

CAMP ATTERBURY JOINT MANEUVER TRAINING CENTER

Unit Checklist for Live Fire Maneuver Exercises

1. Live Fire Maneuver Exercises (LFMXs) are inherently extremely hazardous and are to be conducted only after detailed planning and progressive training events. They are generally conducted on any one of several established ranges with preset maneuver lanes and target emplacements. Use of these ranges will aid units in planning safe and effective training scenarios that require less developmental planning by the unit. Other LFMX courses of fire will be considered, but will require longer lead times for significant unit planning and for required review and approval processes.
2. Camp Atterbury has a specific LFMX checklist/procedure requirement that must be followed and completed prior to approval of any LFMX. This LFMX checklist/procedure form is available from Range Control. If you are not willing to dedicate the time and effort to properly plan the LFMX and comply with all of the requirements, consider lower risk training events such as MILES force-on-force training exercises.
3. Units prepare a Live Fire Packet in accordance with DA Pam 385-63, Ch 19 and CA Reg 385-63, Ch 19. This packet must be submitted to Camp Atterbury Range Control NLT 90 days prior to the date of execution.
4. All LFMX Packets, at a minimum, will contain the following:
 - a. **Letter of Instruction, (LOI)**
 - See description in LFX example packet, but must be signed off on by the Battalion Commander
 - b. **Commander's Certification by Memorandum for Record:** This document will verify that all personnel have met the prerequisites listed in chapter 19, paragraph (f), subparagraphs 1-5 of CA 385-63.
 - c. **Detailed Sketch of the Scheme of Maneuver Sketch:** This includes accurate grid coordinates of firing points, target locations, maneuver lanes, support by fire locations, and limits of advance. Based on Sketch and terrain walk, unit will work with the Range Live Fire Safety Coordinator on developing a **composite exercise Surface Danger Zone (SDZ)**, IAW Appendix C paragraphs C-3 and C-4 of DA PAM 385-63, for the exercise.
 - d. **DD 2977 (Deliberate Risk Assessment Worksheet):** The mitigating factors and acceptance levels that this document cites will be sent with the packet. Risk assessment will include mitigation if not using hearing protection and how blank and live rounds will be kept separate. A final risk assessment will be updated and signed the day of the exercise, taking in to account current status and conditions relating to the exercise. A separate risk assessment will be submitted for night firing. A cut and paste from a previous exercise with just a date change is not acceptable. This document must be signed off on by the Battalion Commander.

➤ See example and instruction sheet in LFX example packet.

- e. **Composite SDZ:** This document will display the Surface Danger Zone coverage, and the lockdown positions. This document will be created by the Live Fire Safety Manager which will be created using the units LOI. Once complete the Composite SDZ will be approved by the Range Officer.

CAMP ATTERBURY JOINT MANEUVER TRAINING CENTER
Approval Process for Live Fire Maneuver Exercises
and Live Fire Shoot House Exercises

1. The process for approval of a maneuver live fire and live fire shoot house request is as follows:
 - a. Units will request the Range through Camp Atterbury Scheduling utilizing RFMSS or the CA Form 350-1 submitted to scheduling branch.
 - b. Units or organizations planning to conduct a LFMX or LFSH Exercise must begin to coordinate the plan and scenario for the exercise with Range Control NLT 90 days in advance of the planned exercise. This will ensure availability of resources. If this window is not met then the request may be denied.
 - c. Units will request the Range through Camp Atterbury Scheduling utilizing CA Form 350-1.
 - d. Units must contact the Camp Atterbury Scheduling office at 812-526-1678 in order to procure the proper documents and information necessary to build their live fire packet.
 - e. Units must reference and comply with CA Reg 385-63, chapter 19 and 20 when constructing their live fire packet.
 - Live Fire Shoot House Packets will coordinate their exercise and packet through Range Control and RTLP.
 - f. The completed packet will be submitted to the Range Control Live Fire Safety Coordinator, Air ops coordinator, Assistant Chief of Ops, Range Control Officer, and the Current Ops Chief for completeness and compliance.
 - g. The approved packet is presented to the DPTM
 - Range Control Officer for final RFMSS approval.
 - Range Manager, for target support and operator training requirements. It is essential to insure proper targets etc. are available.
 - Range Control NCOIC to arrange for support by Range Control.
 - h. The completed and reviewed packet will then be submitted to the Current Operations Chief for final approval.

UNIT LETTERHEAD

DATE DOCUMENT

PUBLISHED

MEMORANDUM FOR CAJMTC Range Control

SUBJECT: Letter of Instruction (LOI) (List date of event, location, and event type).

Example: *Letter of Instruction (LOI) for LIVE FIRE AND MANEUVER EXERCISE on Range 37 on 22JAN2009 at Camp Atterbury, Indiana.*

Ref: List Applicable References

Example:

- (a) DA PAM 385-63*
- (b) CA 385-63*
- (c) Applicable field manuals*

1. LOI: This block needs to include the following:

a. **Type of mission:**

Example: *Dismounted or Mounted Deliberate Attacks (daytime only)*

b. **Level of Mission:**

Example: *Squad LFX or Mounted Convoy Patrol*

c. **Training Plan:** List a detailed training plan to include intermediate training objectives and final training objective. A progressive training plan for rehearsal walk through, blank and live runs to include number of planned iterations for day and night.

Example: *All members of the Company have recently undergone and passed marksmanship training. The Company has been through LFAM ranges within the current year. Each squad will conduct a talk-through, dry run, and blank ammunition run of the scheme of maneuver on the range until safety personnel are satisfied that every Soldier is proficient with the scheme of maneuver. Squad leaders and safety personnel will also conduct a walk through prior to the live fire iteration. Number of planned iterations will be 6 for day and 6 for night.*

d. **Scheme of Maneuver:** List a detailed sequence of events from start of planned event through completion. (This may be done in power point as an attachment visually displaying the sequence of events, however it may be done in paragraph form) NOTE: A sketch of scheme of maneuver will be required.

Example: *The platoon maneuver element (2 squads) will begin at the starting point (vic of grid EJ1234 5678). A Support by Fire element, composed of a MG squad and rifle squad, will be established in the (vic of grid EJ8765 4321). The SBF element will engage targets on Objective Bravo, while the PLT maneuvers in a northerly direction towards Objective Bravo. When the PLT reaches the shift fires position, the SBF element will shift fires on order to the sniper location (west of Obj. Bravo vic EJ6549 5555). When the PLT reaches the cease fire position, the SBF element, on order, will cease all fires. The PLT will assault through OBJ Bravo to the LOA, PL Red (Road 4E, immediately north of OBJ Bravo). On order, the SBF element will displace and collocate with the PLT. The PLT will consolidate and reorganize on Objective Bravo.*

- e. **Safety Plan:** List a detailed description of your Safety Plan to include the following: Locations of OIC, RSOs, and OCS; List Ammunition breakdown/segregation plan. A detailed MEDEVAC plan is required IAW CA 385-63.

Example: *The RSO will be assisted by 6 non-participating safety NCO's per platoon iteration. The RSO and OIC will be strategically placed in order to provide the best command and control of the training event. A non-participating qualified medic will maneuver downrange with the platoon. The RSO and OIC will maintain positive communications with the safety vehicle and range control. The safety vehicle will be parked at the starting point (vic of grid EJ 1234 5678). The safety vehicle will maintain a fuel level above 3/4s of a tank. The safety vehicle driver will be briefed about Camp Atterbury MEDEVAC procedures. All pyrotechnic, blank, and ball ammunition will be physically separated by a minimum of 50 feet.*

- f. **Scheme of Maneuver Sketch:** (This may be done in PowerPoint as an attachment visually displaying the sequence of events or it may be done in paragraph form)
NOTE: A sketch of scheme of maneuver will be required. The sketch will be a SEPARATE attachment from the SOM statement.

Medical Coverage Plan: Coverage and Evacuation. A detailed MEDEVAC plan is required IAW CA 385-63. If there is a MEDEVAC and the assigned medic leaves with the patient then the range CANNOT continue training until another medic is on site. Reference established MEDEVAC plans for your specific range or training area.

- g. **Example: RG 37 Coverage Plan**

Coverage: Event OIC will coordinate for MOS qualified medics to be onsite for the entire time that the Range is in a "HOT" status. These medics will come from the medical detachment that is organic to the Brigade.

Dedicated Evac Vehicle: Additionally these medics will have a fully equipped FLA that they will ensure remains above 3/4s full of fuel. The FLA will be strategically placed on the range by the OIC with its position being briefed to all participants.

Primary Procedure: MEDEVAC procedures will be briefed to all personnel on the range. Range OIC and RSO will contact Range Control in the event of any safety incident or weapons malfunction. An injured Soldier will initiate self and buddy aid. The injured soldier will be seen by the onsite MOS qualified medic. The OIC or RSO will contact Range Control for all MEDEVAC requests. The on-site medic and the OIC in coordination with Range Control will make the decision on whether ground or aerial MEDEVAC is required. The RSO will prep the LZ or initiate the ground MEDEVAC.

No Comm Plan: The MOS qualified medic will initiate ground MEDEVAC. The RSO will send a messenger to Range Control. The OIC will place themselves into a “Check Fire” until communication is established.

- h. **Internal Communications Plan:** List the Command, Control, and Communications Plan for the exercise. Tactical FM frequencies used in the exercise must be requested from the Camp Atterbury Frequency Manager prior to the exercise (812) 526-1499 ext. 2047. Note that in some areas FM communication is weak and that you may need to reach higher ground for a signal. If this occurs switch to channel 2 on your range control issued radio and attempt to establish communication again. Keep in mind that a radio check must be performed at the bottom of every hour with the range control fire desk.

Example:

	<u>Primary</u>	<u>Secondary</u>
Cease Fire:	voice	whistle
Emergency cease:	red pyrotechnics	whistle/voice/hand&arm

Positive radio and signal communications will be maintained between the OIC, RSO, and safety vehicle. In addition, positive radio communications will be maintained between the OIC, RSO, and Range Control. A radio watch and relay station will be established in the Range Tower. Intra-Squad Radios will be used as backup communications between all agencies at the range. Voice communications and hand-and-arm signals will be maintained between the RSO and non-participating safety NCOs.

- i. **Weapons, Ammunition, and Pyrotechnics:** Provide a complete listing of all weapons, types of ammunition, and pyrotechnic items that are planned for use during the exercise.

Example: *Below is the complete listing of all weapon systems, types of ammunition, and types of pyrotechnics that will be used throughout this operation.*

(a) Weapons Systems:

Example: M16A4/ M203/ M249 SAW/ M240 Bravo

(b) Ammunition: Use Department of Defense Identification Code (DODIC)

Example: A059/ A062/ A143/ B504/ B535/ G940/ G982/ A080/ A075/ A111

(c) Pyrotechnics:

Example: L601 L603 G940 G950 G955

j. Range Activity Timeline:

Example:

08 January	
1200	Unit will occupy range
1300-1330	Safety Brief
1330-1730	Squad LFAM Dry and Blank Run
1730	Call Range Cold
09 January	
0600	Unit will occupy range
0700-0730	Safety Brief
0730-0745	Ammo Issue
0745-1200	Squad LFAM Live Fire
1700	Call Range Cold
10 January	
0600	Unit will occupy range
0700-0730	Safety Brief
0730-0745	Ammo Issue
0745-1200	Squad LFAM Live Fire
1700	Call Range Cold
11 January	
0700-TBD	Final Police Call

- k. **Environmental Assessment:** Describe how the exercise will affect the environment and list the mitigations you will take to decrease the negative environmental impact. Areas to be covered are wildlife and nature preservation, spills and spill response, rut damage, trash and debris, as well as, any other way the operation will affect the environment.

Example: *This exercise will have minimal impact on the environment. The following mitigations have been made in order to prevent environmental damage: Unit will only travel on approved roads and trails on the range. If rut damage is created the Range OIC or RSO will notify Range Control so the proper repair or remediation can be arranged for. Unit will have a spill response kit on-site to contain any POL spills. Additionally, the Unit will notify Range Control of any spill and will request additional support if necessary. The Range OIC or RSO will ensure that the Camp Atterbury Spill Response Worksheet is completed and turned into Range Control immediately following the incident. The Unit will not throw pyrotechnics in bodies of water or near trees. Unit OCs and safeties will ensure that participating personnel are briefed to not intentionally fire at wildlife. Upon completion of Range Operations the Unit will conduct a thorough police call of all affected areas in order to ensure that all trash, debris, and brass have been picked up.*

1. **Range Set up and Clearance Plan:** Describe how you will complete range set up and clearance operations. Also list any special request items needed for the operations such as targets, hostile fire simulators, training aids, and Class IV materials. All ranges will need to be walked by a range control representative for issuance and clearance.

Example: *The event OIC will coordinate with Camp Atterbury RTLTP on 03JAN2009 in order to discuss the emplacement of targets for the exercise. We will be prepared to provide Camp Atterbury RTLTP with a working party to assist in the set-up of the targetry if so requested, the day prior to the event. The safety vehicle and RSO will drive through the objectives and range prior to live fire. During the day of the event, brass will be policed between each iteration and at the end of operations. At end of the day's operations, the Range OIC will ensure that all required range clearance and range usage documentation is submitted to Range Control prior to 2300 hours. This documentation includes: Strength Report, Facility Usage Report, and clearance of all hand receipt items. Special Request Items)*
Special Request Items: This training event will require the use of hostile fire simulators.

2. The following list includes all personnel who have been briefed and fully trained on this MLFX packet. These personnel are authorized to hold the position of OIC or RSO. If a hot time is requested and the names haven't already been authorized then a hot time will not be issues.

- a. John smith, CPT OIC
- b. Dave Smith, SFC RSO
- c. Jack Smith, MAJ OIC/RSO

3. Point of contact at this command, for this operation, is MAJ Dave Johnson at commercial (812) 867-5309.

John A Doe
LTC, IN
Commanding

MEMORANDUM FOR RECORD

SUBJECT: COMMANDER'S CERTIFICATION OF COMPLETION OF MANEUVER LIVE FIRE PREREQUISITES IAW CA385-63 CH. 19

1. I certify that all personnel participating in the Live Fire Maneuver Exercise scheduled to take place on Range 37 Camp Atterbury, 22JAN2009, have met the necessary prerequisites to safely participate in this exercise.
 - a. All personnel have zeroed and qualified with the weapons and optics (both day and night) that they will use during the exercise.
 - b. All personnel will participate in all blank and dry rehearsals. No personnel will advance to the live-fire portion of the training until the Unit Command's assessment of all personnel's training is up to standard.
 - c. All personnel will participate in day live fire iterations prior to participating in night fire iterations. There will be no exception.
 - d. All personnel participating in the night fire iterations will have and use their assigned night vision devices.
2. All training has been documented and will be readily available in the event of a safety investigation.
3. POC for this memorandum is MAJ John Doe (123) 456-7891 john.doe@us.army.mil.

Jack D. Smith
LTC, INARNG
1/234 IN
COMMANDING