

ARTILLERY/MORTAR SAFETY RECORD

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

1. DATE OF REQUEST (DDMMYYYY)

11 Feb 2016

2. UNIT

1/28th IN

3. TITLE

DMPRC

4. FIRING POINT NUMBER

DMPRC (SBF5)

5. WEAPONS

60mm Mortars

6. COORDINATES

1267 9098

7. WEAPON PROJECTILE	8. LEFT LIMIT <input type="checkbox"/> deg <input checked="" type="checkbox"/> mil	9. RIGHT LIMIT <input type="checkbox"/> deg <input checked="" type="checkbox"/> mil	10. MINIMUM RANGE METERS	11. MAXIMUM RANGE METERS	12. MINIMUM CHARGE	13. MAXIMUM CHARGE	14. MAXIMUM ORDNANCE <input checked="" type="checkbox"/> m <input type="checkbox"/> ft
HE M720	51	56	1472	1595	4	4	1998
WP M302A1	51	56	1472	1595	4	4	637
ILL M83A3	51	56	1472	1595	4	4	637
HE M49A4	51	56	1472	1595	4	4	880

15. SPECIAL INSTRUCTIONS: This FB Form 360-19-2-E-R must accompany the corresponding FB Form 360-19-1-E-R.

Targets: K15 Impact Area

16. NAME AND RANK OF THE REQUESTING OFFICER

Andrew M. LeMarquand

17. SIGNATURE


Click to Approve
29 FEB 16

18. APPROVING OFFICIAL

Chief, Range Division
Directorate of Plans, Training, Mobilization, and Security

19. SIGNATURE


Click to Approve
29 FEB 16

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1. DATE OF REQUEST

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2. UNIT

1/28th IN

3. TITLE

DMPRC

4. FIRING POINT NUMBER

DMPRC (SBF3)

5. WEAPONS

60mm Mortars

6. COORDINATES

1372 9058

7. WEAPON PROJECTILE	8. LEFT LIMIT <input type="checkbox"/> deg <input checked="" type="checkbox"/> mil	9. RIGHT LIMIT <input type="checkbox"/> deg <input checked="" type="checkbox"/> mil	10. MINIMUM RANGE METERS	11. MAXIMUM RANGE METERS	12. MINIMUM CHARGE	13. MAXIMUM CHARGE	14. MAXIMUM ORDNANCE <input checked="" type="checkbox"/> m <input type="checkbox"/> ft
HE M720	61	81	768	1098	1	1	644
WP M302A1	61	81	768	1098	3	3	609
ILL M83A3	61	81	768	1098	3	3	609
HE M49A4	61	81	768	1098	2	2	532

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Targets: Hartell Impact Area

16. NAME AND RANK OF THE REQUESTING OFFICER

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1. DATE OF REQUEST

(DD/MM/YYYY)

11 Feb 2016

2. UNIT

3. TITLE

TF 1/28 IN

Artillery LFX

4. FIRING POINT NUMBER

6. WEAPONS

Firing Point #1/2

105mm

6. COORDINATES

FP #1 - 11408 91698 FP #2 - 11459 91590

7. WEAPON PROJECTILE	8. LEFT LIMIT <input checked="" type="checkbox"/> deg <input type="checkbox"/> mil	9. RIGHT LIMIT <input checked="" type="checkbox"/> deg <input type="checkbox"/> mil	10. MINIMUM RANGE METERS	11. MAXIMUM RANGE METERS	12. MINIMUM CHARGE	13. MAXIMUM CHARGE	14. MAXIMUM ORDNANCE <input checked="" type="checkbox"/> m <input type="checkbox"/> ft
FP #1							
HEAT M67	98	106	3031	3537	3	3	146
HE M1 W/O FUZE	98	106	3031	3537	3	3	146
Smoke WP M60A2 SER	98	106	3031	3537	3	3	146
ILLUM M314/A1/A2/A3	98	106	3031	3537	3	3	146
FP #2							
HEAT M67	96	104	2960	3464	3	3	103
HE M1 W/O FUZE	96	104	2960	3464	3	3	103
Smoke WP M60A2 SER	96	104	2960	3464	3	3	103
ILLUM M314/A1/A2/A3	96	104	2960	3464	3	3	103

15. SPECIAL INSTRUCTIONS: This FB Form 360-19-2-E-R must accompany the corresponding FB Form 360-19-1-E-R.

Targets: Hartell Impact Area

16. NAME AND RANK OF THE REQUESTING OFFICER

17. SIGNATURE

ANDREW M. LEMARQUAND



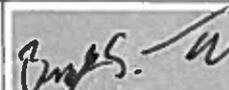
Click to Approve

29 FEB 16

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1. DATE OF REQUEST

(DDMM/YYYY)

11 Feb 2016

2. UNIT

3. TITLE

TF 1/28 IN

Artillery LFX

4. FIRING POINT NUMBER

5. WEAPONS

Firing Point #1/2 Shift to K15 Targets

105mm

6. COORDINATES

FP #1 - 11408 91698 FP #2 - 11459 91590

7. WEAPON PROJECTILE	8. LEFT LIMIT <input checked="" type="checkbox"/> deg <input type="checkbox"/> mil	9. RIGHT LIMIT <input checked="" type="checkbox"/> deg <input type="checkbox"/> mil	10. MINIMUM RANGE METERS	11. MAXIMUM RANGE METERS	12. MINIMUM CHARGE	13. MAXIMUM CHARGE	14. MAXIMUM ORDNANCE <input checked="" type="checkbox"/> m <input type="checkbox"/> ft
FP #1							
HEAT M67	60	66	4563	5303	4	4	570
HE M1 W/O FUZE	60	66	4563	5303	4	4	570
Smoke WP M60A2 SER	60	66	4563	5303	4	4	570
ILLUM M314/A1/A2/A3	60	66	4563	5303	4	4	570
FP #2							
HEAT M67	59	64	4563	5313	4	4	570
HE M1 W/O FUZE	59	64	4563	5313	4	4	570
Smoke WP M60A2 SER	59	64	4563	5313	4	4	570
ILLUM M314/A1/A2/A3	59	64	4563	5313	4	4	570

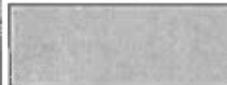
15. SPECIAL INSTRUCTIONS: This FB Form 350-19-2-E-R must accompany the corresponding FB Form 350-19-1-E-R.

Targets. K15 Targets 50 - 54

16. NAME AND RANK OF THE REQUESTING OFFICER

17. SIGNATURE

ANDREW M. LEMARQUAND



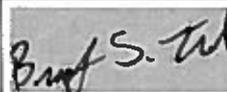
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Directorate of Plans, Training, Mobilization, and Security



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ARTILLERY/MORTAR SAFETY RECORD

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1. DATE OF REQUEST

(DD/MM/YYYY)

11 Feb 2016

2. UNIT

TF 1/28 IN

3. TITLE

Mortar LFX

4. FIRING POINT NUMBER

Firing Point #1/2

5. WEAPONS

120mm Mortars

6. COORDINATES

FP #1 - 11306 91924 FP #2 - 11359 91815

7. WEAPON PROJECTILE	8. LEFT LIMIT <input checked="" type="checkbox"/> deg <input type="checkbox"/> mil	9. RIGHT LIMIT <input checked="" type="checkbox"/> deg <input type="checkbox"/> mil	10. MINIMUM RANGE METERS	11. MAXIMUM RANGE METERS	12. MINIMUM CHARGE	13. MAXIMUM CHARGE	14. MAXIMUM ORDNANCE <input checked="" type="checkbox"/> m <input type="checkbox"/> ft
FP #1							
WP M929	102	108	3330	3697	3	3	1754
FRPC M931	102	108	3330	3697	3	3	1785
HE M934	102	108	3330	3697	3	3	1686
FP #2							
WP M929	100	107	3251	3615	3	3	1782
FRPC M931	100	107	3251	3615	3	3	1812
HE M934	100	107	3251	3615	3	3	1716

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Targets: Hartell Impact Area

16. NAME AND RANK OF THE REQUESTING OFFICER

ANDREW M. LEMARQUAND

17. SIGNATURE



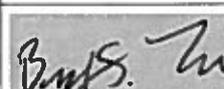
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Directorate of Plans, Training, Mobilization, and Security

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1. DATE OF REQUEST (DD/MM/YYYY)

11 Feb 2016

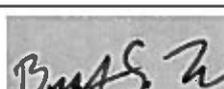
2. UNIT	3. TITLE
TF 1/28 IN	Mortar LFX
4. FIRING POINT NUMBER	5. WEAPONS
Firing Point #1/2 Shift to K15 Targets	120mm Mortars

6. COORDINATES
 FP #1 - 11306 91924 FP #2 - 11359 91815

7. WEAPON PROJECTILE	8. LEFT LIMIT <input checked="" type="checkbox"/> deg <input type="checkbox"/> mil	9. RIGHT LIMIT <input checked="" type="checkbox"/> deg <input type="checkbox"/> mil	10. MINIMUM RANGE METERS	11. MAXIMUM RANGE METERS	12. MINIMUM CHARGE	13. MAXIMUM CHARGE	14. MAXIMUM ORDNANCE <input checked="" type="checkbox"/> m <input type="checkbox"/> ft
FP #1							
WP M929	63	69	4563	5296	3	3	2517
FRPC M931	63	69	4563	5296	3	3	2571
HE M934	63	69	4563	5296	3	3	2445
FP #2							
WP M929	62	67	4563	5291	3	3	2517
FRPC M931	62	67	4563	5291	3	3	2571
HE M934	62	67	4563	5291	3	3	2445

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Targets: K15 - TARGETS 50 - 54

16. NAME AND RANK OF THE REQUESTING OFFICER	17. SIGNATURE
ANDREW M. LEMARQUAND	 Click to Approve <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;">29 FEB 16</div>
18. APPROVING OFFICIAL	19. SIGNATURE
Chief, Range Division Directorate of Plans, Training, Mobilization, and Security	 Click to Approve <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;">29 FEB 16</div>



DEPARTMENT OF THE ARMY
1ST BATTALION, 28TH INFANTRY REGIMENT
3RD BRIGADE COMBAT TEAM, 3RD INFANTRY DIVISION
FORT BENNING, GA 31905-5900

AFZP-VIA

26 February 2016

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) Company Live
Fires / CALFEX

1. **PURPOSE:** To outline the scenario for the Company Live Fires / CALFEX to be conducted on the DMPRC. This information is provided in accordance with MCoE Regulation 350-19 and will train and evaluate Companies with selected enablers on the collective and individual tasks listed below. This training will support the Infantry Battalion Task Force as it prepares for a Certifying Training Event (CTE) and deployment in support of worldwide operations. Task Force Leaders will be given sufficient time to prepare and formulate a plan for the training exercise (OPORD) which will outline and give a detailed description of their mission, task organization, execution, direct, indirect, and air asset fire control measures along with other safety considerations. The Task Force will conduct deliberate leader certification in advance of the exercise to include TEWTs, leader's reconnaissance, professional development on range policies, procedures, and safety, and a formal range walk. All units will execute full force rehearsals to include blank and live iterations. All units will ensure required training gates are met prior to LFX including weapons qualification, team LFX, squad LFX, platoon LFX, and crew qualification for Mounted Machine Gun (MMG) and Convoy Protection Platforms (CPP). All leaders will conduct direct liaison with enabler elements to include mortars, field artillery, engineers, snipers, and aviation. All range cadre to include safeties, RSOs, medical teams, and OICs will conduct an LFX/OC academy where they will be briefed detailed duties and responsibilities, contingency plans, risk mitigation, and the overall scheme of maneuver for the exercise. Upon conclusion of the Company CALFEX, the BN will be able to deploy with lethal and agile companies, platoons and squads, leaders will have a mastery of direct and indirect fires integration and detailed planning, and the Task Force will emerge a more capable and hardened force prepared for CTEs.

2. **APPLICABILITY:** This memorandum applies to TF 1-28 subordinate units / activities using the DMPRC. All Officers in Charge (OIC), Non-Commissioned Officers in Charge (NCOIC), Range Safety Officers (RSO), and medical teams 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
- c. MCoE Regulation 350-19, Range and Terrain Regulation
- d. FM 3-23-30, Grenades and Pyrotechnic Signals
- e. DA PAM 385-10, Army Safety Program
- f. ATP 5-19, Composite Risk Management
- g. TC 3-21.8, Infantry Rifle Platoon and Mechanized Platoon Collective Task Publication
- h. TC 7-9, CHG 1, Infantry Live Fire Training
- i. TC 25-8, Training Ranges
- j. TC 3-20.0, Integrated Weapons Training Strategy
- k. TC 3-20.21-1, Individual and Crew Live-Fire Prerequisite Training
- l. TC 3-20.31, Training and Qualification, Crew
- m. TC -4-11.46, Convoy Protection Platform Gunnery
- n. TC 3-04.45 Combat Aviation Gunnery
- o. TM 9-1300-206, Ammunition and Explosives Standards
- p. ATTP 3-21.90, Tactical Employment of Mortars
- q. FM 3-21.12, The Infantry Weapons Company
- r. FM 3-21.8, The Infantry Platoon and Squad
- s. FM 3-34, Engineer Operations
- t. FM 3-22.90, Mortars

4. COLLECTIVE TASKS:

- a. Conduct Troop Leading Procedures (07-2-5081)
- b. Conduct an Attack (07-2-9001)
- c. Integrate Direct Fires (07-2-3027)
- d. Integrate Indirect Fires (07-2-3036)
- e. Synchronize Fires (06-1-5076)
- f. Conduct Tactical Movement (07-2-1342)
- g. Conduct Action on Contact (07-3-9013)
- h. Adjust Mortar Fire during a Hip-Shoot Mission (07-3-3036)
- i. Breach of a Mined Wire Obstacle (07-3-D9412)
- j. Enter a Trench to Secure a Foothold (07-3-D9410)
- k. Clear a Trench line (07-3-9021)
- l. Treat Casualties (08-2-0003)

- m. Evacuate Casualties (08-2-0004)
- n. Perform Vehicle Recovery (43-2-0001)
- o. Conduct Convoy Security (19-3-2007)
- p. Engage Multiple Machinegun Targets from a Vehicle (17-5-5969)

5. AMMUNITION:

- a. AH-64 Apache/ UH -1 / AH - 1: 2.75" Rocket Practice, Inert(H975), 20mm TP-T Practice(A653), 30mm TP-T practice(G96719), CTG, .50 CAL 4 BALL/1 TRCR LKD M33 F/M2(A557)
- b. HMMWV: 7.62 (A131),
- c. M16/M4: 5.56mm (AA33, A059, A063)
- d. M2010: 300 WIN MAG (A191)
- e. M249: 5.56 (A064)
- f. M240L: 7.62mm (A131)
- g. M203/320: 40mm TP(B519, B535, BA03)
- h. Miscellaneous Pyrotechnics and Smoke
- i. Blank Ammunition: .50 Cal, 7.62mm, 5.56mm
- j. 60mm: HE (B643), Illum (B647), WP (BA14)
- k. 81mm Mortar: HE(C868), Smoke(C870), IR ILLUM(C484), ILLUM(C871)
- l. 120mm Mortar: HE(CA44), Smoke(CA03), IR ILLUM(CA07), ILLUM(C625)
- m. 105mm Artillery HE(C445), Smoke(C479), WP(C454), ILLUM(C449), IR ILLUM(CA53)
- n. Explosive Charges: CHG, DEMO BLK 1-1/4# C4(M023), DEMO KIT, BANGALORE TORP M1A2(M028), CORD, DET TYPE-1 (1000 FT ROLL)(M456), CAP, BLASTING DELAY M14(MN06), IGNITER, BLST TIME FUSE M81(MN08), M23 1000' MINI TUBE, HD BLASTING CAP (COMES WITH M81)(MN90), FUZE, ET M762(N289)

6. CONCEPT OF OPERATIONS:

a. General. Task Force 1-28 will be conducting a four phase Combined Arms Live Fire Exercise (CALFEX) on DMPCRC to certify Companies on collective tasks prior to execution of a CTE. The four phases are: Certification, Prepare for Combat (1), Movement from Baseline to Underwood Road (2), Actions on Objective (3), Forward Passage of Lines (FPOL) (4). Companies will task organize to include the use of all organic weapons, company mortars, and a sapper squad. The sapper platoon will task organize to include the use of sapper squads to conduct a breach. The medical and maintenance platoons will execute collective tasks not involving the firing of weapons systems. All Task Force elements will plan to include the use of close air support, close combat attack, organic mortar and artillery fires to echelon fires IAW the Task Force Commander's training guidance.

1) Phase 1: Certification: The Task Force will conduct range, unit, and leader certifications in the weeks and months prior to execution of the CALFEX. These certifications will ensure that all Task Force elements are familiar with the requirements of this range packet, and to ensure the safe and efficient execution of live fire training.

- a. **Range Certification:** Based on the Task Force Commander's training guidance the staff developed the concept of operations and developed a scheme of maneuver to support those objectives. The Task Force conducted two leader's reconnaissance operations, a Range Division leader professional development, and briefed a draft concept to the Chief of Range Operations. The Task Force will conduct two additional rehearsals for leaders and range support personnel. A detailed Tactical Exercise without Troops (TEWT) will be conducted prior to the execution of any live fire operations.
- b. **Unit Certifications:** All units conducting the live fire will conduct a deliberate and progressive train up prior to execution.
- c. **Leader Certifications:** Subordinate leaders participating in training will be certified through the live fire progression and unit training. Leaders enabling training such as RSOs, OICs, and safeties will execute a leader academy in support of this live fire that will include credentialing to serve as RSOs or OICs, and credentialing to handle, use, and certify demolitions. Leaders will participate in all leaders' reconnaissance, reduced force, and full force rehearsals. Range cadre will internally rehearse contingencies such as medevac, check fires, misfires, and dud procedures prior to allowing training units onto the range.

2) **Prepare for Combat:** Units executing training will arrive at the DMPRC having already completed an in-depth execution of troop leading procedures (TLPs). During the execution of TLPs the range cadre will brief all participants the left and right limits of all engagements, positively identify the range fans, brief safety considerations and contingency plans, and ensure all maneuver and fire support control measures are understood. All task organized units will participate in TLPs and rehearsals with the training company.

- a. At coordinated times the company will move to the ammunition supply point (ASP) and draw their allocation of blank or live ammunition depending on iteration. Blank firing adapters (BFAs) will be checked at the BLOC and by all leaders prior to blank iterations. The removal of BFAs will be checked prior to issuing live ammunition. Mounted weapons will draw from an ASP located at the BLOC following similar procedures. Demolitions will only be issued to certified demolition card holding combat engineers, and demolitions and initiators will be kept separate until their use during live breaching operations. The artillery and mortar sections supporting the operation will draw ammunition and store it at the ASP IVO the Mortar Firing Point at Eelbeck DZ.
- b. Supporting mortars and artillery, at Eelbeck DZ, will have occupied their firing points and sighted all weapons systems per SOP and will be ready to fire. Prior to conducting live missions, each crew will ensure rounds are fused correctly and that the correct ammunition is available. A senior fires officer or NCO will ensure all artillery and mortars are properly emplaced and oversee all indirect fire operations.
- c. Lawson Army Airfield Hazardous Cargo Area will be used as a forward arming and refueling point (FARP). The FARP will be certified by an aviation safety officer before use and the supporting aviation unit will occupy and maintain the

FARP during CCA operations. Supporting aviation will either laager at ACP 2 in accordance with the scheme of fires.

3) Rifle Company Day and Night Live Fires: All Rifle Companies will begin their iterations in the attack position during the day and at night. A safety, equipped with radio will be located with each platoon element. The Brigade Commander, Brigade Command Sergeant Major, Task Force Commander, and range OIC will move with the Company leadership or where they can best serve to observe and control the live fire. Additionally, safeties will be located with each supporting element and positive communication will be maintained with the fire support element and any aircraft. Each iteration will run through a blank iteration before progressing into live iterations.

a. Company commanders can use supporting aircraft during all phases of the operation, as long as all safety conditions with ground and IDF personnel are met. Supporting aircraft will engage approved targets into the K15 impact area.

b. Phase 2A: Movement from Baseline (PL Bears) to Underwood Road (PL Cardinals)

1. The Company will LD from PL Bears and platoons will maneuver between MB1-1, MB3-1, MB4-1, and MB5-1.

- a. Engagement 1: The trigger to raise targets for the platoon maneuvering between MB1-1 and MB3-1 will be when they reach the vicinity of T10. The trigger to raise targets for the platoon maneuvering between MB 4-1 and MB 5-1 will be when they reach the vicinity of MB 4-1 Stop. Both Platoons will maneuver forward simultaneously engaging their assigned targets (See Target List). Both Platoons will continue to engage targets and will stop at their assigned cease fire location (See Target List). Upon arriving at their locations both Platoons will establish a SBF and continue to fire. The Platoon located in the vicinity of MB 3-1 and MB 4-1 will hold their positions.
- b. Engagement 2: The two Platoons will establish an SBF and will establish security for the Platoon waiting to maneuver forward and establish a SBF for the Assault Team to attack the trench. The Assault Team will not move forward of the two platoons. Prior to the Assault Team moving forward. The Platoon located in the vicinity of SA62 will have to establish a shift fire and the Platoon in the vicinity of T1 will continue to engage their targets (See Target List).
- c. Engagement 3: The Platoon located in the vicinity of SA62 will shift fire (See Target List) when the Assault Team is in the vicinity of T13 and SA2. The platoon maneuvering between MB3-1 and MB4-1 will maneuver forward and will establish a SBF. The three (3) Platoons will continue to engage targets (See Target List). The Assault Team will prepare to assault the trench. Prior to assaulting the trench the Assault SBF will shift fire (See Target List).
- d. Engagement 4: The Assault Platoon will establish a SBF and the Assault Team will prepare to move to assault the trench. All three (3) Platoons will continue to engage targets.

- e. Engagement 5: The Assault Platoon will shift fire (See Target List). The Assault Team will maneuver to the northwest approximately 100m and turn northeast towards the trench.
 - f. Engagement 6: The Assault Team will engage targets located inside the trench with a LL – 58 deg's and RL - 63 deg's.
 - g. Engagement 18: 105mm Artillery can be used through all phases of the operation. 105mm Artillery can engage targets in the Hartell Impact Area unit ground forces reach Buena Vista Road. Once ground forces reach Buena Vista Road, 105mm Artillery will shift fire to K15 targets 50-54. **Note: 105mm Artillery and CCA can engage K15 targets 50-54 simultaneously.**
 - h. Engagement 19: Once ground forces reach Underwood Road, 120mm Mortars will shift fire from the Hartell Impact Area targets to K15 targets 50-54. **Note: When CCA crosses phase line Cardinals, 120mm Mortars and 105mm Artillery will shift fire from the Hartell Impact Area to the K15 targets 50-54 for CCA using Corridor A or B. 120mm, 105mm, and CCA can engage K15 targets 50-54 simultaneously.**
 - i. Engagement Hold: The ground force will cease fire and all Platoons will move forward to Underwood Road. The Attack HELOS will fly directly down center and over the ground force of the DMPC.
 - j. Engagement 20: The ground force will cease fire and place all weapons on safe. The Attack HELOS will have two (2) attack corridor options (A & B). Corridor A LS approach is ¼ to the right of M204 and RS approach is between SA 50 and SA 38. Corridor B LS approach is at grid 1325 9110 and RS approach is 1370 9050 (See Weapons and Ammo list for Start and Cease Fire and attack headings). The Attack HELOS will engage targets in the K15 impact area (Targets 50-54). Both HELOS will turn right upon arriving at their cease fire point and will proceed (Southeast) to the intersection of Buena Vista Road and Box springs Road. **(The ground force, mortars, and artillery can commence firing and complete the second phase).** Proceed northeast along Box springs Road to K36 Objective and Corridor C (Attack Corridor). Both HELOS will hover at the start point and engage targets in the K15 area. **Note: When Attack HELOS come on station, 120mm Mortars and 105mm Artillery will shift fire from the Hartell Impact Area to K15 targets 50-54.**
- b. Phase 2B: Movement from Underwood Road (PL Cardinals) to M201
 - 2. Once the company crosses PL Cardinals, one platoon will maneuver between MB1-2 and MB3-2, one platoon will maneuver between MB3-2, MB 3-3, MB4-2, and MB 4-3 and one platoon will maneuver between MB4-2, MB4-3, MB5-2, and MB5-3.
 - a. Engagement 7: The trigger to raise targets for the platoon maneuvering between MB1-2 and MB3-2 will be when they reach the vicinity of battle position 2B. The trigger for the

- a. Engagement 7: The trigger to raise targets for the platoon maneuvering between MB1-2 and MB3-2 will be when they reach the vicinity of battle position 2B. The trigger for the platoon maneuvering between MB4-2, MB4-3, MB5-2, and MB5-3 will be when they reach the vicinity of BP4B (SBF). All platoons will stop in the vicinity of these locations and engage their assigned targets (See Target List). **(Engagement allows the vehicle attached to fire while the maneuver element is located to the right of the vehicle. Both vehicle and maneuver element can move and fire simultaneously).** (See Target List).
 - b. Engagement 8: The trigger to raise targets around the building façade for the platoon maneuvering between MB3-2 and MB4-2 will be when they reach the vicinity of SA11 but, will not engage targets until they reach approximately 134 meters from the building facade. The platoon will establish a SBF in the vicinity of this location for their assault element to assault the building (See Target List).
 - c. Engagement 9: The SBF element will shift fire prior to the assault element assaulting the building façade. The Platoon in the vicinity of BP 2B will continue to engage their targets. The Assault element will come around the SBF element and proceed northeast to the entrance of the building façade and engage targets inside the building. (See Target List).
 - d. Engagement 9A: The Assault element will come around the SBF element and proceed northeast to the entrance of the building façade and engage targets inside the building. (See Target List). (Engagement will be strictly northeast direction).
3. Once the assault on the building is complete, all platoons will continue to maneuver down their maneuver boxes until they reach their SBF positions IVO Buena Vista Road (PL Rams).
 - c. Phase 3: Actions on Objective: Northeast of Buena Vista Road (OBJ Silver)
 1. Once the company reaches PL Rams, one platoon will occupy SBF4 in between MB3-3 and Buena Vista Road, a gun truck section will occupy SBF5 on MB3-3 one platoon, along with EN attachments, will breach and assault OBJ Silver from an assault position south of SBF4, and one platoon will stay behind M302 and will later occupy SBF3 (SA50) located between M303 and Buena Vista Road. **Note: CCA can provide SBF coverage while engaging targets in the K15 impact area from Corridor C (Hover Firing Only). 105mm can continue to engage targets IVO Hartell Impact Area until ground forces cross Buena Vista Road, at which point they will shift to K15 targets 50-54.**
 - a. Engagement 10: The trigger for the gun truck section at SBF5 will be when they establish their SBF in the vicinity of MB 3-3. SBF5 will engage their targets throughout the entirety of Phase 3 (See Target List). Mortars will engage targets in the K15 area.

- b. Engagement 11: The trigger for the platoon at SBF4 will be when they have established their SBF in the vicinity of M204. SBF4 will engage all of their targets for the entirety of Phase 3 (See Target List).
 - c. Engagement 17: SBF4 and SBF5 will provide security for the breaching team. The EN squad will emplace explosive charges on the obstacle on the southwestern side of OBJ Silver (See Target List) to create a breach for the assault element. The two (2) Bangalore torpedoes that the EN squad will use is a net weight of 22 pounds of explosive. The breach will occur 35m to the northeast (Direction of 65 deg's) of Buena Vista Road so that it will not damage the road. Once the safeties/OC-Ts have verified that all personnel are 200m away from the explosion behind defilade, the EN squad will announce "fire in the hole" and breach the C-wire obstacle on OBJ Silver. **Note: CCA can continue to provide SBF on targets in the K15 impact area from Corridor C during the breach.**
 - d. Engagement 12: The platoon occupying SBF3 will stay in defilade behind M302 until after the EN squad has completed the explosive breach. After the Bangalore's have been expended all personnel have moved back in the vicinity of M303, the platoon will move forward and occupy SBF3. The trigger to raise targets for the platoon at SBF3 will be when they have established their SBF in the vicinity of SA50. SBF3 will engage their targets until the assault element reaches Buena Vista Road (See Target List).
 - e. Engagement 13: The trigger for SBF3 to shift fire will be when the assaulting platoon reaches Buena Vista Road (See Target List).
 - f. Engagement 14: After the assaulting platoon has cleared the southern objective compound, they will establish a local support by fire (LSBF), firing at targets located around the northern objective compound. LSBF will shift fire once the assaulting element begins to maneuver on the northern objective compound (See Target List).
 - g. Engagement 15: The element assaulting the northern objective compound will engage targets outside of the compound building (See Target List). Once the assaulting element has cleared the northern objective compound, SBF3, SBF4, SBF5, LSBF, and the assaulting element will cease fire. This is the end of Phase 3.
- d. Phase 4: Forward Passage of Lines (FPOL): Northeast of Buena Vista Road (OBJ Silver)
- a. Engagement 16: The trigger for the platoon to engage the counterattack targets will be once they have established their position to prepare for counterattack (See Target List). **Note: CCA can continue to engage from Corridor C (Hover Firing Only) and IDF and artillery can continue to engage K15 targets 50-54. UH-1 or UH-60 will provide MEDEVAC during**

targets 50-54. UH-1 or UH-60 will provide MEDEVAC during this phase and will transport casualties from vicinity of Buena Vista Road to approved HLZ located in the vicinity of Tricolor Road on the DMPRC.

2. Artillery: Engagement 18 (See Target List)
 - a. Artillery can be utilized during any of the engagements listed above. Artillery will be deconflicted laterally with IDF and CCA assets. Artillery will cease fire on the Hartell Impact Area targets and shift fire to K15 targets 50-54 once ground personnel cross Buena Vista Road. Artillery will shift fire from Hartell Impact Area to K15 targets 50-54 before CCA can start engaging targets (See Target List).
3. Mortars: Engagement 19 (See Target List)
 - a. IDF can be utilized during any of the engagements listed above. IDF must shift fire from Hartell Impact Area targets to K15 targets 50-54 once ground forces reach Underwood Road. IDF will be deconflicted laterally with artillery and CCA assets.
4. Attack Helicopters: Engagement 20 (See Target List)
 - a. CCA can be utilized during any of the engagements listed above. CCA assets will be deconflicted laterally with all artillery and IDF while on station. CCA will not fire overhead of ground personnel. No ground personnel will fire any weapon systems while CCA assets are on station or firing onto the Hartell impact area targets. No targets will be presented to ground personnel while CCA is firing on targets in the Hartell Impact Area. While CCA is firing at targets 50-54 in K15 Impact Area (Corridor C) (Hover Firing Only), ground personnel can engage presented targets, and IDF and Artillery can engage K15 targets 50-54 simultaneously.
 - b. Aircraft will conduct a dry pass to identify personnel and targets prior to expending any ordinance. Weapons will not be armed until they are on their designated attack heading and at or beyond their start fire point. Weapons will remain on electrical/manual safe when not engaging targets. HE/HEIT, etc....ammunition cannot fire into or over the DU contaminated area located inside the K15 area.
 - c. Attack helicopters will conduct Forward Arming and Refueling Point (FARP) operations on Lawson Army Air Field.
 - d. Forward Ground Controller will de-conflict multiple aircraft attacks.
 - e. See target list for Weapons, Ammunition type, and left and right limits.
 - f. Communications: Positive FM Communications will be maintained at all times between OIC/RSO, ground controllers, and aircraft. If communications are lost, the range will go into a cease fire status (cold) until positive communications are reestablished with all assets.

g. Emergency Cease Fire Signal: Day (Red Smoke), Night (Red Star Cluster)

f. This will terminate the live fire and all elements will be cleared by their leadership and safeties before moving back to the vicinity of the BLOC to conduct an after action review and prepare for follow on iterations.

4) Recovery: All elements will conduct a brass and ammo shakedown following execution of blank and live iterations. Platoons will walk the lanes following the last live fire to police spent brass and ammo and return to the ASP for accountability. Following the final live fire, the unit will tear down the objective area and return the area to the original state as it was before the live fire. The Task Force will retrograde from the DMPRC, recovering all dunnage and unspent ammo and turning it in to the ASP. Once the range is cleared, the range support personnel will retrograde the life support area class I and IV materials back to the unit motor pool. Upon clearance from Range Division the unit will close the range and submit closure reports as required. The Task Force will then execute recovery operations IAW the Task Force Recovery SOP.

7. SAFETY:

a. The "Crawl-Walk-Run" method of training will be the standard method used for this LFX. A detailed leader's TEWT will outline all range fans, restrictions, and safety considerations. Company rehearsals and day / night blank fire exercises will be conducted prior to units receiving clearance to participate in any LFX. All iterations will have dedicated safeties assigned to every platoon element or above.

b. The evaluators for the LFX will consist of the Brigade Commander, Brigade Command Sergeant Major, Task Force Commander, Task Force Command Sergeant Major, Fire Support Officer, and Senior Non-Commissioned Officers / Company Grade Officers serving as safeties. These leaders will position themselves with all command and control, maneuvering, and firing elements.

c. Target Reference Points (TRPs) will be placed on the range and briefed prior to the start of the exercise.

d. An immediate cease fire will be called and Range Division Alpha Base will be notified if a round lands outside of the K15 impact area.

e. Range Division will be notified if any UXO is discovered while conducting operations on the range.

f. An immediate report will be submitted to Range Division Alpha Base and Brigade Headquarters if any incident resulting in an injury occurs while conducting training. The following information will be reported to Range Division Alpha Base:

- 1) Unit Designation
- 2) Range and Location
- 3) Type of Weapon Involved

- 4) Type of Ammunition Involved
- 5) Brief Summary of the Incident
- 6) Personnel Injuries and Extent
- 7) Full Name, SSN, and Rank of Injured Personnel
- 8) Extent of Property Damage
- 9) Intentions regarding AR 15-6 Investigation

g. Range Limits / Miscellaneous:

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

2) Unit leadership will conduct a terrain walk with the OIC and Range Safeties prior to execution of the range to verify understanding of range limits.

3) Blank and live fire scenarios will be the same for each executing unit.

4) Individuals will be briefed on the necessity of positively identifying their targets prior to engaging, especially when during limited visibility.

5) All live fire participants will be thoroughly briefed on phase lines, checkpoints, and all other maneuver and fire support control measures. Elements will report when they have executed phase lines and are set at battle positions using PACE plans established during TLPs and validated by safeties.

6) Disposal / burning of unused mortar / artillery charges will be conducted IAW MCoE Reg 350-19.

8. SIGNAL:

a. Communications will be maintained between all key maneuvering elements and OCs at all times. This includes element to element, element to OC, and OC to RSO. A cease fire will be given if any element loses communication at any time. Positive communication between ground controllers and aircraft are required at all times when supporting aircraft are in the area. Positive FM Communications will be maintained at all times between OIC/RSO, ground controllers, and aircraft. If communications are lost, the range will go into a cease fire status (cold) until positive communications are reestablished with all assets.

b. Primary method of communication is FM. Alternate method will be ICOM radios. The retrans section will set up to enable long range communications between elements on DMPRC and firing points/FARP.

c. Emergency cease fire signals will be briefed prior to the start of all training exercises and will consist of: Primary Red Smoke (Day), Red Star Cluster (Night), Alternate: FM

- d. Communications will be maintained between observers and mortars and / or artillery while conducting indirect fire. No unobserved firing will be conducted. The Task Force Q36 Radar Section will assist in tracking rounds from the mortar firing point.
9. **MEDICAL:** Medical personnel and equipment on site will be IAW unit SOP and risk level for the training being conducted. Field Litter Ambulance (FLA) will be located IAW Commander / OIC guidance and not adjacent to the mess area. The Medical Air Evacuation (MEDEVAC) point will be IAW MCoE Regulation 350-19. All incidents will be reported to Brigade Headquarters and Range Division Alpha Base.
10. **AMMUNITION:**
 - a. The Range Ammunition NCO will sign for all ammunition.
 - b. Blank and live ammunition will be separated in the ASP to ensure that the correct ammunition is given for the correct type of iteration. Demolition charges will be held in a separate ASP 300m away from all personnel, buildings and equipment. Initiators will be held in a separate ASP away from demolition charges. The ASPs will be secured with triple strand concertina wire and guarded by at least two personnel at all times. Two 10lb BC fire extinguishers will be located at each ASP. Ammunition for CCA will be held in a separate ASP located on LAAF at the FARP.
 - c. The ASP will issue each element enough ammunition for one iteration at a time.
 - d. Each element will return all unexpended ammunition to the ASP at the end of its iteration.
 - e. 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.
 - f. There will be an ammunition shakedown before and after every iteration.
 - g. Delinking and relinking ammunition is not authorized.
 - h. **Weapon / Ammunition Malfunction Reports:** The OIC or RSO will suspend all firing and immediately notify Range Division Alpha Base when a malfunction is experienced. The weapon and all components will be retained in place for an investigation by the DOL.
 - i. All hang fires / misfires / duds will be cleared IAW Misfire Range Division Alpha Base procedures and are outlined in the risk assessment. CCA hung ordinance procedures dictate that the aircraft will remain over the impact area, or return to the impact area as soon as the condition is recognized. Aircrews will immediately notify the GSO/GTAC of the situation, terminate training, attempt to

correct the condition IAW the standard packet and notify Range Division (Alpha Base). Aircraft with a runaway gun will maintain level flight straight ahead (360 degree heading) until the condition is corrected or the ammunition is expended.

- j. Prior coordination with live fire ranges adjacent to the K15 area will be accomplished with Range Operations prior to any air missions.

11.RESPONSIBILITIES:

- a.Unit will provide necessary range personnel and equipment.
- b.Units receiving training will ensure that all elements conducting the exercise has completed all prerequisites prior to execution.
- c.The unit will maintain continuous radio communications with Range Division Alpha Base at all times. If communications are lost, the unit will go into a check fire until communications are restored.
- d.Communications will be maintained between the OIC, RSO, and all guard posts at all times.
- e.The unit will ensure that the entire range complex is cleared upon the completion of the training event.
- f.Roadblocks, barriers, and gates will be closed and manned IAW the Roadblock / Road Guard enclosure.

- 12.The point of contact for this action is CPT Andrew LeMarQuand and can be reached at (706)-544-2119 or andrew.m.lemarquand.mil@mail.mil



ANDREW M. LEMARQUAND
CPT, IN
Company Commander

DMPRC Range, 1/28 Company LFX (Log #01-04-16) Weapons and Ammunition List Enclosure

Firing Positions	Weapons	Ammunition	Left Limit of Fire	Right Limit of Fire	Targets
Eng #1 - LS STR -1031 8953, LS STP -1044 8961, RS STR - 1035 8946, RS STP - 1048 8956	M4/M16, M203	5.56mm Blank/Ball, 40mm, TP	53	64	T1, SA6, M101
Eng #1 - LS STR -1071 8898, LS STP -1088 8906, RS STR - 1077 8890, RS STP - 1094 8898	M4/M16, M203	5.56mm Blank/Ball, 40mm, TP	49	75	T5, T15, M301
Eng #2 SBF- 1044 8961 (L) to 1048 8956 (R)	M4/M16, M203, M240B	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer	55	66	SA6, SA7, M101
Eng #2 SBF- 1088 8906 (L) to 1094 8898 (R)	M4/M16, M203, M240B	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer	44	83	T15, SA1, SA13, M301
Eng #3 SBF Shift Fire- 1088 8906 (L) to 1094 8898 (R)	M4/M16, M203, M240B	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer	53	83	T5, T15, SA13, SA63
Eng #4 SBF- 1125 8961 (L) to 1127 8958 (R)	M4/M16, M203, M240B	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer	65	73	T12, SA3
Eng #5 SBF Shift Fire-1125 8961 (L) to 1127 8958 (R)	M4/M16, M203, M240B	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer	69	93	SA3, SA10, 1/2 of T12
Eng #6 (Assault) - LS STR -1149 8983, LS STP - 1150 8983, RS STR - 1150 8983, RS STP - 1050 8983	M4/M16, M203	5.56mm Blank/Ball, 40mm, TP.	58	63	Attacking targets on the Northeast corridor of the trench
Eng #7 - LS STR -1080 9035, LS STP -1197 9052, RS STR - 1184 9030, RS STP - 1201 9048. BP4B (SBF) LS - 1210 8957 RS - 1211 8985.	M4/M16, M203, M240B	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer	45 - SBF - 29	57 - SBF - 69	T26, T30, T52, T29, SA37, SA46, SA57. SBF Targets - T20, T24, T28, SA30, SA65, SA60
Eng #8 SBF-1200 9024 (L) to 1203 9021 (R)	M4/M16, M203, M240B	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer	35	37	Stick targets outside of the building.
Eng #9 SBF Shift Fire-1200 9024 (L) to 1203 9021 (R)	M4/M16, M203, M240B	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer	90	93	Targets out in the open right target - 1232 9021 left target - 1231 9023.
Eng #9A (Assault) - LS STR -1210 9034, LS STP - 1210 9034, RS STR - 1210 9035, RS STP - 1211 9034	M4/M16, M203	5.56mm Blank/Ball, 40mm, TP.	58	63	Attacking targets inside the building. (Attack will be northeast only).
Eng #10 SBF5 - 1263 9099 (L) to 1263 9098 (R)	M4/M16, M203, M240B, 300 WIN MAG, 60mm Mortars	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer, 300 WIN MAG, 60mm -HE, Smoke, Illum	20	43	T33, SA36, SA46, M102, M103
Eng #11 SBF4 - 1330 9087 (L) to 1331 9085 (R)	M4/M16, M203, M240B	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer	55	57	Left Target - 1374 9117 Right Target - 1369 9110
Eng #12 SBF3 - 1367 9063 (L) to 1369 9062 (R)	M4/M16, M203, M240B, 300 WIN MAG, 60mm Mortars	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer, 300 WIN MAG, 60mm - HE, Smoke, Illum	12	53	Left Target - 1372 9082 Right Target - 1384 9072
Eng #13 SBF Shift Fire-1367 9063 (L) to 1369 9062 (R)	M4/M16, M203, M240B, 300 WIN MAG	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer, 300 WIN MAG	37	53	Left Target - 1380 9079 Right Target - 1384 9073

Eng #14 LSBF1 - 1369 9084 (L) to 1372 9084 @. LSBF1 Shift Fire - LS - 1369 9084 RS - 1372 9084	M4/M16, M203, M240B	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer	348 Shift - 59	37 Shift - 62	Left Target - 1367 9095 Right Target - 1377 9092 Shift Target - Left Target - 1389 9096 Right Target - 1392 9094.
Eng #15 - LS STR -1368 9093, LS STP - 1367 9095, RS STR - 1369 9094, RS STP - 1368 9095	M4/M16, M203	5.56mm Blank/Ball, 40mm, TP	342	346	Left Target - 1367 9097 Right Target - 1368 9097
Eng #16 Counterattack - 1377 9106 (L) to 1380 9107 (R)	M4/M16, M203, M240B	5.56mm Blank/Ball, 40mm, TP, 7.62 Blank/Ball/Tracer	4	74	Left Target - 1377 9114 Right Target - 1395 9111
Eng #17 Bangalore - 1362 9082	Bangalore Torp M1A1	Bangalore Torp M1A1	Direction - 65		Target - 1363 9082
Eng #18 Artillery Firing/Shift Fire - FP #1 - 11408 91698 FP #2 - 11459 91590	105mm	HEAT M67, SMK WP M60A2 SER, HE M760, HE M1 W/O FUZE, ILLUM M314/A1/A2/A3	FP1 - 98, FP2 - 96, FP1 SHFT - 60, FP2 SHFT - 59	FP1 - 106, FP2 - 104, FP1 SHFT - 66, FP2 SHFT - 64	Hartell Impact Area/ K15 Targets 50 - 54
Eng #19 Mortar Firing/Shift Fire - FP #1 - 11306 91924 FP #2 - 11359 91815	120mm	HE M934, SMK WP XM/M929, FULL RANGE PRAC M931	FP1 - 102, FP2 - 100, FP1 SHFT - 63, FP2 SHFT - 62	FP1 - 102, FP2 - 100, FP1 SHFT - 69, FP2 SHFT - 67	Hartell Impact Area/ K15 Targets 50 - 54
Eng #20 Corridor A Helo Attack - Start Fire 1420 9025 to 1461 8970 to Cease Fire 1479 9153 to 1531 9123.	2.75" FFAR, M2, M61 Vulcan, M230 Chain Gun, Mini Gun M134	2.75 Inert, .50 cal Ball/Tracer, 20mm (TP-T), 30mm (TP-T),			Attack Heading Left Side - 48, Right Side - 44
Eng #20 Corridor B Helo Attack - Start Fire 1325 9110 to 1370 9050 to Cease Fire 1430 9205 to 1474 9160.	2.75" FFAR, M2, M61 Vulcan, M230 Chain Gun, Mini Gun M134	2.75 Inert, .50 cal Ball/Tracer, 20mm (TP-T), 30mm (TP-T),			Attack Heading Left Side - 25, Right Side - 25

CALFEX CONCEPT (MACRO)

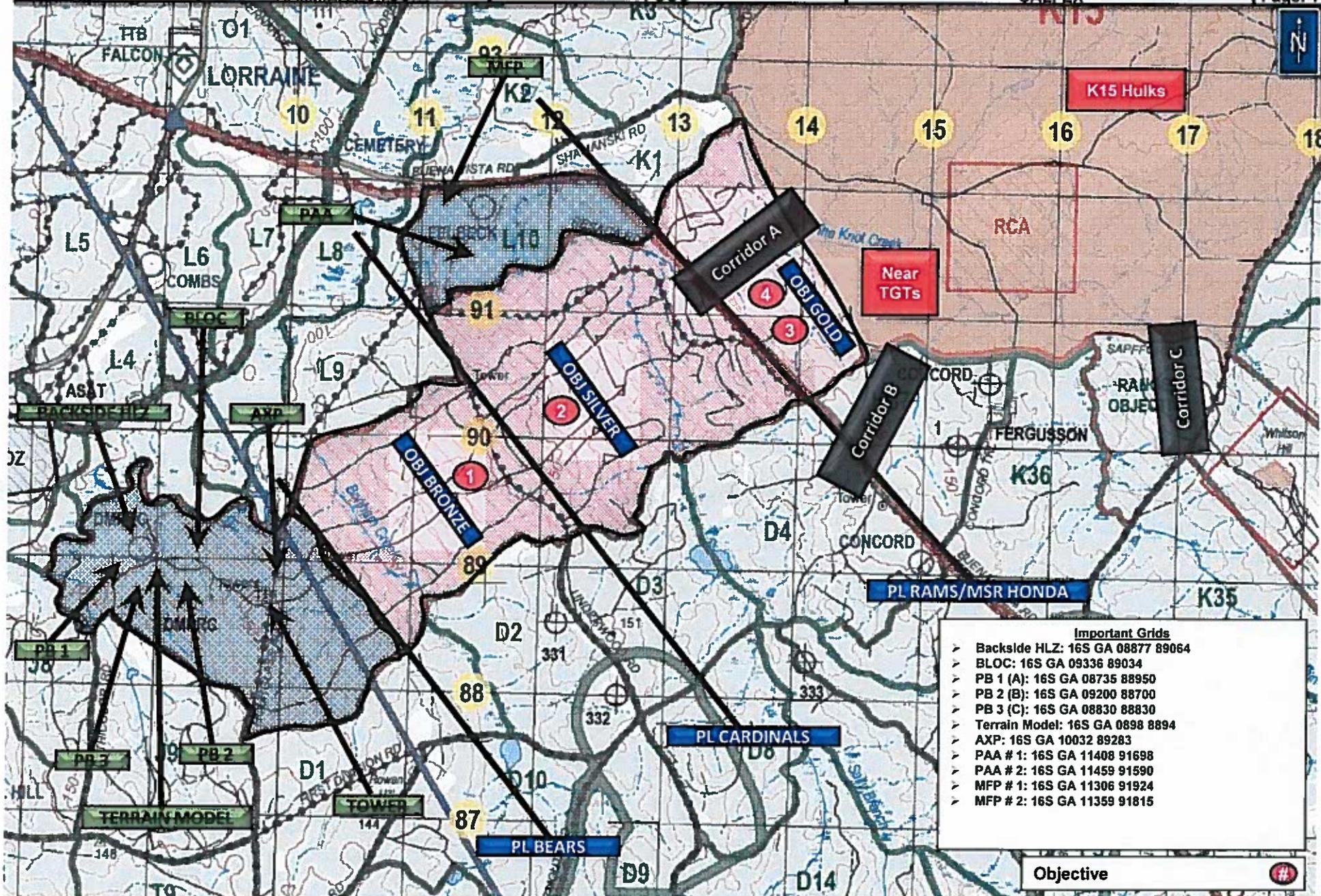
AS OF: 2/29/2016

HAMMER FOCUS

FOUO

CALFEX

Page: 1



- Important Grids**
- > Backside HLZ: 16S GA 08877 89064
 - > BLOC: 16S GA 09336 89034
 - > PB 1 (A): 16S GA 08735 88950
 - > PB 2 (B): 16S GA 09200 88700
 - > PB 3 (C): 16S GA 08830 88830
 - > Terrain Model: 16S GA 0898 8894
 - > AXP: 16S GA 10032 89283
 - > PAA # 1: 16S GA 11408 91698
 - > PAA # 2: 16S GA 11459 91590
 - > MFP # 1: 16S GA 11306 91924
 - > MFP # 2: 16S GA 11359 91815

Objective #

CALFEX CONCEPT (MICRO)

AS OF: 2/29/2016

HAMMER FOCUS

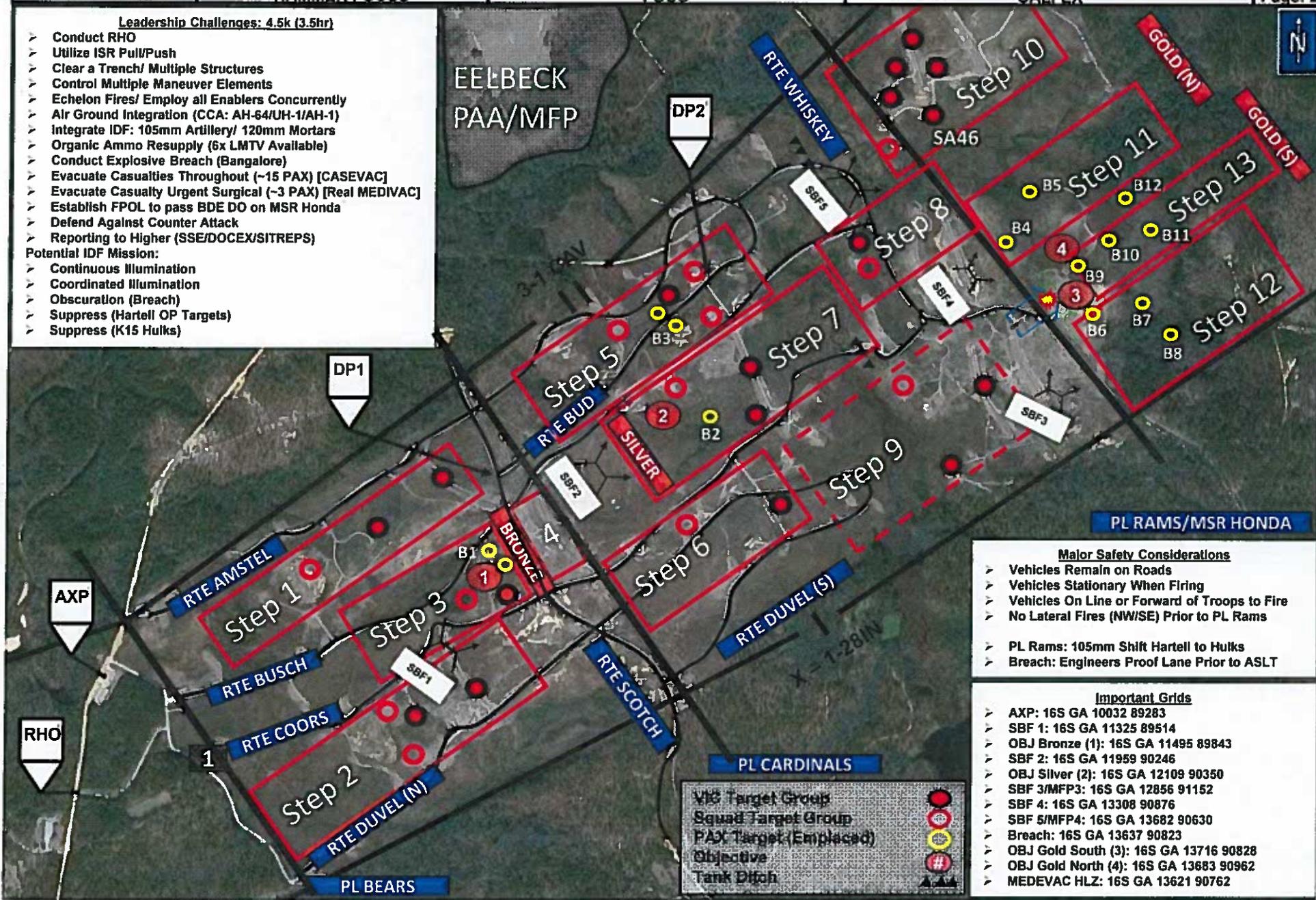
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CALFEX

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Leadership Challenges: 4.5k (3.5hr)

- > Conduct RHO
 - > Utilize ISR Pull/Push
 - > Clear a Trench/ Multiple Structures
 - > Control Multiple Maneuver Elements
 - > Echelon Fires/ Employ all Enablers Concurrently
 - > Air Ground Integration (CCA: AH-64/UH-1/AH-1)
 - > Integrate IDF: 105mm Artillery/ 120mm Mortars
 - > Organic Ammo Resupply (6x LMTV Available)
 - > Conduct Explosive Breach (Bangalore)
 - > Evacuate Casualties Throughout (~15 PAX) [CASEVAC]
 - > Evacuate Casualty Urgent Surgical (~3 PAX) [Real MEDIVAC]
 - > Establish FPOL to pass BDE DO on MSR Honda
 - > Defend Against Counter Attack
 - > Reporting to Higher (SSE/DOCEX/SITREPS)
- Potential IDF Mission:
- > Continuous Illumination
 - > Coordinated Illumination
 - > Obscuration (Breach)
 - > Suppress (Hartell OP Targets)
 - > Suppress (K15 Hulks)



PL RAMS/MSR HONDA

Major Safety Considerations

- > Vehicles Remain on Roads
- > Vehicles Stationary When Firing
- > Vehicles On Line or FORWARD of Troops to Fire
- > No Lateral Fires (NW/SE) Prior to PL Rams
- > PL Rams: 105mm Shift Hartell to Hulks
- > Breach: Engineers Proof Lane Prior to ASLT

Important Grids

- > AXP: 16S GA 10032 89283
- > SBF 1: 16S GA 11325 89514
- > OBJ Bronze (1): 16S GA 11495 89843
- > SBF 2: 16S GA 11959 90246
- > OBJ Silver (2): 16S GA 12109 90350
- > SBF 3/MFP3: 16S GA 12856 91152
- > SBF 4: 16S GA 13308 90876
- > SBF 5/MFP4: 16S GA 13682 90630
- > Breach: 16S GA 13637 90823
- > OBJ Gold South (3): 16S GA 13716 90828
- > OBJ Gold North (4): 16S GA 13683 90962
- > MEDEVAC HLZ: 16S GA 13621 90762

Legend

- VIC Target Group (Red circle)
- Squad Target Group (Yellow circle)
- PAX Target (Emplaced) (Red circle with #)
- Objective (Red circle with #)
- Tank Ditch (Black triangle)



RECORD OF ENVIRONMENTAL CONSIDERATION REC



EMD Number: 1604906

Project#: N/A

Project Title: Hammer Focus Company Live Fire/CALFEX

Description of Proposed Action:

3BDE, 3ID will execute dismounted Company Live Fire Exercises on DMPRC in conjunction with mounted Support (HMMWV), Artillery assets (105mm), IDF assets (120MM), and CCA assets (AH-64, AH-1, UH-1). Intent is for three companies to conduct both blank and live fire iterations for daytime and nighttime conditions from 29FEB16 to 10MAR16. Unit uses artillery and mortars from Eelbeck DZ and attack aviation on targets in the K15 Impact Area. 4 fighting positions will be dig on the Eelbeck DZ and filled upon completion of exercise. In addition, 60mm mortar fire will be conducted from the DMPRC into K15 Impact Area. In A sapper squad, moving with each company, conducts a wire obstacle breach with a Bangalore torpedo (in MCLIC area) prior to the unit clearing final objective on the north east side Buena Vista Road. Eight total Bangalore torpedoes will be used. Each company will perform a minimum of one blank iteration for both day and limited visibility, with the possibility of more. Each Company will perform one day live fire iteration and one limited visibility live fire iteration. No more than one Company will perform live fire iterations in one day. CCA will fire from in an air corridor located on DMPRC between 16S GA 1325 9110 to 16S GA 1370 9050, at targets located in K15 at GA 1463 9095. Start point for CCA firing will be in the vicinity of Buena Vista Road and stop point will be in the K15 area (See supporting documents). CCA will fly down the center of the DMPRC prior to beginning their attack. There will no digging and no disruption to the land, tree, existing battle/fighting positions, buildings, and trench system. Ammunition: 9mm tracer (AT-4 simulator), 5.56mm (blank and ball, single, linked and tracer), 7.62mm (blank and ball, linked and tracer), 40mm (TP-T, illuminator white star parachute and infrared), 120mm (HE, smoke, illuminator infrared and white parachute), 105mm (HE, smoke, smoke WP), Bangalore Torpedo, .50 Caliber, 2.75" Inert Rockets, 20mm (TP-T), and 30mm (TP-T). No HE will land in DMPRC; all HE will land in approved K15. .50 Cal, 20mm, 30mm and 2.75" Inert Rockets will not be fired into DMPRC, only into K15.

Project Location:

DMPRC, Eelbeck DZ, K15 Impact Area

Amount, Description, Location of Disturbance/Digging:

None

Number/Types of Vehicles:

9x LMTV, 11x HMMWV, 1x Fuel Truck (M978), 1x Wrecker (M98A2)

Number of Personnel:

500

Type of Ammunition:

Live: A059 (5.56mm Ball), A064 (5.56mm linked), AO, 60 mm mortar Live and Blank

Number/Types of Trees:

None

Types of Aviation:

AH-64, AH-1, UH-1; all CCA will be firing into K15 impact area

Other Concerns:

None

Size of Project Area: 3000 Acres

Duration of Action: Start:2/29/2016 Stop:12/31/2016

Proponent: Andrew M. LeMarQuand 7074949091

Unit, Section or Dept: 3D BDE, 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 December 31, 2016

Cultural Resources - Archeological

None

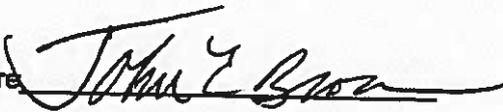
Edward Howard (706-545-1898), 2/18/2016

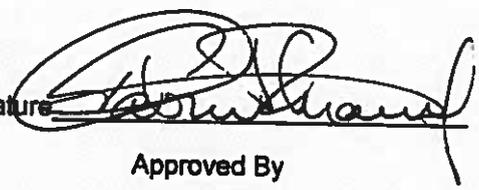
No Comment.

EMD Number: 1604906 **Project#** N/A
Project Title: Hammer Focus Company Live Fire/CALFEX

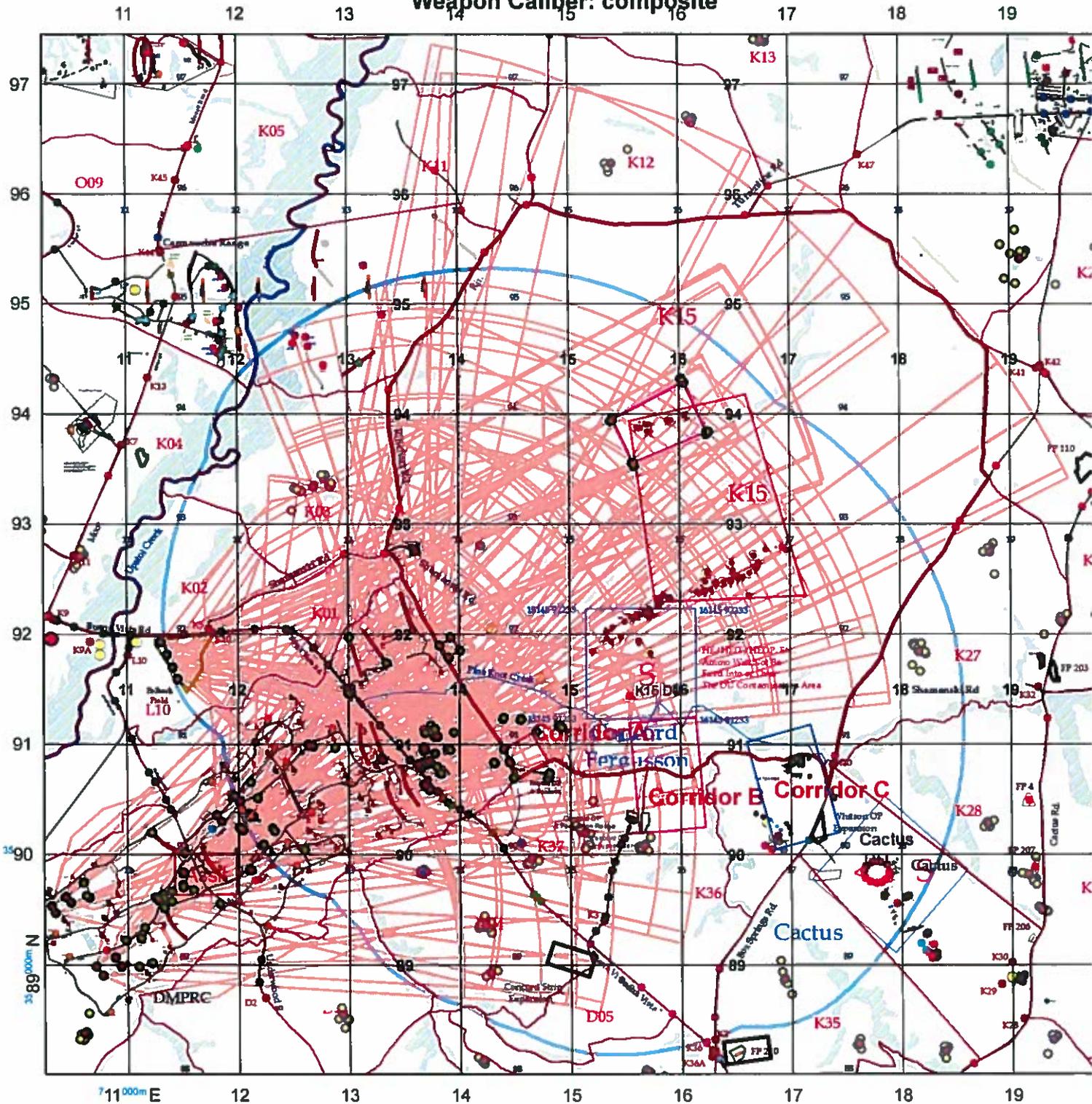
.....

up any spill 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 26 FEB 2016

Signature 
Approved By
Patrick R. Chauvey
EPMB Chief
Date 16 FEB 2016

FOUO Unclassified
Weapon Type: SMALL ARMS
Weapon Caliber: composite



Range Manager Signature Authority: Mr. Tesch		Date:			
Approving Authority: Johh T. Flores		Date:			
SDZ Created By:	Date: 02/29/2016	Unit: 1/28th IN	Phone:	Email:	
SDZ Name: dmprc_010416new2	FP: 16SGA1035489467	FP: 16SGA1125689612	FP: 16SGA1150489837	FP: 16SGA1203990219	
Installation: Fort Benning	FP: 16SGA1044389617	FP: 16SGA1128089587	FP: 16SGA1150589836	FP: 16SGA1201590238	
Range Name: DMPRC	FP: 16SGA1048989565	FP: 16SGA1088389065	FP: 16SGA1180590359	FP: 16SGA1202990228	
Range Officer: OIC	FP: 16SGA1071388988	FP: 16SGA1094288986	FP: 16SGA1185090302	FP: 16SGA1263190999	
Direct Fire	FP: 16SGA1077688903	FP: 16SGA1088389066	FP: 16SGA1197490526	FP: 16SGA1264090989	
Aerial Target	FP: 16SGA1088489065	FP: 16SGA1150089835	FP: 16SGA1201490482	FP: 16SGA1330790872	
FP: 16SGA1031289531	FP: 16SGA1094288985	FP: 16SGA1150089833	FP: 16SGA1200690246	FP: 16SGA1331390857	