

**Range Operations**  
**071-SAWE15 / Version 1.0**  
**Effective Date 08 Mar 2013**

**SECTION I. ADMINISTRATIVE DATA**

<b>All Courses Including This Lesson</b>	<u>Course Number</u>	<u>Version</u>	<u>Course Title</u>	
	None			
<b>Task(s) Taught(*) or Supported</b>	<u>Task Number</u>	<u>Task Title</u>		
	<u>Individual</u>			
	171-121-4022 (*)	Plan Live Fire Range Operations		
	171-121-4023 (*)	Conduct Live Fire Range Operations		
<b>Reinforced Task(s)</b>	<u>Task Number</u>	<u>Task Title</u>		
	None			
<b>Knowledge</b>	<u>Knowledge Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
	071-CMD-0044	Commander's Intent	No	Yes
	071-CMD-0047	Duties, Responsibilities, and Authority of NCOs and Officers	No	Yes
	071-COM-0007	Visual and Audio Signals	No	Yes
	071-NAV-0021	Compass Operations	No	Yes
	071-NAV-0023	Cardinal Directions	No	Yes
	071-NAV-0027	Military Grid Reference System	No	Yes
	071-NAV-0032	Azimuths	No	Yes
	071-OPN-0006	Organic Communication Equipment	No	Yes
	071-OPN-0027	Military Decision Making Process	No	Yes
	071-OPN-0029	Control Measures	Yes	No
	071-OPN-0038	Limited Visibility Operations	No	Yes
	071-OPN-0046	Coordination Techniques	No	Yes
	071-OPN-0050	TO&E Equipment	No	Yes
	071-WPN-0003	Demonstrate Knowledge of Ammunition Capabilities	No	Yes
	071-WPN-0062	Infantry Weapons Ammunition	No	Yes
	071-WPN-0063	Weapons Functions	No	Yes
	071-WPN-0069	Zeroing Techniques	No	Yes
	071-WPN-0077	Range Cards	No	Yes
	071-WPN-0080	Weapon Capabilities	No	Yes

<b>Skill</b>	<b><u>Skill Id</u></b>	<b><u>Title</u></b>	<b><u>Taught</u></b>	<b><u>Required</u></b>
	071-WPN-0024	Follow Safety Procedures	Yes	No
	071-WPN-0019	Identify Unserviceable Ammunition	No	Yes
	071-WPN-0052	Issue Fire Commands	No	Yes
	071-WPN-0030	Orient a Range Card to the Terrain	No	Yes
	071-WPN-0009	Zero Infantry Weapons	No	Yes
	071-WPN-0027	Zero Night Vision Devices to Infantry Weapons	No	Yes
	071-COM-0004	Employ Visual Signaling Techniques	No	Yes
	071-WPN-0047	Use Firing Tables	No	Yes
	071-COM-0001	Ability to Use Hand and Arm Signals	No	Yes
	071-COM-0005	Employ Audio Signaling Techniques	No	Yes

**Administrative/  
Academic  
Hours**

The administrative/academic hours required to teach this lesson are as follows:

<b><u>Academic</u></b>	<b><u>Resident Hours / Methods</u></b>		
Yes	0 hrs	10 mins	Lecture
Yes	1 hr	0 mins	Practical Exercise (Hands-On)
Yes	1 hr	0 mins	Conference/Discussion
Yes	0 hrs	0 mins	Test Review
Yes	0 hrs	0 mins	Test
<hr/>			
Total Hours:	2 hrs	10 mins	

**Test Lesson  
Number**

<b><u>Hours</u></b>	<b><u>Lesson Number</u></b>
None	

**Prerequisite  
Lesson(s)**

<b><u>Lesson Number</u></b>	<b><u>Lesson Title</u></b>
None	

**Training  
Material  
Classification**

Security Level: This course/lesson will present information that has a Security Classification of: U - Unclassified.

**Foreign  
Disclosure  
Restrictions**

FD7. This product/publication has been reviewed by the training/educational developers in coordination with the Fort Benning, MCoE FD authority. This product is NOT releasable to students from foreign countries.

**References**

<u>Number</u>	<u>Title</u>	<u>Date</u>	<u>Additional Information</u>
FM 3-22.68	Crew-Served Machine Guns, 5.56-MM and 7.62-MM	21 Jul 2006	
FM 3-22.9	RIFLE MARKSMANSHIP M16-/M4-SERIES WEAPONS	12 Aug 2008	
FM 5-19	COMPOSITE RISK MANAGEMENT	21 Aug 2006	
TC 3-34.489	The Soldier and the Environment.	08 May 2001	

**Student Study Assignment**

NONE.

**Instructor Requirements**

Complete a risk management worksheet. It is recommended that you use the ground risk assessment tools provided by the US ARMY COMBAT READINESS/SAFETY CENTER at [https://grat.safety.army.mil/ako\\_auth/grat/default.aspx](https://grat.safety.army.mil/ako_auth/grat/default.aspx)

**Additional Support Personnel Requirements**

<u>Name</u>	<u>Student Ratio</u>	<u>Qty</u>	<u>Man Hours</u>
None			

**Equipment Required for Instruction**

<u>ID - Name</u>	<u>Student Ratio</u>	<u>Instructor Ratio</u>	<u>Spt</u>	<u>Qty</u>	<u>Exp</u>
3610-01-129-7764 - COPIER SYSTEM,XEROX	1:32	0:0	No	0	No
6730-01-C02-3126 - Projector: Proxima M2+	1:32	0:0	No	0	No
7021-01-546-1532 - COMPUTER,LAPTOP	1:32	0:0	No	0	No
7110-00-T81-1805 - BOARD, DRY ERASE	2:32	0:0	No	0	No
7520-00-053-9580 - Pen, Ball-Point, Medium, Black	1:8	0:0	No	1	No
7520-01-365-6126 - Marker Assortment, Tube Type, Dry Erase, 12 Pens, Eraser, Cleaner, Case	2:32	0:0	No	0	No
7530-01-335-2623 - PAPER,COPYING,XEROGRAP HIC PROCES	1:32	0:0	No	0	No
AVPRJ-PRJ-PTFP - SCREEN PROJECTOR	1:32	0:0	No	0	No

(Note: Asterisk before ID indicates a TADSS.)

**Materials Required**

*Instructor Materials:*

FM 3-22.9 8/12/2008 RIFLE MARKSMANSHIP, M16-/M4-SERIES WEAPONS (INCL C1) 071-025-0006

FM 3-22.68 7/21/2006 CREW SERVED WEAPONS

*Student Materials:*

Note taking material.

**Classroom,  
Training Area,  
and Range  
Requirements**

<u>ID - Name</u>	<u>Quantity</u>	<u>Student Ratio</u>	<u>Setup Mins</u>	<u>Cleanup Mins</u>
17120-M-1600-40 Classroom, Multipurpose, 1600 Square Feet, 40 Students		1:32	15	15

**Ammunition  
Requirements**

<u>DODIC - Name</u>	<u>Exp</u>	<u>Student Ratio</u>	<u>Instruct Ratio</u>	<u>Spt Qty</u>
None				

**Instructional  
Guidance**

**NOTE:** Before presenting this lesson, instructors must thoroughly prepare by studying this lesson and identified reference material.

Before presenting this lesson:

1. Have on hand identified reference material linked to the lesson plan.
2. Review presentation and develop a list of questions to use during class.
3. Review and prepare conference / discussion material presented.
4. Ensure all equipment listed for this lesson plan (LP) is present, operable, and set up for use before class.
5. Refer to the practical exercise of this lesson plan. When necessary develop additional situations to use during the practical exercise.
6. PowerPoint users: Ensure the SLI file you are using has been called up using Microsoft PowerPoint Viewer and SLI / slide 1 is showing on the screen before class.
7. Whenever noted, slides are available to assist in explanation of task steps. Use slides as needed during class or practical exercise to reinforce training. The instructor may choose to use / not use the LP SLIs as developed, modify the existing SLIs content / order or insert new material as is necessary based on audience analysis to assist in Soldier learning. Changes must be annotated as a pen / ink change on the vault file master LP, VIP LP, and instructor LP. Changes must be approved through Senior Instructor and TDCD 183rd RTI Development Team notified.
8. Whenever necessary, ask leading questions of Soldiers in order to prompt Soldier discussion.
9. Encourage Soldiers to relate their first hand experiences during the activities.
10. Facilitate this lesson using Instructor methodologies.
11. Control group activities using Instructor techniques.

**Proponent Lesson  
Plan Approvals**

<u>Name</u>	<u>Rank</u>	<u>Position</u>	<u>Date</u>
Robert Padin	Not available	Approver	08 Mar 2013

---

## SECTION II. INTRODUCTION

---

Method of Instruction: Lecture  
Instr Type(I:S Ratio/Qty): instructor (1:32/0)  
Time of Instruction: 5 mins  
Instructional Strategy: Large Group Instruction

---

### Motivator

The Army marksmanship training program uses live-fire training on ranges to sustain Soldier's shooting skills. How safe and effective these ranges are operated depends on your ability to plan, prepare, and supervise the training being conducted on the specific range. This instruction will enable you to set up and execute effective training on live fire ranges that will contribute significantly to the combat readiness of your unit.

### Terminal Learning Objective

**NOTE.** Inform the students of the following Terminal Learning Objective requirements.

At the completion of this lesson, you [the student] will:

Action:	Conduct training on a live fire range machine gun range.
Conditions:	Given an OPORD to conduct live fire training on a specified range, courses of fire and type of weapon to be fired, number of personnel to receive training, date and time of firing and resources for conduct of training.
Standards:	Plan, resource, and supervise the conduct of training on a machine gun range IAW installation regulations and FM 3-22.68.

### Safety Requirements

#### **Safety Requirements in a Classroom Setting:**

Safety is of the utmost importance in any training environment. During the training process, commanders will utilize the 5-Step Risk Management process to determine the safest and most complete method to train. Every precaution will be taken during the conduct of training.

Safety is everyone's responsibility to recognize, mitigate, and report hazardous conditions.

Instructor note: The instructor will brief the students on the unit/facility SOP for classroom contingencies i.e. what doors will be used to exit the classroom, rally points, severe weather, WBGT/Kestrel set up, etc.

#### **Safety Requirements other than Classroom Settings:**

Safety must be paramount in the complex outdoor environment. During the training process, commanders will utilize the 5-Step Risk Management process to determine the safest and most complete method to train. Every precaution will be taken while replicating realistic battlefield conditions.

Safety is everyone's responsibility to recognize, mitigate, and report hazardous conditions.

Instructor note: The instructor will brief the unit/site SOP and Risk Management Worksheet for all potential contingencies encountered during that training period/event i.e. WBGT/Kestrel set up, trail vehicles for PT/foot marches, severe weather, fire, evacuation routes, muzzle awareness, range safety briefs, required medical FLA with driver and medics with emergency

equipment, student injury procedures, and rally points etc.

**Risk Assessment Level**

**Low - All Army Instructors will conduct a Risk Assessment Worksheet (DA Form 7566, CRM Worksheet, Apr 05) prior to training and brief Soldiers on identified hazards and required controls.**

Assessment: The operations officer, in cooperation with the principal instructor, will prepare a risk assessment using the before, during, and after checklist and the risk assessment matrixes contained in Risk Management FM 5-19.

Controls: See Attached DA Form 7566.

Leader Actions: See Attached DA Form 7566.

---

**Environmental Considerations**

**NOTE:** Instructor should conduct a Risk Assessment to include Environmental Considerations IAW FM 3-34.5, Environmental Considerations {MCRP 4-11B}, and ensure students are briefed on hazards and control measures.

Users must comply with all local environmental regulations and guidance while conducting training.

**Evaluation**

This lesson will be informally evaluated by using checks on learning.

**Instructional Lead-in**

Operation of live fire ranges requires detailed planning, timely coordination, and constant monitoring and supervision of range activities. The techniques, procedures, and guidelines taught during this lesson will enhance your ability to set up and operate ranges in a safe and efficient manner. We will use FM 3-22.9 as a base reference for the conduct of range operations; it contains checklists and guidelines that will help you to set up and operate any type range in a safe and effective manner.

### SECTION III. PRESENTATION

---

TLO - LSA 1. Learning Step / Activity TLO - LSA 1. Duties and Responsibilities of key range personnel.

Method of Instruction: Conference/Discussion

Instr Type(I:S Ratio/Qty): instructor(1:32/0)

Time of Instruction: 0 hrs 15 mins

Instructional Strategy: Large Group Instruction

Media Type: Slides

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

a. The OIC will be responsible for the overall safe conduct of training, proper use of facilities, and will perform the following duties:

- (1) Ensure that the range has been scheduled with Range Control through RFMSS (normally a Battalion S3 function)
- (2) Open and close the range / facility with Range Control.
- (3) Ensure all required personnel are currently qualified to perform assigned
- (4) Ensure all documentation required on the range is present, current and signed by appropriate authority.
- (5) Must be familiar with misfire and dud procedures.

b. The RSO will be responsible for the safe conduct of training and proper use of facilities, and will perform the following duties:

- (1) Conduct safety briefings to all personnel regarding troop limits and range procedures prior to commencement of training
- (2) Responsible for controlling the firing line
- (3) Ensure a dedicated MEDEVAC vehicle is posted on the range. (4) Be familiar with misfire and dud procedures
- (5) Ensure that all personnel training on the range adhere to all safety procedures
- (6) Should not be assigned any other duties NOTE: Show Slide #4, Duties of other Range Personnel

c. Range personnel duties break down:

- (1) NCOIC: The NCOIC assists the OIC and safety officer, as required; for example, by



supervising enlisted personnel who are supporting the live-fire exercise.

(2) Ammunition Detail: This detail is composed of one or more ammunition handlers whose responsibilities are to:

- (a) Break down.
- (b) Issue.
  
- (c) Receive.
  
- (d) Account for, and safeguard live ammunition.
  
- (e) Collects expended ammunition casings and other residue.

(3) Unit Armorer: The unit armorer repairs the rifles to include replacing parts, as

(4) Assistant Instructor: One assistant instructor (AI) is assigned for each one to ten firing points.

- (a) Assistant ensures that all firers observe safety regulations and procedures.
- (b) Assists firers having problems.

(5) Medical Personnel: They provide medical support as required by regulations governing live-fire exercises.

(6) Control Tower Operators: They raise and lower the targets, time the exposures, sound the audible signal, and give the fire commands. If possible, two men should be chosen to perform these functions.

(7) Maintenance Detail: This detail should be composed of two segments:

- (a) One to conduct small-arms repair.
- (b) One to perform minor maintenance on the target-holding mechanisms.

Check on Learning:           What are your questions concerning duties and responsibilities?

Review Summary:           Having discussed duties and responsibilities, we will now turn our attention to determining resources required for range operations.

TLO - LSA 2.       Learning Step / Activity TLO - LSA 2. Determine resources required for range operation.

Method of Instruction: Conference/Discussion

Instr Type(I:S Ratio/Qty): instructor(1:32/0)

Time of Instruction: 0 hrs 15 mins

Instructional Strategy: Large Group Instruction

Media Type: Slides

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

a. Upon receipt of the mission to operate a range, verify the following information, number of personnel / units, type of weapon to be fired and course of fire, range to be used and its schedule of operations, and the date firing is to be conducted. Check to ensure ammunition has been ordered for the training.

b. Review technical manuals and field manuals on the weapon to be fired. These manuals provide technical information on the weapon and guidance on conduct of firing. Additionally, review the following publications:

(1) Installation Range Regulations

(2) Army Regulation 385-63, Policies and Procedures for Firing Ammunition for Training, Target Practice

(3) Army Regulation 210-21 Army Ranges and Training Land Program

c. Reconnoiter the range you are going to use, preferably while it is in use. Verify that the range facilities are adequate for the type of firing to be conducted. Determine type and number of training tasks that can be integrated into the range training plan (concurrent training).

d. Determine personnel requirements. Personnel requirements are dependent on the type range, number of firing points to be used, number of concurrent training stations, and installation range regulations.

NOTE: Refer Soldiers to FM 3-22.9, Appendix E page E-5.

e. Use the list to aid you in determining personnel requirements; the list is not all inclusive. Be sure to check the range regulations; there may be other personnel requirements listed for the specific range you are going to use.

f. Determine equipment requirements. Equipment requirements are also dependent on type of range, number of firing points to be used, number of concurrent training stations, and installation range regulations.

g. Use the list to aid you in determining equipment requirements; the list is not all inclusive. Be sure to check the range regulations; there may be other equipment requirements for the specific range you are going to use.

Range packet and clearance form.

h. Conduct a risk assessment. (Inform students that this item is not listed in FM 3-22.9, but is a mandatory requirement before conduct of training). Students will use FM 5-19 to conduct their risk assessments.

(1) Apply risk management process to identify potential sources of danger to soldiers that could be encountered while training on the range. Consider hazards associated with the weapon, ammunition, environment and type of training being conducted.

(2) Develop controls to eliminate risks. Some effective controls are; safety briefings, safety personnel (safety officers and safety guides), supervision, and rehearsals. Awareness and supervision are key to risk control. Ensure your plan for operating the range includes an adequate number of control personnel to supervise all activities.

i. Coordinate for resources.

(1) Make arrangements for personnel and equipment required to operate the range based on your analysis and risk assessment. Verify personnel and equipment that will be available to conduct the training (you may have to adjust your range plan based on committed resources, for example if you get less than the requested resources, you may reduce number of firing points, or number of concurrent training stations, NEVER SACRIFICE SAFETY.

(2) Effect coordination with supporting organizations to ensure they know the date, time, and place for reporting with the required support.

j. Organize for operation of the range.

(1) Write an overall lesson plan for the range. Organize a plan for firing (range organization, courses of fire, fire commands, rotation of stations).

(2) Rehearse concurrent training instructors and assistants.

(3) Brief communication personnel on unique range control procedures.

(4) Brief guards, reporting NCO, safety personnel, and any others involved in operation of the range on their specific duties. Notify all personnel of the uniform, date, place, and time to report for firing. Publish and distribute a Letter of Instruction (LOI) that cover administrative information.

(5) Collect and concentrate equipment and training aids for use on the range in one location or make final coordination to ensure it will be in place where required.

(6) Report to range control for safety briefing and sign for any equipment (if required).

Check on Learning:

**Question:** When does the planning process begin?

**Answer:** Upon receipt of the mission.

**Question:** What publications should you review?

**Answer:** TM's, FM's pertinent to the weapon, AR 210-21, AR 385- 63, and Local range regulations.

**Question:** What are two reasons for conducting a risk assessment?

**Answer:** (1) Identify potential sources of danger. (2) Develop controls to eliminate risks.

Review Summary:

We have covered the resources required for the conduct of range operations, we will now discuss setting up the range.

TLO - LSA 3. Learning Step / Activity TLO - LSA 3. Range set up.

Method of Instruction: Conference/Discussion

Instr Type(I:S Ratio/Qty): instructor(1:32/0)

Time of Instruction: 0 hrs 10 mins

Instructional Strategy: Large Group Instruction

Media Type: Slides

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

- a. Request to occupy the range IAW your installation's range regulations. Establish communications.
- b. Post guides to ensure designated areas are utilized as intended (ammunition point, medical station, concurrent training stations, and water point). If hazardous areas exist within the training area, post additional guides to keep personnel from entering those areas.
- c. Inspect range facilities for operational condition, report any discrepancies to range control.
- d. Check ammunition to ensure it is the correct type, quantity, and meets the standards for serviceability. Remember you will have to account for it.
- e. Ensure range support personnel are in the correct uniform and all equipment is in place and is operational.
- f. Raise the range flag.
- g. Receive the firing personnel/unit. Conduct a head count to verify number of

personnel. Remember accountability is your responsibility at all times.

h. Conduct a safety and operational check on weapons.

i. Organize personnel in firing orders and in groups for concurrent training. Send firing orders through a weapon safety concurrent training station prior to firing on the range. This enhances safety.

j. Conduct a safety briefing (include all support personnel). You must ensure all personnel on the range are familiar with the safety aspects of the range and the weapon being fired.

k. Additionally, you must ensure all personnel on the range are aware of environmental considerations and policies that govern the environment in which training is being conducted (this include the disposal of waste and weapon cleaning materials).

Check on Learning:

**Question:** What are the purposes for posting guides on the range?

**Answer:** Ensure designated areas are used as intended. Keep personnel from entering unauthorized or danger areas.

**Question:** What should ammunition be inspected for?

**Answer:** Type. Quantity. Serviceability.

**Question:** What is the purpose of a headcount?

**Answer:** Personnel accountability.

**Question:** Who receives the safety briefing?

**Answer:** All personnel on the range.

Review Summary:

We have discussed range set up, we will now discuss supervision of range activities.

TLO - LSA 4. Learning Step / Activity TLO - LSA 4. Supervise range activities.

Method of Instruction: Conference/Discussion

Instr Type(I:S Ratio/Qty): instructor(1:32/0)

Time of Instruction: 0 hrs 10 mins

Instructional Strategy: Large Group Instruction

Media Type: Slides

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

a. Ensure communications to range control are maintained.

b. Monitor commands from the tower to ensure they are clear and are being properly

executed by the firers.

- c. Ensure personnel and ammunition accountability are maintained.
- d. Check to ensure personnel are in the proper uniform and are not violating any safety rules.
- e. Monitor firing and concurrent training to ensure it is being conducted properly and that corrections are being made when necessary.
- f. Perform the following basic procedures to close ranges (perform any other tasks required by your installation's SOP).
- g. Direct safety Officers and NCO's to clear all weapons and inspect personnel for brass or ammunition (check installation range regulations for specific instructions or procedures).
- h. Have the range policed and facilities cleaned. Perform any other maintenance tasks required by local SOP
- i. Remove all equipment that you brought to the range to support operation of the range.
- j. Account for and have ammunition and brass turned in to ammunition supply point.
- k. Request a range inspector from range control when the range is ready to be cleared.
- l. Submit an after action report if required.
- m. Submit any noted safety hazards to proper authorities as required by local SOP.

Check on Learning:           What are your questions concerning supervision of range activities?

Review Summary:            During the last hour we have discussed the actions you as a leader must take to ensure the smooth operations of ranges to best facilitate Unit training.

TLO - LSA 5.     Learning Step / Activity TLO - LSA 5. Plan range operations.

Method of Instruction: Practical Exercise (Hands-On)

Instr Type(I:S Ratio/Qty): instructor(1:8/0)

Time of Instruction: 1 hr 0 min

Instructional Strategy: Small Group Instruction

Media Type: Handout

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

Break Soldiers into eight man groups.

Issue groups operations orders to conduct a live fire range.

Give the groups 30 minutes to develop their plans.

Have each group brief their plan to an Instructor.

Instructors will facilitate the planning and critique the plan.

Check on Learning:            Each group will brief their solution.

Review Summary:            During the last one hour we have planned for range operations, the more thorough you plan the better the Units training will be.

## SECTION IV. SUMMARY

---

Method of Instruction:	Lecture
Instr Type(I:S Ratio/Qty):	instructor(1:32/0)
Time of Instruction:	5 mins
Instructional Strategy:	Large Group Instruction

---

### **Check on Learning**

Conduct a check on learning ask students questions and correct misunderstandings.

### **Review/ Summary**

Conduct a review and summarize the TLO.



## SECTION V. STUDENT EVALUATION

---

### **Testing Requirements**

This lesson will be informally evaluated by using checks on learning.

### **Feedback Requirements**

Feedback is essential to effective learning. Schedule and provide feedback on the assessment and any information to help answer Soldiers' questions about the training exercise.

**Appendix A - Viewgraph Masters**

**Range Operations  
071-SAWE15 / Version 1.0**

<b>Sequence</b>	<b>Media Name</b>	<b>Media Type</b>
None		

## Appendix B - Test(s) and Test Solution(s)

**Appendix C - Practical Exercises and Solutions**

**PRACTICAL EXERCISE(S)/SOLUTION(S) FOR LESSON 071-SAWE15 Version 1.0**

---

**Appendix D - Student Handouts**

**Range Operations  
071-SAWE15 / Version 1.0**

<b>Sequence</b>	<b>Media Name</b>	<b>Media Type</b>
None		

## Appendix E - TRAINER'S LESSON OUTLINE

### Range Operations

**071-SAWE15 / Version 1.0**

**Effective Date: 08 March 2013**

#### 1. The importance of this lesson: (Why)

Supervise training on a live fire machine gun range.

#### 2. What we want our Soldiers to Achieve: (Outcomes/Standard)

Plan, resource and conduct / supervise training on a machine gun range IAW installation regulations and FM 3-22.68.

#### 3. Tasks to be taught

<u>Task Number</u>	<u>Task Title</u>	<u>Task Type</u>
171-121-4022	Plan Live Fire Range Operations	Individual TAUGHT
171-121-4023	Conduct Live Fire Range Operations	Individual TAUGHT

---

#### Additional Non-Standard Tasks

None

#### 4. References:

<u>Reference Number</u>	<u>Reference Title</u>	<u>Date</u>
FM 3-22.68	Crew-Served Machine Guns, 5.56-MM and 7.62-MM	21 Jul 2006
FM 3-22.9	RIFLE MARKSMANSHIP M16-/M4-SERIES WEAPONS	12 Aug 2008
FM 5-19	COMPOSITE RISK MANAGEMENT	21 Aug 2006
TC 3-34.489	The Soldier and the Environment.	08 May 2001

---

#### Additional Non-Standard References

Unit Markanmanship SOPs.

Post Range Regulations.

## 5. Resources

*TIME: Time of Instruction (Time not specified)*

*LAND: Classroom, Training Area, and Range Requirements*

<u>Id</u>	<u>Name</u>
17120-M-1600-40	Classroom, Multipurpose, 1600 Square Feet, 40 Students

---

*AMMO: Ammunition Requirements*

<u>DODIC</u>	<u>Name</u>
None	

---

*MISC: Materiel Items and TADSS Requirements*

<u>Id</u>	<u>Name</u>
3610-01-129-7764	COPIER SYSTEM,XEROX
6730-01-C02-3126	Projector: Proxima M2+
7021-01-546-1532	COMPUTER,LAPTOP
7110-00-T81-1805	BOARD, DRY ERASE
7520-00-053-9580	Pen, Ball-Point, Medium, Black
7520-01-365-6126	Marker Assortment, Tube Type, Dry Erase, 12 Pens, Eraser, Cleaner, Case
7530-01-335-2623	PAPER,COPYING,XEROGRAPHIC PROCES
AVPRJ-PRJ-PTFP	SCREEN PROJECTOR

(Note: Asterisk before ID indicates a TADSS.)

---

## Additional Non-Standard Resources

None

## 6. A possible technique to achieve the outcome:

None

## 7. Conduct AAR with Soldier and Cadre.

AAR's are essential to ensure the quality of the instruction and the efficiency of the course. Schedule AAR's with Instructors to solicit feedback on the techniques and procedures in use. Schedule AAR's with the Student's to solicit feedback on Instructional techniques, information being presented, and efficiency of the course.

**NOTE:** Before presenting this lesson, Instructors must be thoroughly prepared by studying the appropriate lesson plan and identified reference material.