanently closed.	Gate				
K-41	GA 192 944	Across Kennesaw Trail 30m W. of its intersection with Box Springs Rd.	Gate				
K-42	GA 193 944	Across Box Springs Rd 10m N. of its intersection with Cactus Rd.	Gate				
K-47	GA 176 963	Across Turrentine Rd 1000m W. of mover 4 on Hastings Range	Gate				
D-1	GA 098 878	On Hourglass road, 700 meters north of 1st Division Road	Gate				
D-2	GA122 887	On Underwood road approximately 900 meters north of Underwood and Plymouth road intersection	Gate				
L-10	110 918	North on Hourglass road from Buena Vista road. 175 meters past tank trail.	Gate				



# RECORD OF ENVIRONMENTAL CONSIDERATION REC



**EMD Number:** 1530006

**Project#:** N/A

**Project Title:** un-stabilized gunnery

**Description of Proposed Action:**

Mounted machine gun gunnery tables VII-XII. M1114's and crews will conduct various training that includes moving down to designated course roads, scanning and engaging enemy targets. The vehicles that will be in use are HMMWV's, LMTV, and FMTV and any other vehicle that can support a weapon system capable of engaging the enemy. The designated bivouac areas will be used in conjunction with the proposed training. All vehicles will remain on the roads, and HMMWV's will maneuver off the roads within the range limits.

**Project Location:**

Digital Multi-Purpose Range Complex (DMPRC)

**Amount, Description, Location of Disturbance/Digging:**

None

**Number/Types of Vehicles:**

18 HMMWV's, 5 LMTV's, 5 FMTV's.

**Number of Personnel:**

400

**Type of Ammunition:**

7.62mm Linked live and blank,  
.50 Cal Linked live and blank

**Number/Types of Trees:**

None

**Types of Aviation:**

None

**Other Concerns:**

None

*ATWESS charge (Simulator Smoke)*  
*[Signature]*

**Size of Project Area:** Acres

**Duration of Action:** Start: 1/4/2016 Stop: 9/30/2016

**Proponent:** michael mccormack 7065442921

**Unit, Section or Dept:** hhc 1-15 IN 3bct 3id

**Decision: Concur with conditions**

This Action is adequately covered in the Existing EIS titled: 'Ongoing Mission and Siting Activities, USAIC, FT. Benning, GA.'

(NA): Training involving LIVE FIRE and tracked vehicles has NO CATEX -- "Ongoing Mission and Siting Activities, USAIC, Ft. Benning, GA."

**Training Is Approved Through September 30, 2016**

**Cultural Resources - Archeological**

None

Edward Howard (706-545-1898), 10/28/2015

No Comment.

**Natural Resources - TES**

None

Mark Thornton (706-544-7079), 10/27/2015

No Comment.

**Natural Resources - RCW**

**Conditions:**

Jonathan Neufeldt (706-544-7705), 11/6/2015

There are RCW clusters/cavity trees within training areas near the DMPRC. For Your Information, see attachment 2007 Army Guidelines Permitted Training in Clusters and RCW Cluster Related Photos and attached map(s) of RCW cluster-cavity tree locations with 200ft buffer-boundaries.

**EMD Number:** 1530006                      **Project#** N/A

**Project Title:** Un-stabilized gunnery

\*\*\*\*\*

**Noise**    **Conditions:**    **Ellis Leeder (706-545-2400), 10/27/2015**

Training has been analyzed as part of the Installation Operational Noise Management Program (IONMP) study. Approved for use according to approved range packet from Range Operations. Any noise complaints will be investigated and recommend mitigation actions to the appropriate personnel for the training actions. This 144r must be present at the training site when occupying compartments or any firing ranges.

**CWA - Training**    **Conditions:**    **Jessica Loughman (706-604-4572), 10/27/2015**

Environmental Review: Caution within training areas and motor pools should be taken to protect all nearby waterways (including perennial, intermittent streams and wetlands); as well as ground surfaces and any other sensitive areas in the vicinity of the training areas. Potential spills/releases from this activity that may occur before and/or during the FTX include: 1. Discharge and/or improper disposal of oil or hazardous substances into or upon land, water, or into ground water areas from storage, handling and/or transportation of hazardous materials/waste; 2. Vehicle/equipment/generators leaks; 3. Fuel loading/unloading/refueling operations; 4. Field mess facilities/equipment/operations, and/or 5. Ammunitions /explosives (as applicable, before and/or during the FTX). Failure to follow these guidance could cause the site to be close for future use. Recommend use and implementation of FM 4-25.12 (FM 21-10-1) Unit Field Sanitation Team preventive medicine measures when establishing field food service facilities and other waste facilities. To include but not limited to Chapter 2, Section IV: Waste Disposal; Appendix A Lesson 6: Waste Disposal in the Field; Appendix B - Figures B-25, B-26, B-27, B-28. Unit to submit POC in charge of monitoring these activities. For additional specific guidance on field sanitation requirements - contact Fort Benning Preventive Medicine.

General SPCC Requirements: Ensure all hazardous materials are properly storage to prevent spill/discharges, to meet safety requirements for storage, and that containers are not exposed to the weather. Have adequate spill response supplies available during exercise for any spills that may likely occur. Use drip pans under vehicles and provide secondary containment for any fueling activities and hazardous material/waste storage. Locate all refueling operations and storage of hazardous materials/waste away from waterways and sensitive areas. See attached section on prevention procedures and CHECKlist (Example Unit/Activity SOP for Training and Deployment) to be used during training exercise to comply with SPCC plan requirements. Ensure all wastewater from field mess equipment/operations particularly those involving oil/grease are collected and dispose properly. Do not discharge any wastewater into storm drains or dispose of oil/grease waste directly into land.

General ISCP Requirements: In the event of a spill/discharge – notify Range Control by radio or call 544-6291, and they will notify E-911 for Fire Department/HAZMAT Team assistance and/or notification of the EMD office (Spill Beeper 706-317-6584). As appropriate, and if personnel are trained – REACT to minimize spill damages. Submit a spill report to the EPMB Spill Program Manager (use Spill Response Report attached). All spills reaching navigable water must be reported immediately. The unit is responsible for the final cleanup of any spill during this exercise. Coordination with this office is required for clearance of the site.

**HAZARDOUS WASTE**    **Conditions:**    **Carlos Ariasochoa (706-545-1857), 10/27/2015**

Considerations for Training Exercises:

Defective, misfired, or otherwise unserviceable munitions must be managed IAW/MCOE Reg.350-19-5-10, Para 9-2 (Proper management of Misfired munitions). All excess, munitions must be returned to the Ammunition Supply Point after the field exercise is completed. Rubbish, empty containers and other waste (including used smoke/C2 canisters) should be removed from the training area. A dud shall not be removed from the range; it will be marked, called into range control and will be properly disposed of by EOD personnel IAW/MCOE Reg. 350-19, 23 Jul 2010.

All tanks, drums and other hazardous material containers used on site must be properly labeled and kept closed when not in use. Any above ground storage tanks used for fuel such as 5 gallon cans of fuel and other petroleum products to include fuel dispensing vehicles must have impervious secondary containment of adequate size to contain 100% of the tank or container contents. This also applies to drums used for the storage of petroleum products and used oil.

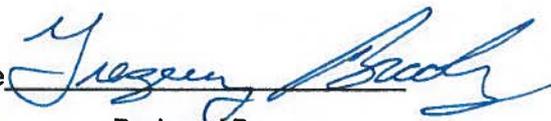
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**EMD Number:** 1530006      **Project#** N/A

**Project Title:** Un-stabilized gunnery

\*\*\*\*\*

according to guidance provided by the Environmental Programs Management Branch (EPMB). Drip pans must be available for all military vehicles to prevent oil and other petroleum products from spilling onto the soil. All spills of petroleum products to the ground must be immediately cleaned up and disposed of in accordance with Fort Benning policy. The EPMB provides an 8 hours course covering Hazardous Materials/Waste Management, Hazardous Waste Minimization, Safety, and Pollution Prevention. It is highly recommended that personnel conducting the event attend the training offered.

Signature 

 Reviewed By  
John E Brown

NEPA Program Manager

Date 11-10-2015

Signature 

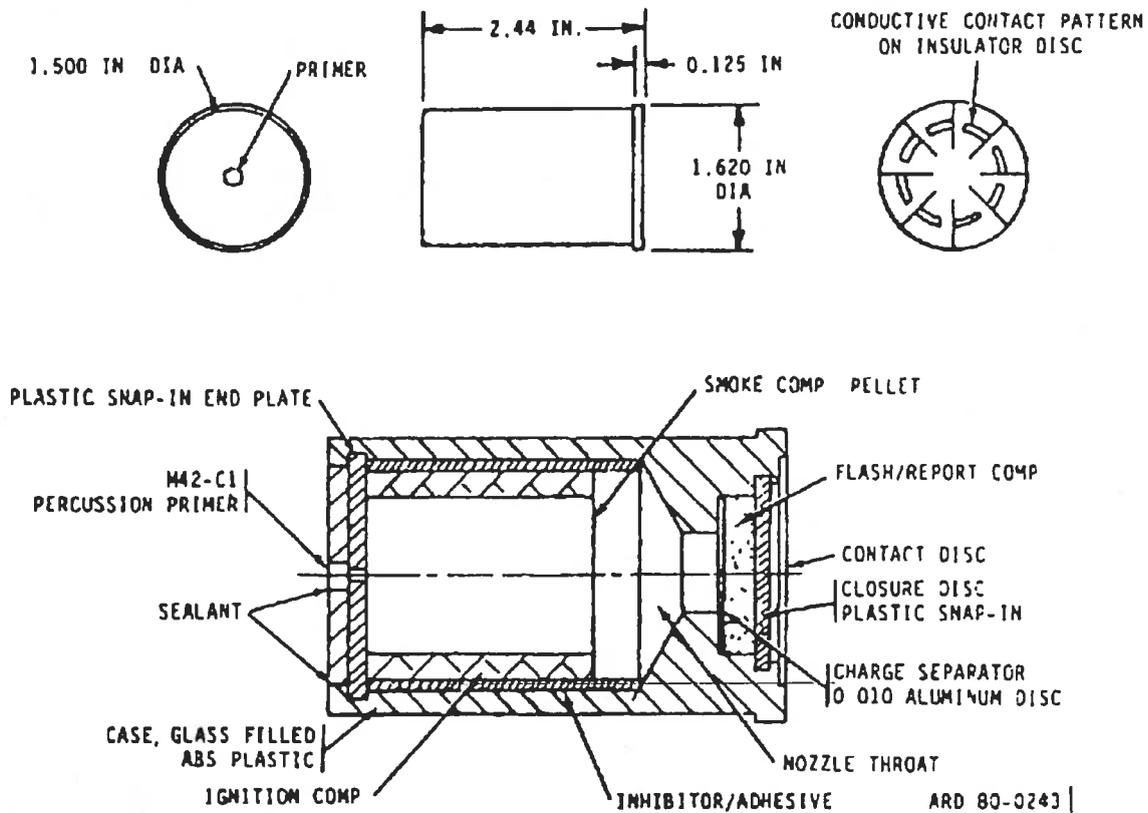
Approved By  
Patrick R. Chauvey  
EPMB Chief

Date 12 Nov 2015

# ATWESS

TM 43-0001-37

## SIMULATOR, LAUNCHING, ANTI-TANK, GUIDED MISSILE AND ROCKET, M22



### Type Classification:

MSR 12796006.

### Use:

The simulator is a part of the Multiple Integrated Laser Engagement System (MILES). It is employed with the MILES TOW, DRAGON, and VIPER firing devices. It provides a credible simulation of the weapon signature including report, flash and smoke. The simulator is common to all three weapon simulators and is fired by a common firing device.

### Description:

The simulator is a three piece injection molded unit consisting of cylindrical housing with a flange on one end, a snap-in primer plate, and a snap-in closure disc for the flanged end of the unit. The primer plate has a hole in its center to accept a standard MIL-Spec primer. A preformed pellet of magnesium teflon composition is coated with a first fire composition that accelerates ignition of the pellet. This pellet is placed in a cardboard

tube within the simulator and provides the flash and smoke upon functioning. The bang composition is composed of sixty milligrams of loose magnesium teflon powder and is loaded into the bang composition chamber.

### Functioning:

The housing of the ATWESS assembly is cylindrical and sized to fit the LAW/VIPER launch tube. For TOW and DRAGON launch tubes, adapter rings are used to accommodate the larger tube diameters. The firing chamber is sized to accept the simulator. When the simulator is inserted and the breech door is closed and an electrical circuit is completed along the copper contacts on the face of the simulator. This circuit path must be complete for the MILES laser transmitter to fire. The simulator has a small printed circuit contact disc on its face which before it is fired provides the electrical path. When the simulator is fired, the center of the contact disc is blown out and the circuit path is broken. Thus the MILES will not fire again until a new simulator is inserted.





# RECORD OF ENVIRONMENTAL CONSIDERATION REC



**EMD Number:** 1530006

**Project#:** N/A

**Project Title:** un-stabilized gunnery

**Description of Proposed Action:**

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**Project Location:**

Digital Multi-Purpose Range Complex (DMPRC)

**Amount, Description, Location of Disturbance/Digging:**

None

**Number/Types of Vehicles:**

18 HMMWV's, 5 LMTV's, 5 FMTV's.

**Number of Personnel:**

400

**Type of Ammunition:**

7.62mm Linked live and blank,  
.50 Cal Linked live and blank

**Number/Types of Trees:**

None

**Types of Aviation:**

None

**Other Concerns:**

None

**Size of Project Area: Acres**

**Duration of Action:** Start:1/4/2016 Stop:9/30/2016

**Proponent:** michael mccormack 7065442921

**Unit, Section or Dept:** hhc 1-15 IN 3bct 3id

\*\*\*\*\*

**Decision: Concur with conditions**

This Action is adequately covered in the Existing EIS titled: 'Ongoing Mission and Siting Activities, USAIC, FT.Benning, GA.'

(NA): Training involving LIVE FIRE and tracked vehicles has NO CATEX -- "Ongoing Mission and Siting Activities, USAIC, Ft. Benning, GA."

\*\*\*\*\*

**Training Is Approved Through September 30, 2016**

**Cultural Resources - Archeological**

None

Edward Howard (706-545-1898), 10/28/2015

No Comment.

**Natural Resources - TES**

None

Mark Thornton (706-544-7079), 10/27/2015

No Comment.

**Natural Resources - RCW**

**Conditions:**

Jonathan Neufeldt (706-544-7705), 11/6/2015

There are RCW clusters/cavity trees within training areas near the DMPRC. For Your Information, see attachment 2007 Army Guidelines Permitted Training in Clusters and RCW Cluster Related Photos and attached map(s) of RCW cluster-cavity tree locations with 200ft buffer-boundaries.

**EMD Number:** 1530006 **Project#** N/A

**Project Title:** Un-stabilized gunnery

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**EMD Number:** 1530006      **Project#** N/A

**Project Title:** Un-stabilized gunnery

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Signature 

 Reviewed By  
John E Brown

NEPA Program Manager

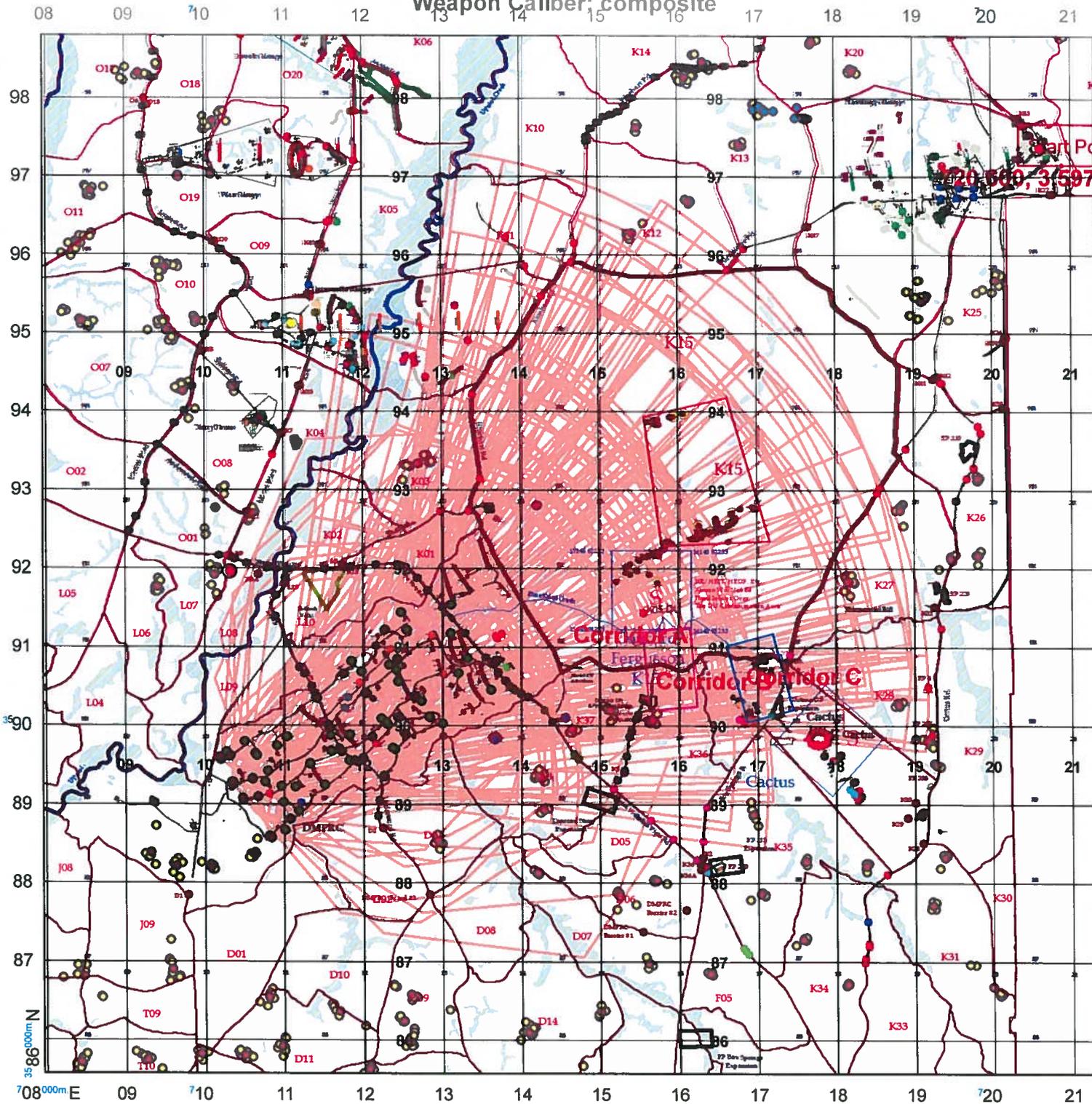
Date 11-10-2015

Signature 

Approved By  
Patrick R. Chauvey  
EPMB Chief

Date 12 Nov 2015

**FOUO Unclassified**  
**Weapon Type: SMALL ARMS**  
**Weapon Caliber: composite**



Range Manager Signature Authority: Mr. Tesch	Date:		
Approving Authority: John T. Flores	Date:		
SDZ Created By:	Date: 12/02/2015	Unit: 1/28 TF	Phone: 544-2921
SDZ Name:			Email: