

**Qualify with the Close Combat Optic (M68).
071-SAWE12 / Version 1.0
Effective Date 08 Mar 2013**

SECTION I. ADMINISTRATIVE DATA

All Courses Including This Lesson

<u>Course Number</u>	<u>Version</u>	<u>Course Title</u>
010-F38 (MTT-A/G)	1.0	Small Arms

Task(s) Taught(*) or Supported

<u>Task Number</u>	<u>Task Title</u>
<u>Individual</u>	
071-705-0003 (*)	Zero an M68 Sight (Close Combat Optic) to a M16-series rifle / M4-series Carbine
071-705-0001 (*)	Maintain an M68 Sight (Close Combat Optic)
071-705-0002 (*)	Operate an M68 Sight (Close Combat Optic)
071-COM-0030	Engage Targets with an M16-Series Rifle/M4-Series Carbine
<u>Collective</u>	
07-3-9013	Conduct Action on Contact
07-3-1333	Knock Out a Bunker
07-3-1072	Conduct a Disengagement (Section-Platoon)

Reinforced Task(s)

<u>Task Number</u>	<u>Task Title</u>
071-100-0003	(Refer to task 071-100-0030) Engage Targets with an M4 or M4A1 Carbine
071-100-0005	(Refer to task 071-100-0029) Perform a Function Check on an M4 or M4A1 Carbine
071-100-0004	(Refer to task 071-100-0032) Maintain an M4 or M4A1 Carbine
071-100-0006	(Refer to task 071-100-0028) Load an M4 or M4A1 Carbine
071-100-0007	(Refer to task 071-100-0027) Unload an M4 or M4A1 Carbine
071-310-0001	(Refer to task 071-100-0031) Zero an M16A4 Rifle

Knowledge

<u>Knowledge Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
071-WPN-0059	Identity and Location of Parts of Infantry Weapons	No	Yes
071-WPN-0063	Weapons Functions	No	Yes
071-WPN-0067	Firing Positions	No	Yes
071-WPN-0069	Zeroing Techniques	Yes	No

Skill	<u>Skill Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
	071-WPN-0005	Ability to Load and Unload Infantry Weapons	No	Yes
	071-WPN-0008	Correct Weapons Malfunctions	No	Yes
	071-WPN-0026	Assume Firing Positions	No	Yes
	071-WPN-0006	Clear Infantry Weapons	No	Yes
	071-WPN-0022	Detect Targets	No	Yes
	071-WPN-0007	Detect Weapon Malfunctions	No	Yes
	071-WPN-0033	Load and Unload Infantry Weapons	No	Yes
	071-WPN-0009	Zero Infantry Weapons	Yes	No
	071-WPN-0023	Engage Targets with Infantry Weapons	Yes	No

**Administrative/
Academic
Hours**

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

<u>Academic</u>	<u>Resident Hours / Methods</u>		
Yes	0 hrs	40 mins	Conference/Demonstration
Yes	5 hrs	0 mins	Practical Exercise (Hands-On)
Yes	0 hrs	15 mins	Conference/Discussion
Yes	0 hrs	0 mins	Test Review
Yes	0 hrs	0 mins	Test
<hr/>			
Total Hours:	6 hrs	5 mins	

**Test Lesson
Number**

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

**Prerequisite
Lesson(s)**

<u>Lesson Number</u>	<u>Lesson Title</u>
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 DOTD, MCoE, FT. Benning, GA 31905 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 3-22.9	RIFLE MARKSMANSHIP M16-/M4-SERIES WEAPONS	12 Aug 2008	
TM 9-1240-413-13&P	OPERATOR AND FIELD MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR M68 SIGHT, REFLEX, W/QUICK RELEASE MOUNT AND SIGHT MOUNT (COMP M2: NSN 1240-01-411-1265) (COMP M4: NSN 1240-01-540-3690) {AF TO 11W3-5-5-121}	19 Mar 2008	

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

Additional Support Personnel Requirements

<u>Name</u>	<u>Student Ratio</u>	<u>Qty</u>	<u>Man Hours</u>
Range Safety Officer	1:32		
OIC	1:32		
Combat Lifesaver	1:16		
Driver, LMTV	1:12		

**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>
1005-00-921-5004 - Magazine, Cartridge	2:1	0:0	No	0	No
1005-01-231-0973 - CARBINE,5.56 MILLIMETER	1:1	0:0	No	0	No
2330-01-108-7367 - Trailer Water: M149A2	1:32	0:0	No	0	No
4110-01-485-3548 - CHEST,ICE STORAGE	2:32	0:0	No	0	No
4470-01-359-2799 - COMPUTER, NOTEBOOK/LAPTOP	1:40	0:0	Yes	0	
4470-01-359-2799 - COMPUTER, NOTEBOOK/LAPTOP	1:32	0:0	No	0	No
5820-01-423-4650 - Television Set	1:20	0:0	Yes	0	
5820-01-451-8252 - Radio Set: AN/PRC-119F(C)	0:0	0:0	No	2	No
5836-01-455-1939 - Projector, Multimedia Infocus	1:32	0:0	No	0	No
5836-01-501-2989 - Recorder, Video	1:40	0:0	Yes	0	
5836-01-505-7697 - Recorder, Video	1:40	0:0	Yes	0	
5855-01-464-3150 - Sight Thermal: AN/PAS-13B(V)1	1:40	1:1	No	0	
5860-01-471-2091 - BORELIGHT SYSTEM,LASER	4:32	0:0	No	0	No
5965-00-050-8167 - MICROPHONE,DYNAMIC	1:40	0:0	Yes	0	
6135-00-985-7845 - Battery, Nonrechargeable, AA	2:8	0:0	No	0	Yes
6135-00-985-7845 - Battery, Nonrechargeable, AA	1:1	1:1	No	0	
6515-00-137-6345 - Plug Ear Universal Size 400S	1:1	1:1	No	0	No
6515-01-472-1863 - INTRAVENOUS INJECTION SET	2:16	0:0	No	0	No
6530-01-290-9964 - Litter, Folding, Rigid Pole	1:32	0:0	No	0	No
6545-01-505-1170 - Medical Equipment Set, Combat Lifesaver	1:16	0:0	No	0	No
6685-01-590-1047 - Monitor, Heat Stress: Questemp 44	1:32	0:0	No	0	No
6730-00-707-6585 - SCREEN, PROJECTION (LIN S59222)	1:32	0:0	No	0	No
6730-00-933-4871 - Screen, Projection	1:40	0:0	Yes	0	
6730-01-063-3477 - PROJECTOR,OVERHEAD	1:40	0:0	Yes	0	
6730-01-455-1939 - Projector, Multimedia	1:40	0:0	Yes	0	
6760-00-985-6749 - Tripod, Photographic	1:32	0:0	No	0	No

7210-00-081-1417 - Sheet, Bed Cotton White	12:16	0:0	No	0	No
7520-00-053-9580 - Pen, Ball-Point, Medium, Black	1:8	0:0	No	1	No
7520-00-079-2406 - EASEL,DISPLAY AND TRAINING	1:40	0:0	Yes	0	
7520-01-424-4867 - EASEL,DISPLAY AND TRAINING	1:40	0:0	Yes	0	
8960-01-430-4378 - ICE	2:32	0:0	No	0	Yes
9150-01-079-6124 - CLEANER,LUBRICANT AND PRESERVATI	1:8	0:0	No	0	No
Z40430 - TRUCK, CARGO, 4X4, LMTV	1:12	0:0	No	0	No

(Note: Asterisk before ID indicates a TADSS.)

Materials Required

Instructor Materials:

FM 3-22.9 RIFLE MARKSMANSHIP, M16-/M4-SERIES WEAPONS (INCL C1)

TM 9-1005-319-10 Operators Manual M4 Carbine

TM 9-1240-413-13&P Operators Manual M68

Student Materials:

Note taking material.

Field Uniform.

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>
17805 Range, Record Fire, Automated (ARF)		1:32	15	15
17120 General Instruction Building		1:32	15	15
17801 Range, Firing Zero/ Basic 10m-25m		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>
A059 - Cartridge, 5.56 Millimeter	Y	103:1		180

**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: Conference/Demonstration
Instr Type(I:S Ratio/Qty): instructor (4:32/0)
Time of Instruction: 5 mins
Instructional Strategy: Large Group Instruction

Motivator

Your survival on the battlefield depends on your ability to successfully engage enemy targets. By applying the four fundamentals of rifle marksmanship and the training you are about to receive you will be able to engage and destroy enemy targets more effectively.

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:	Qualify With the M68 Close Combat Optic (CCO).
Conditions:	During daylight hours on a record fire range, given an M16A1/A2, M4 Carbine, Modular Weapon System and a M68, 40 timed target exposures at ranges from 50-300 meters and 40 rounds of 5.56mm ball ammunition. 20 targets will be engaged from the foxhole supported firing position. 20 targets will be engaged from the prone unsupported firing position.
Standards:	Obtain 23 target hits out of 40 timed targets.

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

Moderate - All Army Instructors will conduct a Risk Assessment Worksheet (DA Form

Level

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

Soldiers will be evaluated by task performance measures.

Instructional Lead-in

Up to this point you have learned how to engage targets with your iron sights and boresight a weapon with the borelight. Now you will learn how to decrease your target acquisition time and increase your target hits by using the M68 Close Combat Optic that is also known as the CCO.

SECTION III. PRESENTATION

NOTE: Inform the students of the Enabling Learning Objective requirements.

A. ENABLING LEARNING OBJECTIVE

ACTION:	Identify Characteristics of the M68 Close Combat Optic.
CONDITIONS:	Given an M4 carbine and M68 with battery.
STANDARDS:	Identify all major CCO components in accordance with TM 9-1240-413-12 & P.

ELO A - LSA 1. Learning Step / Activity ELO A - LSA 1. Identify Characteristics of the M68 Close Combat Optic.

Method of Instruction: Conference/Demonstration

Instr Type(I:S Ratio/Qty): instructor(4:32/0)

Time of Instruction: 0 hrs 15 mins

Instructional Strategy: Large Group Instruction

Media Type: Actual Equipment

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

In order to effectively engage targets with the CCO you must first know the CCO and its characteristics. So let's take a look at the CCO.

Equipment Data:

Description: Electrical red dot sight for M16A1/A2, M4 & MWS.

1. Optics: 100% parallax free beyond 50m, anti reflective coated lens system.
2. Length (Sight): 4.9 in (125mm).
3. Length (w/o Mount w/ Mount): 5.1 in/ 10.24 in (260mm).
4. Weight (Sight): 7.1-oz (200g).
5. Weight (Quick Release): 3.5-oz (100g).
6. Weight (Mount): 4.55-oz (129g).
7. Battery Life: Comp M 3-20 days, Comp M2 10,000-100,000 hrs depending on setting.

NOTE: It is important to keep the M68 batteries separated while being stored. If the batteries are touching, they will discharge themselves and have a reduced battery life.

Major Components of the M68 CCO are:

1. Elevation Adjustment Screw (Adjusts the strike of the round up or down).
2. Elevation Adjustment Cap (Protects the Elevation Adjustment Screw from debris and accidental changing . Has an O-ring that water proofs the M68) .
3. Battery (DL 1/3N) (Power source).
4. Front Lens Cover (Protects the front lens from damage when the M68 is not in use).
5. Windage Adjustment Screw (Adjusts the strike of the round left or right).
6. Windage Adjustment Cap (Protects the Windage Adjustment Screw from debris and accidental changing . Has an O-ring that water proofs the M68).
7. Rotary Switch (Turns M68 on and adjusts the intensity of the red dot from dim to brightest setting).
8. Rear Lens Cover (Protects the rear lens from damage when the M68 is not in use).
9. Torque Limiting Knob (Tightens the M68 mount to the Picatinny rail using 3 foot pounds of torque).
10. M16A1/A2 Mount.
11. Battery Cap (retains battery in place. Has an O-ring that water proofs the M68)(See next slide for battery orientation).
12. Electric Red Dot (Aiming reference point).
13. M16A1/A2 Adapter Bracket "Gooseneck" (Interfaces the M68 with the M16A1 or M16A2 rifle).
14. Anti Reflective Device (ARD) (See next slide).

When installing the DL 1/3N battery, the positive end faces out (writing faces out).

The ARD reduces any glint that may be caused by the sun reflecting off the front lens which may be seen by the enemy. There are threads on the ARD and the front of M68 that allows easy installation of the ARD.

Installation procedures:

1. Align the threads properly to avoid cross threading and turn clockwise.
2. Reverse the procedure to remove it from the M68.

NOTE: Hand tighten the ARD only.

Dot Diameter: The red dot of the M68 CCO is 4 Minutes of Angle (MOA). This means that the dot covers 4 inches of the target at 100 yards. As the distance to the target increases so does the area of the target the red dot covers. Below is data on how much the red dot masks the target at different ranges.

1 in at 25 yd, 2.54cm at 25m.

4 in at 100 yd, 10.16cm at 100m.

12 in at 300 yd, 30.48cm at 300m (13.08in @300m).

Clearly you can see the importance of knowing how much of your target is being masked by the red dot. Stop and think how big a 13.08 in circle is. An E –type Silhouette is 19.5 inches wide. This leaves only about 3.21 inches on both sides of the target if the red dot is perfectly centered on the target. Notice in this visual that the red dot is roughly 3/4 the size of the 300 meter E-type silhouette.

The M68 is a reflex (non-telescopic) sight. It uses a red aiming reference (collimated dot) and is designed for the “two eyes open” method of sighting. The dot follows the horizontal and vertical movement of the gunner’s eye while remaining fixed on the target beyond 50m. No centering or focusing is required. When engaging targets less than 50m away, you must center the red dot in the sight and align the red dot center mass on the target.

If the operator sees the red dot on the target and uses good marksmanship techniques, the bullet will strike the target.

The red dot does not have to be centered in the M68 for the weapon to be aligned with the target.(Beyond 50 meters)

All you have to do is place the red dot on the target for a hit on the target.

Sight Adjustments:

1. Elevation Adjustment Screw (1 click @ 25m = 4mm) (Clockwise = down) (Counter-Clockwise = up).

2. Windage Adjustment Screw (1 click @ 25m = 4mm) (Clockwise = left) (Counter-Clockwise = right).

NOTE: The Elevation and Windage adjusters must be perfectly vertical and horizontal in relation to the mount. Failure to do so will complicate making the correct adjustments to the M68.

Sight Adjustments:

Elevation Adjustment Screw (1 click @ 25m = 4mm) (Clockwise = down) (Counter-Clockwise = up).

Windage Adjustment Screw (1 click @ 25m = 4mm) (Clockwise = left) (Counter-Clockwise = right).

1. Adjust 2 clicks to move the strike of the round one box on the 25 meter zero target.

2. Adjust 4 clicks to move the strike of the round one box on the 10 meter boresight target.

USE THE M16A2 ZEROING TARGET ONLY. The squares of the M16A2 25 meter Zero Target are 9.6 mm BY 9.6 mm which is closer in size to a 1 cm square than the M4 25 meter Zero Target that is 13 mm BY 13 mm. This makes it easier to determine the number of click adjustments needed to change the strike of the round.

Sight Picture:

1. Adjust the intensity of the dot prior to firing. The intensity of the dot should be enough as to be seen without difficulty but not so bright as to mask the center of the silhouette of the 25 meter zero target.

Rotary switch: There are 10 positions on the rotary switch, 1=Off, 2-3=Night, 4-10=Desired brightness.

2. Ensure the red dot is centered in the M68, center mass of target, and then fire.

Note: The M68 CCO is a passive sight that projects no laser onto the target, the collimated red dot is completely inside the sight.

Warning: If the rotary switch is set higher than position 3 it can be seen at night.

At this time have students:

1. Inventory the M68 and accessories that they have with them.

2. Put the batteries into the M68.

3. Manipulate the rotary switch to the different intensity levels.

Ensure that:

1. The soldiers have the required accessories (If applicable).

2. The soldiers put the batteries into the M68 properly and the battery is fresh.

3. The red dot is visible.

4. The elevation and windage adjusters are vertical and horizontal.

Check on Learning: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

Review Summary: Conduct a Summary Review.

CHECK ON LEARNING (ELO A): Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

REVIEW SUMMARY(ELO A): Conduct a Summary Review.

B. ENABLING LEARNING OBJECTIVE

ACTION:	Perform PMCS on the M68 CCO.
CONDITIONS:	Given a M68, DA 2404, Pencil, lens paper, 3/32 inch allen wrench, battery and TM 9-1240-413-12 & P.
STANDARDS:	Perform PMCS in accordance with TM 9-1240-413-12 & P.

ELO B - LSA 1. Learning Step / Activity ELO B - LSA 1. Perform PMCS on the M68.

Method of Instruction: Conference/Demonstration
 Instr Type(I:S Ratio/Qty): instructor(4:32/0)
 Time of Instruction: 0 hrs 10 mins
 Instructional Strategy: Large Group Instruction
 Media Type: Actual Equipment
 Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

How to perform maintenance on the M-68.

NOTE: Always use the appropriate TM (TM 9-1240-413-12&P) when performing PMCS

1. Inspect sight for:
 - a. Dirt.
 - b. Damage – Broken casing or broken lenses.
 - c. Moisture – look through lenses for condensation or wetness.
 - d. Obstruction or target image – ensure nothing, including lens caps and the ARD blocks field of view.
2. Inspect battery cap and adjustment caps to ensure the:
 - a. Cap is present.
 - b. Threads are clear.
 - c. O-rings are present to stop moisture.
 - d. Battery is present and fresh.
3. Ensure red dot is visible and adjustable in intensity.
4. Ensure mounting bracket is not damaged or missing.
5. Make sure lens covers are not ripped, dry rotted, or missing.
6. Ensure ARD is not dented or obstructs the field of view.

Check on Learning: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

Review Summary: Conduct a Summary Review.

CHECK ON LEARNING (ELO B): Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

REVIEW SUMMARY(ELO B): Conduct a Summary Review.

C. ENABLING LEARNING OBJECTIVE

ACTION:	Borelight the M68 Close Combat Optic.
CONDITIONS:	Given a M68 CCO with battery, weapon, borelight with battery, stable platform, M68 CCO on selected weapon.
STANDARDS:	Borelight the M68 to the M4 carbine IAW FM 3-22.9.

ELO C - LSA 1. Learning Step / Activity ELO C - LSA 1. Put the M68 Close Combat Optic into Operation.

Method of Instruction: Conference/Demonstration
 Instr Type(I:S Ratio/Qty): instructor(4:32/0)
 Time of Instruction: 0 hrs 10 mins
 Instructional Strategy: Large Group Instruction
 Media Type: Actual Equipment
 Security Classification: This course/lesson will present information that has a

Security Classification of: U - Unclassified.

Mount/Dismount sight on the weapon:

1. Remove the M4 carrying handle.
2. Mount sight on M4 by placing the sight on top of the rail.
3. Tighten the torque limiting knob until you hear two audible clicks.
4. Open the sight covers.
5. Turn on the sight.

Check on Learning: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

Review Summary: Conduct a Summary Review.

ELO C - LSA 2. Learning Step / Activity ELO C - LSA 2. Boresight the M4 carbine with M68.

Method of Instruction: Practical Exercise (Hands-On)

Instr Type(I:S Ratio/Qty): instructor(4:32/0)

Time of Instruction: 1 hr 0 min

Instructional Strategy: Large Group Instruction

Media Type: Actual Equipment

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

NOTE: Completing this procedure requires a minimum of two people to be fast and efficient.

This procedure is used to boresight the M68 CCO to the weapon for 300 meters.

- 1. Select the specific 10-meter boresight target for the weapon and M68 configuration.**
- 2. Position the boresight target 10 meters away.**
- 3. Have the soldier assume a good prone supported firing position. Ensure borelight is turned to the LOW position.**
- 4. Have the soldier aim the M68 CCO at the circle crosshair on the 10-meter boresight target.**
- 5. Adjust windage and elevation on the M68 CCO until the bore light laser dot is on the small black circle labeled "Borelight Laser".**

6. Turn the borelight off after boresighting is confirmed.

Check on Learning: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

Review Summary: Conduct a Summary Review.

CHECK ON LEARNING (ELO C): Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

REVIEW SUMMARY(ELO C): Conduct a Summary Review.

D. ENABLING LEARNING OBJECTIVE

ACTION:	Zero the M68 Close Combat Optic.
CONDITIONS:	Given an M4 Carbine rifle, M68 CCO, and 18 rounds of 5.56mm ammunition.
STANDARDS:	Zero the M68 CCO to the your weapon with 18 rounds or less.

ELO D - LSA 1. Learning Step / Activity ELO D - LSA 1. Zero the M98 on a M4 carbine.

Method of Instruction: Practical Exercise (Hands-On)

Instr Type(I:S Ratio/Qty): instructor(4:32/0)

Time of Instruction: 2 hrs 0 min

Instructional Strategy: Large Group Instruction

Media Type: Actual Equipment

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

1. Fire three rounds.
2. Triangulate the shot group.
3. Make adjustments to the sight.
4. Repeat the process untill zeroed.

Check on Learning: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

Review Summary: Conduct a Summary Review.

CHECK ON LEARNING (ELO D): Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

REVIEW SUMMARY(ELO D): Conduct a Summary Review.

E. ENABLING LEARNING OBJECTIVE

ACTION:	Qualify with the M68 Close Combat Optic.
CONDITIONS:	Given a record fire range, M4 carbine, M68 CCO, 40 timed target exposures at ranges from 50 – 300 meters, two loaded with 20 rounds each.
STANDARDS:	Qualify by obtaining a minimum of 23 target hits out of 40 timed target exposures.

ELO E - LSA 1. Learning Step / Activity ELO E - LSA 1. Qualify with the M68 Close Combat Optic.

Method of Instruction: Practical Exercise (Hands-On)

Instr Type(I:S Ratio/Qty): instructor(4:32/0)

Time of Instruction: 2 hrs 0 min

Instructional Strategy: Large Group Instruction

Media Type: Actual Equipment

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

Conduct of firing:

Each soldier will be issued two 20 round magazines of 5.56mm ball ammunition. Each firing table consists of 20 target exposures and the soldier is issued one magazine of 20 rounds for each table using the foxhole supported and prone unsupported firing positions.

Check on Learning: Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

Review Summary: Conduct a Summary Review.

CHECK ON LEARNING (ELO E): Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

REVIEW SUMMARY(ELO E): Conduct a Summary Review.

SECTION IV. SUMMARY

Method of Instruction:	Conference/Discussion
Instr Type(I:S Ratio/Qty):	instructor(4:32/0)
Time of Instruction:	15 mins
Instructional Strategy:	Large Group Instruction

Check on Learning

Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

Review/ Summary

Conduct a review and summarize the TLO.

SECTION V. STUDENT EVALUATION

Testing Requirements

Soldiers will be evaluated by task performance measures.

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

**Qualify with the Close Combat Optic (M68).
071-SAWE12 / Version 1.0**

Sequence	Media Name	Media Type
None		

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

Appendix C - Practical Exercises and Solutions

PRACTICAL EXERCISE(S)/SOLUTION(S) FOR LESSON 071-SAWE12 Version 1.0

Appendix D - Student Handouts

**Qualify with the Close Combat Optic (M68).
071-SAW12 / Version 1.0**

Sequence	Media Name	Media Type
None		

Appendix E - TRAINER'S LESSON OUTLINE

Qualify with the Close Combat Optic (M68).

071-SAW12 / Version 1.0

Effective Date: 08 March 2013

1. The importance of this lesson: (Why)

Qualify With the M68 Close Combat Optic (CCO).

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

Obtain 23 target hits out of 40 timed targets.

3. Tasks to be taught

<u>Task Number</u>	<u>Task Title</u>	<u>Task Type</u>
071-100-0003	(Refer to task 071-100-0030) Engage Targets with an M4 or M4A1 Carbine	Individual REINFORCED
071-100-0005	(Refer to task 071-100-0029) Perform a Function Check on an M4 or M4A1 Carbine	Individual REINFORCED
071-100-0004	(Refer to task 071-100-0032) Maintain an M4 or M4A1 Carbine	Individual REINFORCED
071-100-0006	(Refer to task 071-100-0028) Load an M4 or M4A1 Carbine	Individual REINFORCED
071-100-0007	(Refer to task 071-100-0027) Unload an M4 or M4A1 Carbine	Individual REINFORCED
071-310-0001	(Refer to task 071-100-0031) Zero an M16A4 Rifle	Individual REINFORCED
071-705-0003	Zero an M68 Sight (Close Combat Optic) to a M16-series rifle / M4-series Carbine	Individual TAUGHT
071-705-0001	Maintain an M68 Sight (Close Combat Optic)	Individual TAUGHT
071-705-0002	Operate an M68 Sight (Close Combat Optic)	Individual TAUGHT
071-COM-0030	Engage Targets with an M16-Series Rifle/M4-Series Carbine	Individual SUPPORTED
07-3-9013	Conduct Action on Contact	Collective SUPPORTED
07-3-1333	Knock Out a Bunker	Collective SUPPORTED
07-3-1072	Conduct a Disengagement (Section-Platoon)	Collective SUPPORTED

Additional Non-Standard Tasks

None

4. References:

<u>Reference Number</u>	<u>Reference Title</u>	<u>Date</u>
FM 3-22.9	RIFLE MARKSMANSHIP M16-/M4-SERIES WEAPONS	12 Aug 2008
TM 9-1240-413-13&P	OPERATOR AND FIELD MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR M68 SIGHT, REFLEX, W/QUICK RELEASE MOUNT AND SIGHT MOUNT (COMP M2: NSN 1240-01-411-1265) (COMP M4: NSN 1240-01-540-3690) {AF TO 11W3-5-5-121}	19 Mar 2008

Additional Non-Standard References

Unit Markanmanship SOPs.

5. Resources

TIME: Time of Instruction (Time not specified)

LAND: Classroom, Training Area, and Range Requirements

<u>Id</u>	<u>Name</u>
17805	Range, Record Fire, Automated (ARF)
17120	General Instruction Building
17801	Range, Firing Zero/ Basic 10m-25m

AMMO: Ammunition Requirements

<u>DODIC</u>	<u>Name</u>
A059	Cartridge, 5.56 Millimeter

MISC: Materiel Items and TADSS Requirements

<u>Id</u>	<u>Name</u>
1005-00-921-5004	Magazine, Cartridge
1005-01-231-0973	CARBINE,5.56 MILLIMETER
2330-01-108-7367	Trailer Water: M149A2
4110-01-485-3548	CHEST,ICE STORAGE
4470-01-359-2799	COMPUTER, NOTEBOOK/LAPTOP
4470-01-359-2799	COMPUTER, NOTEBOOK/LAPTOP
5820-01-423-4650	Television Set
5820-01-451-8252	Radio Set: AN/PRC-119F(C)
5836-01-455-1939	Projector, Multimedia Infocus
5836-01-501-2989	Recorder, Video
5836-01-505-7697	Recorder, Video
5855-01-464-3150	Sight Thermal: AN/PAS-13B(V)1
5860-01-471-2091	BORELIGHT SYSTEM,LASER
5965-00-050-8167	MICROPHONE,DYNAMIC
6135-00-985-7845	Battery, Nonrechargeable, AA
6135-00-985-7845	Battery, Nonrechargeable, AA
6515-00-137-6345	Plug Ear Universal Size 400S
6515-01-472-1863	INTRAVENOUS INJECTION SET
6530-01-290-9964	Litter, Folding, Rigid Pole
6545-01-505-1170	Medical Equipment Set, Combat Lifesaver
6685-01-590-1047	Monitor, Heat Stress: Questemp 44
6730-00-707-6585	SCREEN, PROJECTION (LIN S59222)
6730-00-933-4871	Screen, Projection
6730-01-063-3477	PROJECTOR,OVERHEAD
6730-01-455-1939	Projector, Multimedia
6760-00-985-6749	Tripod, Photographic
7210-00-081-1417	Sheet, Bed Cotton White
7520-00-053-9580	Pen, Ball-Point, Medium, Black
7520-00-079-2406	EASEL,DISPLAY AND TRAINING
7520-01-424-4867	EASEL,DISPLAY AND TRAINING
8960-01-430-4378	ICE
9150-01-079-6124	CLEANER,LUBRICANT AND PRESERVATI
Z40430	TRUCK, CARGO, 4X4, LMTV

(Note: Asterisk before ID indicates a TADSS.)

Additional Non-Standard Resources

None

6. A possible technique to achieve the outcome:

Maximise hands on training time to allow the students to achieve task mastery.
Grade the Soldiers using the task performance measures.
Retrain Soldiers who do not receive a GO.
Re-test Soldiers until they achieve a GO.

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.