



SLR.30
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**UNITED STATES MARINE CORPS
WEAPONS TRAINING BATTALION
MARINE CORPS COMBAT DEVELOPMENT COMMAND
QUANTICO, VIRGINIA 22134-5040**

DETAILED INSTRUCTOR GUIDE

LESSON TITLE

FIELD FIRING DRY FIRE/SIMULATION EXERCISES

COURSE TITLE

SUSTAINMENT LEVEL RIFLE MARKSMANSHIP (PHASE I, II, III)



SLR.30
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Weapons Training Battalion
Marine Corps Combat Development Command
Quantico, Virginia 22134-5040

INSTRUCTOR PREPARATION CHECKLIST

ESSENTIAL DATA

LESSON DESIGNATOR	SLR.30
LESSON TITLE	Field Firing Dry Fire/Simulation Exercises
DATE PREPARED	1 October 1999
TIME	2 hrs
METHOD	Practical application
LOCATION	Outdoor range and/or ISMT facility
INSTRUCTORS REQUIRED	Primary Marksmanship Instructors (PMI)/Range Coaches as needed
REFERENCES	MCRP 3-01A and MCO 3574.2_
TRAINING AIDS/EQUIPMENT	Dummy ammunition and targets



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DETAILED OUTLINE

FIELD FIRING DRY FIRE/SIMULATION EXERCISES

INSTRUCTOR'S NOTE: *This practical application consists of dry fire exercises followed by ISMT exercises. If you do not have an ISMT facility, only conduct the dry fire exercises.*

1. TRAINING OBJECTIVE

a. Intent. This exercise will enable Marines to practice the skills learned in Phase III marksmanship training and will introduce Marines to the Field Firing Live Fire Exercises.

b. Learning Objectives. The Terminal Learning Objectives and Enabling Learning Objectives pertaining to this lesson are as follows:

1) Terminal Learning Objective. Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, and targets, without the aid of references, engage targets of limited time exposure with the rifle IAW MCRP 3-01A and to achieve a proficiency level IAW MCO 3574.2_. (PVTX.11.6)

2) Enabling Learning Objective. Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, and targets, without the aid of references, employ offset aiming techniques IAW MCRP 3-01A. (PVTX.11.6f)

3) Terminal Learning Objective. Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, a target, and field protective mask, without the aid of references, engage targets with the rifle while wearing the field protective mask IAW MCRP 3-01A and to achieve a proficiency level IAW MCO 3574.2_. (PVTX.11.8)



4) Enabling Learning Objectives

a) Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, a target, and field protective mask, with the field protective mask donned, assume a firing position IAW MCRP 3-01A. (PVTX.11.8a)

b) Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, a target, and field protective mask, with the field protective mask donned, apply the fundamentals of marksmanship IAW MCRP 3-01A. (PVTX.11.8b)

c) Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, a target, and field protective mask, with the field protective mask donned, apply offset aiming techniques IAW MCRP 3-01A. (PVTX.11.8c)

5) Terminal Learning Objective. Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, and targets, without the aid of references, engage multiple targets with the rifle IAW MCRP 3-01A and to achieve a proficiency level IAW MCO 3574.2_. (PVTX.11.9)

6) Enabling Learning Objectives

a) Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, and targets, without the aid of references, employ multiple target engagement techniques IAW MCRP 3-01A. (PVTX.11.9b)

b) Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, and targets, without the aid of references, assume an unsupported field firing position IAW MCRP 3-01A. (PVTX.11.9c)

c) Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, and targets, without the aid of references, reload the rifle IAW field considerations and MCRP 3-01A. (PVTX.11.9d)



7) Terminal Learning Objective. Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, and moving targets, without the aid of references, engage moving targets with the rifle IAW MCRP 3-01A and to achieve a proficiency level IAW MCO 3574.2_. (PVTX.11.10)

8) Enabling Learning Objectives

a) Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, and moving targets, without the aid of references, determine the lead to engage moving targets IAW MCRP 3-01A. (PVTX.11.10a)

b) Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, and moving targets, without the aid of references, use the tracking method to engage moving targets IAW MCRP 3-01A. (PVTX.11.10b)

c) Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, and targets, without the aid of references, assume a supported field firing position IAW MCRP 3-01A. (PVTX.11.10c)

d) Given an M16A2 service rifle, sling, cartridge belt, magazines, magazine pouches, flak jacket, helmet, suspenders, ammunition, and moving targets, without the aid of references, use the ambush method to engage moving targets IAW MCRP 3-01A. (PVTX.11.10d)

2. (1 HR) PRACTICAL APPLICATION FOR FIELD FIRING (DRY FIRE)

a. Introduction. Dry fire training must be conducted by a qualified marksmanship instructor (MOS 8530 Range Coach or MOS 9925 Range Officer). The marksmanship instructor must provide instruction and feedback and analyze and correct shooting performance. Proper weapons handling procedures must be enforced throughout dry fire training.

b. Focus. The following points will be emphasized in the practical application:

- 1) Engagement of limited time exposure targets.
- 2) Assuming a position with the field protective mask



SLR.30
1 Oct 99

donned.



- 3) Applying the fundamentals with the field protective mask donned.
- 4) Applying offset aiming techniques.
- 5) Engagement of targets while wearing the field protective mask.
- 6) Engagement of multiple targets.
- 7) Assuming a supported field firing position.
- 8) Assuming an unsupported field firing position.
- 9) Reloading the rifle.
- 10) Employing multiple target engagement techniques.
- 11) Engaging moving targets.
- 12) Employing moving target engagement techniques.

c. Exercise Setup

- 1) Ensure there is an open area of sufficient size so Marines do not cover other Marines with their weapons during the exercise.
- 2) Ensure there are sufficient dry fire barrels and targetry ("E" targets representing 200 and 300 yards) to support Marines.
- 3) Each Marine will remove the follower from two magazines to facilitate dry fire.
- 4) Ensure there are two sandbags at each firing point to use for support.

d. Equipment. The following equipment is required for each Marine:

- 1) Standard issue M16A2 service rifle. The M203 will not be attached to the service rifle during SLR firing.
- 2) Standard issue web sling.
- 3) Cartridge belt with suspenders or cartridge belt with load-bearing vest. (Suspenders are not required if wearing a load-bearing vest.)
- 4) Magazines.
- 5) Magazine pouches. (Load-bearing vests may be



substituted for magazine pouches.)

6) Field protective mask with inserts (required of units who have this equipment on their T/E).

7) Flak jacket and helmet (required of units who have this equipment on their T/E).

8) Any item of cold or foul-weather gear authorized to be worn by Marines.

INSTRUCTOR'S NOTE: *A load-bearing vest may be substituted for magazine pouches and suspenders. Gear will be worn in accordance with the MBST Handbook.*

e. Conduct of Exercise. Assign relays and firing points for all shooters. Ensure that commands are stated clearly and that all Marines follow the commands as directed. Use a stopwatch to keep accurate times. Ensure that all shooters adhere to the four safety rules and perform weapons handling procedures. Inform Marines of the following procedures for the dry fire exercise:

- 1) Marines will only dry fire one shot as designated.
- 2) After dry firing, Marines will search and assess to standing.
- 3) During search and assess, the weapon will not be placed on safe and the Marines will keep a straight trigger finger.
- 4) Once search and assess is completed, the Marine will cock the rifle and place the rifle on safe.

f. Commands for the Field Firing Dry Fire. The following commands will be used to conduct the dry fire practical application.

- 1) Stage One: Limited Exposure Time

"Relay ____ move to the firing line and assume the Tactical Carry."

"With an empty magazine, load, (Pause) make ready."

"When your "E" target appears, dry fire 1 shot kneeling in a time limit of 10 seconds."

"Targets."

"When your "E" target appears, dry fire 1 shot



prone in a time limit of 10 seconds."

"Targets."

"When your "E" target appears, dry fire 1 shot kneeling, cock the rifle, and dry fire 1 shot prone in a time limit of 15 seconds."

"Relay _____ with an empty magazine, conduct a Condition 1 reload."

2) Stage Two: Field Protective Mask

"On the command 'Gas', place your rifle on the deck in front of you with the muzzle pointed down range and the ejection port up, don and clear your field protective mask, and assume the Alert. **(Pause)** Gas."

"When your "E" target appears, dry fire 1 shot kneeling in a time limit of 15 seconds."

"Targets."

"When your "E" target appears, dry fire 1 shot prone in a time limit of 15 seconds."

"Targets."

"When your "E" target appears, dry fire 1 shot kneeling, cock the rifle, and dry fire 1 shot prone in a time limit of 30 seconds."

"Cease fire. **(Pause)** All clear."

3) Stage Three: Multiple Target Engagement

"Assume the Alert."

"When your "E" target appears, dry fire 1 shot kneeling on your target, cock the rifle, and dry fire 1 shot kneeling on the target to your right in a time limit of 15 seconds."

"Targets."

"When your "E" target appears, dry fire 1 shot prone on your target, cock the rifle, and dry fire 1 shot prone on the target to your right in a time limit of 15 seconds."

"Targets."



"When your "E" target appears, dry fire 1 shot kneeling on your target, cock the rifle, and dry fire 1 shot prone on the target to your right in a time limit of 20 seconds."

"Cease fire. (Pause) Unload, show clear."

3. (1 HR) PRACTICAL APPLICATION FOR FIELD FIRING (INDOOR SIMULATED MARKSMANSHIP TRAINER - ISMT)

a. Introduction. The ISMT can be used to enhance marksmanship training and prepare Marines for annual requalification firing. ISMT training must be conducted by a qualified marksmanship instructor (MOS 8531 Range Coach or MOS 9925 Range Officer). The marksmanship instructor must provide instruction and feedback and analyze and correct shooting performance. Proper weapons handling procedures must be enforced throughout ISMT training.

b. Focus. The following points will be emphasized in the practical application.

- 1) Engagement of limited time exposure targets.
- 2) Assuming a position with the field protective mask donned.
- 3) Applying the fundamentals with the field protective mask donned.
- 4) Applying offset aiming techniques.
- 5) Engagement of targets while wearing the field protective mask.
- 6) Engagement of multiple targets.
- 7) Assuming a supported field firing position.
- 8) Assuming an unsupported field firing position.
- 9) Reloading the rifle.
- 10) Employing multiple target engagement techniques.
- 11) Engaging moving targets.
- 12) Employing moving target engagement techniques.



c. Exercise Setup

- 1) Assign each Marine a firing point and a rifle.
- 2) Ensure each Marine places the ISMT magazines in his magazine pouch.
- 3) Ensure slings are attached to ISMT rifles.
- 4) Ensure there are two sandbags at each firing point to facilitate supported prone positions.
- 5) Brief all Marines on the procedures for each exercise to be conducted.

e. Equipment. The following equipment is required for each Marine:

- 1) ISMT M16A2 service rifle. The M203 will not be attached to the service rifle during SLR firing.
- 2) Standard issue web sling.
- 3) Cartridge belt with suspenders or cartridge belt with load-bearing vest. (Suspenders are not required if wearing a load-bearing vest.)
- 4) Magazines.
- 5) Magazine pouches. (Load-bearing vests may be substituted for magazine pouches.)
- 6) Field protective mask with inserts (required of units who have this equipment on their T/E).
- 7) Flak jacket and helmet (required of units who have this equipment on their T/E).
- 8) Any item of cold or foul-weather gear authorized to be worn by Marines.

INSTRUCTOR'S NOTE: A load-bearing vest may be substituted for magazine pouches and suspenders. Gear will be worn in accordance with the MBST Handbook.

f. ISMT Instructor Guidelines

- 1) Enforce the four safety rules. It is important that Marines establish the proper mindset in the ISMT facility for applying the safety rules, particularly muzzle awareness and treating every weapon as a loaded weapon.



2) Enforce weapons handling procedures.

a) Ensure the Marine properly seats the magazine on the "Load." An improperly seated magazine may not register as such on the ISMT.

b) Ensure the Marine pulls the charging handle fully to the rear on the "Make Ready." 'Short-stroking' the ISMT will still chamber a round.

c) Explain to Marines that a chamber check cannot be conducted on the ISMT because the chamber cannot be observed and the ISMT will register that a round has been extracted.

3) Analyze positions. The location of the air hose cable on the ISMT rifle requires an adjustment of forward hand placement on the handguards. The firing position and the sling may have to be adjusted to accommodate the cable. Work with Marines to ensure any adjustments made to accommodate the cable are as minimal as possible. Ensure Marines incorporate the seven factors common to all shooting positions.

4) Ensure proper BZO setting (8/3) is placed on the rifle. When the ISMT rifle is auto zeroed, sight adjustments do not have to be made between yard lines and targets can still be engaged point of aim/point of impact.

g. Conduct of Exercise. Assign relays and firing points for all shooters. Ensure that commands are stated clearly and that all Marines follow the commands as directed. Use a stopwatch to keep accurate times. Ensure that all shooters adhere to the four safety rules and perform weapons handling procedures. Inform Marines of the following procedures for the ISMT exercise:

1) After firing, Marines will search and assess to standing.

2) During search and assess, the weapon will not be placed on safe and the Marines will keep a straight trigger finger.

3) Once search and assess is completed, the weapon will be placed on safe.



h. Commands for ISMT Field Firing Course of Fire. The following commands will be used to conduct the ISMT practical application.

1) Stage One: 300-yard Limited Exposure Time

"Relay ____ move to the firing line and assume the Tactical Carry."

"With a magazine of 9 rounds, load, **(Pause)** make ready."

"When your "E" target appears, fire 2 shots kneeling in a time limit of 10 seconds."

"When your "E" target appears, fire 2 shots prone in a time limit of 10 seconds."

"When your "E" target appears, fire 2 shots kneeling then 2 shots prone in a time limit of 15 seconds."

"Cease fire."

"Relay ____ conduct a Condition 1 reload with a magazine of 19 rounds."

2) Stage Two: 300-yard Field Protective Mask

"On the command 'Gas', place your rifle on the deck in front of you with the muzzle pointed down range and the ejection port up, don and clear your field protective mask, and assume the Alert. **(Pause)** Gas."

"When your "E" target appears, fire 2 shots kneeling in a time limit of 15 seconds."

"When your "E" target appears, fire 2 shots prone in a time limit of 15 seconds."

"When your "E" target appears, fire 2 shots kneeling then 2 shots prone in a time limit of 30 seconds."

"Cease fire. **(Pause)** All clear."

3) Stage Three: 300-yard Multiple Target Engagement

"Assume the Alert."

"When your "E" target appears, fire 2 shots kneeling on your target, then fire 2 shots kneeling on the target to your right in a time limit of 15



SLR.30
1 Oct 99

seconds."



"When your "E" target appears, fire 2 shots prone on your target, then fire 2 shots prone on the target to your right in a time limit of 15 seconds."

"When your "E" target appears, fire 2 shots kneeling on your target, then fire 2 shots prone on the target to your right in a time limit of 20 seconds."

"Cease fire. **(Pause)** Unload."

4) Stage Four: 200-yard Limited Exposure Time

"Relay ____ move to the ready line, prepare a hasty sling, fill one magazine with 9 rounds, one magazine with 19 rounds."

"Relay ____ move to the firing line assume the Tactical Carry."

"With a magazine of 9 rounds, load, **(Pause)** make ready."

"When your "E" target appears, fire 2 shots kneeling in a time limit of 10 seconds."

"When your "E" target appears, fire 2 shots prone in a time limit of 10 seconds."

"When your "E" target appears, fire 2 shots kneeling then 2 shots prone in a time limit of 10 seconds."

"Cease fire."

"Relay ____ conduct a Condition 1 reload."

5) Stage Five: 200-yard Field Protective Mask

"On the command 'Gas', place your rifle on the deck in front of you with the muzzle pointed down range and the ejection port up, don and clear your field protective mask, and assume the Alert. **(Pause)** Gas."

"When your "E" target appears, fire 2 shots kneeling in a time limit of 10 seconds."

"When your "E" target appears, fire 2 shots prone in a time limit of 10 seconds."

"When your "E" target appears, fire 2 shots kneeling then 2 shots prone in a time limit of 15 seconds."



seconds."

"Cease fire. **(Pause)** All clear."

6) Stage Six: 200-yard Multiple Target Engagement

"Assume the Alert."

"When your "E" target appears, fire 2 shots kneeling on your target, then fire 2 shots kneeling on the target to your right in a time limit of 10 seconds."

"When your "E" target appears, fire 2 shots prone on your target, then fire 2 shots prone on the target to your right in a time limit of 10 seconds."

"When your "E" target appears, fire 2 shots kneeling on your target, then fire 2 shots prone on the target to your right in a time limit of 15 seconds."

"Cease fire. **(Pause)** Unload."

"Relay ____ stand by for groups."

7) Stage Seven: 200-yard Moving Target Engagement

"Relay ____ move to the ready line and prepare a hasty sling. **(Pause)** Fill one magazine with 16 rounds."

"Relay ____ move to the firing line and cover down on your assigned target. **(Pause)** Assume the Tactical Carry."

"With a magazine of 16 rounds, load, **(Pause)** make ready."

"When your "E" target appears, fire 2 shots kneeling on the target moving left to right, in a time limit of 15 seconds."

"When your "E" target appears, fire 2 shots kneeling on the target moving right to left, in a time limit of 15 seconds."

"When your "E" target appears, fire 2 shots prone on the target moving left to right, in a time limit of 15 seconds."

"When your "E" target appears, fire 2 shots prone on the target moving right to left, in a time limit



of 15 seconds."

"When your "E" target appears, fire 2 shots kneeling on the target moving left to right, in a time limit of 15 seconds, and move into the prone supported position."

"When your "E" target appears, fire 2 shots prone supported on the target moving right to left in a time limit of 15 seconds, search and assess back to standing."

"When your "E" target appears, fire 2 shots kneeling on the target moving left to right, in a time limit of 15 seconds, and move into the prone supported position."

"When your "E" target appears, fire 2 shots prone supported on the target moving right to left in a time limit of 15 seconds."

"Cease fire. (Pause) Unload, show clear."

4. AFTER EXERCISE PROCEDURES

Upon completion of the exercise, Marines will be critiqued on their performance. The following areas can be addressed when critiquing Marines:

- a. Weapons handling procedures.
- b. Assuming a field firing position.
- c. Compression of the fundamentals of marksmanship.
- d. Remedial action.
- e. Condition 1 reload and magazine retention.
- f. Rifle presentation techniques.
- g. Supported firing positions.
- h. Engagement with the field protective mask.
- i. Offset aiming techniques.
- j. Engagement of multiple targets.
- k. Multiple target engagement techniques.
- l. Moving target engagement techniques.



SLR.30
1 Oct 99

5. EXERCISE EVALUATION

The Marine must master all performance steps to pass this exercise (100% mastery of learning objectives). Marines failing to achieve mastery will receive remedial instruction.