

Operate the M145 Machine Gun Optic
071-SAWE06 / 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>	
	None			
Task(s) Taught(*) or Supported	<u>Task Number</u>	<u>Task Title</u>		
	<u>Individual</u>			
	071-703-0001 (*)	Operate M145 Telescope, Straight		
	071-703-0002 (*)	Maintain M145 Telescope, Straight		
	071-COM-4030	Zero an M249 Machine Gun		
	071-COM-4024	Engage Targets with an M249 Machine Gun		
	071-025-0006	Zero an M240B Machine Gun		
071-025-0007	Engage Targets with an M240B Machine Gun			
Reinforced Task(s)	<u>Task Number</u>	<u>Task Title</u>		
	None			
Knowledge	<u>Knowledge Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
	071-WPN-0061	Weapons Maintenance	Yes	No
	071-WPN-0080	Weapon Capabilities	Yes	No
Skill	<u>Skill Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
	071-WPN-0024	Follow Safety Procedures	No	Yes
	071-WPN-0014	Use Cleaning Materials	No	Yes
	071-WPN-0013	Assemble Parts	Yes	No
	071-WPN-0029	Maintain Infantry Weapons	Yes	No
	071-WPN-0012	Remove Parts	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	3 hrs	37 mins	Conference/Demonstration
	Yes	0 hrs	0 mins	Test Review
	Yes	0 hrs	0 mins	Test
	Total Hours:	3 hrs	37 mins	
Test Lesson Number	<u>Hours</u>	<u>Lesson Number</u>		
	None			

Prerequisite Lesson(s)

Lesson Number

Lesson Title

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>
DA FORM 2404	EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET	01 Feb 2011	
FM 3-22.68	Crew-Served Machine Guns, 5.56-MM and 7.62-MM	21 Jul 2006	
FM 5-19	COMPOSITE RISK MANAGEMENT	21 Aug 2006	
TM 9-1240-415-13&P	OPERATOR, UNIT, AND DIRECT SUPPORT MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR TELESCOPE, STRAIGHT: M145 (1240-01-411-6350)	28 Feb 2000	

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>
NCOIC	1:32		8.0
Combat Lifesaver	1:18		8.0
Ammunition NCO	1:32		4.0
Equipment NCO	1:32		8.0
Driver	1:18		16.0
Medic	1:32		4.0

**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>
1005-01-412-3129 - MACHINE GUN,7.62 MILLIMETER	1:8	0:0	No	0	No
1240-01-411-6350 - TELESCOPE,STRAIGHT	0:0	0:0	No	0	
1240-01-411-6350 - TELESCOPE,STRAIGHT	0:0	0:0	No	0	
1240-01-411-6350 - TELESCOPE,STRAIGHT	0:0	0:0	No	0	
1240-01-411-6350 - TELESCOPE,STRAIGHT	1:8	0:0	No	0	No
2320-01-123-2665 - Truck Utility: Tactical 3/4 Ton W/E M1009	1:18	0:0	No	0	No
2320-01-354-3385 - Truck Cargo: 4x4 LMTV W/E: M1078	1:18	0:0	No	0	No
5860-61-471-2091 - AN/PEM-1	1:8	1:1	No	0	No
6135-00-985-7845 - Battery, Nonrechargeable, AA	6:1	6:1	No	0	No
6135-01-398-5922 - BATTERY,NONRECHARGEABLE	0:0	0:0	No	0	
6135-01-398-5922 - BATTERY,NONRECHARGEABLE	0:0	0:0	No	0	
6135-01-398-5922 - BATTERY,NONRECHARGEABLE	0:0	0:0	No	0	
6530-00-783-7510 - LITTER,NONRIGID,POLELESS	1:32	0:0	No	0	No
6530-01-260-1222 - RESCUE AND TRANSPORT SYSTEM,PATI	1:32	0:0	No	0	No
6545-01-254-9551 - MES,COMBAT LIFESAVER-1999	1:18	0:0	No	0	No
6640-00-663-0832 - PAPER,LENS	0:0	0:0	No	0	
6640-00-663-0832 - PAPER,LENS	0:0	0:0	No	0	
6665-00-159-2218 - Wet Bulb-Globe Temperature Kit	1:32	0:0	No	0	No
6730-00-933-4871 - Screen, Projection	1:32	0:0	No	0	No
6730-01-551-9773 - Projector, Multimedia: Epson Powerlite 760C	1:32	0:0	No	0	No
6850-00-392-9751 - CLEANING COMPOUND,OPTICAL LENS	0:0	0:0	No	0	
6850-00-392-9751 - CLEANING COMPOUND,OPTICAL LENS	0:0	0:0	No	0	
7021-01-487-6268 - Computer, Laptop, Printer Friendly, WWireless Capability	1:32	0:0	No	0	No
7240-00-089-3827 - Can, Military	1:8	0:0	No	0	No
9150-01-053-6688 - CLEANER,LUBRICANT AND PRESERVATI	1:1	0:0	No	0	No

(Note: Asterisk before ID indicates a TADSS.)

**Materials
Required**

Instructor Materials:

FM 3-22.68 CREW SERVED WEAPONS

TM 9-1005-201-10 Operators Manual M249 Machine Gun

TM 9-1005-313-10 Operators Manual M240 Machine Gun

TM 9-1005-344-10 M122 Operators Manual Tripod

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>
17120-1080-50 GEN INST BLDG, 1080 SF, 50 PN		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: Conference/Demonstration
Instr Type(I:S Ratio/Qty): instructor (4:32/0)
Time of Instruction: 5 mins
Instructional Strategy: Large Group Instruction

Motivator

In our current operational environment a Soldier's survivability depends on the proficiency, and confidence in their ability to apply the fundamentals of engaging targets, making a more lethal, and deadly combination during combat.

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:	Operate the M145 Machine Gun Optic.
Conditions:	As a member of an Infantry squad, during daylight hours, given an M249 or M240B machine gun with a mounted, zeroed, and operable M145 telescope, and one battery (OE890) DL1/3N. You have been directed to operate the scope.
Standards:	Install batteries, power up, employ, and power down the M145 Telescope. Operate the telescope under unusual conditions as appropriate.

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

Moderate - 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

Soldiers will be evaluated by task performance measures.

Instructional Lead-in

At this time you will be learning about the M145 machine Gun Optic, a piece of equipment that the US Army has been using. The M145 will be primarily mounted on the M240B Machine Gun. This piece of equipment will help you in the reduction of key targets.

SECTION III. PRESENTATION

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

A. ENABLING LEARNING OBJECTIVE

ACTION:	Operate M145 Telescope, Straight
CONDITIONS:	As a member of an Infantry squad, during daylight hours, given an M249 or M240B machine gun with a mounted, zeroed, and operable M145 telescope, and one battery (OE890) DL1/3N. You have been directed to operate the scope.
STANDARDS:	Install batteries, power up, employ, and power down the M145 Telescope. Operate the telescope under unusual conditions as appropriate.

ELO A - LSA 1. Learning Step / Activity ELO A - LSA 1. Install the battery.

Method of Instruction: Conference/Demonstration

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

Time of Instruction: 0 hrs 5 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.

Remove the battery cap by turning it counterclockwise and holding the rotary reticle illumination switch stationary.

Ensure that the O-ring is in the battery cap. Using the sight without an O-ring in the battery cap can allow a short and shorten battery life. Insert battery with positive end to cap.

Reinstall the battery cap by holding the rotary reticle illumination switch stationary turning clockwise until snug. Tighten by hand only. Open the rear lens cover. Turn the rotary reticle illumination switch and look through rear lens. Verify that the reticle is illuminated. If not, replace the battery. When finished, turn the rotary switch to the OFF position, and then replace the rear lens cover.

Check on Learning: Conduct a check on learning, ask questions, and correct student mis-understandings.

Review Summary: Summarize the learning activity.

ELO A - LSA 2. Learning Step / Activity ELO A - LSA 2. Power up the telescope.

Method of Instruction: Conference/Demonstration

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

Time of Instruction: 0 hrs 5 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.

a. Open rear lens cover.

- b. Turn rotary switch one click counterclockwise.
- c. Look through rear lens.
- d. Verify that the reticle is illuminated.
- e. Replace the battery if reticle is not illuminated.

Check on Learning: Conduct a check on learning, ask questions, and correct student mis-understandings.

Review Summary: Summarize the learning activity.

ELO A - LSA 3. Learning Step / Activity ELO A - LSA 3. Employ the M145 telescope.

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.

- a. Open both the rear and front lens covers.
 - b. Turn both covers inside out to place them in the stow position.
 - c. Look through rear lens to ensure a maximum field of view and correct eye relief.
- Note: For low light operations, the reticle can be illuminated to show the 300m, 500m, 700m and 800m aiming marks.
- d. Adjust the reticle intensity to the desired level.
- Note: The M145 rotary switch has 10 reticle intensity positions: the OFF position and 9 positions for different reticle intensity settings.

Check on Learning: Conduct a check on learning, ask questions, and correct student mis-understandings.

Review Summary: Summarize the learning activity.

ELO A - LSA 4. Learning Step / Activity ELO A - LSA 4. Power down the telescope.

Method of Instruction: Conference/Demonstration

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

Time of Instruction: 0 hrs 5 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.

- a. Turn rotary switch to the OFF position.
- b. Replace both lens covers.

Check on Learning: Conduct a check on learning, ask questions, and correct student mis-understandings.

Review Summary: Summarize the learning activity.

ELO A - LSA 5. Learning Step / Activity ELO A - LSA 5. Operate the M145 telescope under unusual conditions.

Method of Instruction: Conference/Demonstration

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

Time of Instruction: 0 hrs 30 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.

a. Operate the M145 under extreme cold conditions.

Note: Extreme cold will shorten battery life.

(1) Keep spare batteries in a non-conductive container in your inner pockets to keep them warm.

(2) Wipe off condensation after the M145 has warmed up when brought from cold to warm.

b. Operate the M145 under dusty or sandy conditions.

(1) Close both front and rear lens covers when sight is not being used.

(2) Clean lens (with lens paper and dry sight with a cloth as soon as possible after being exposed to dusty or sandy conditions.

c. Operate the M145 under wet, muddy, and snow conditions.

(1) Ensure battery cap is hand tight before exposing the sight to water, mud, or snow.

(2) Ensure both adjustment screw caps are hand tight before exposing to water, mud, or snow.

(3) Close both front and rear lens covers when sight is not being used.

(4) Clean lens with lens paper and dry sight with a cloth as soon as possible after being exposed to water, mud, or snow.

(5) Use anti-fogging compound in wet or snow conditions.

(6) Attempt to acclimatize telescope to environment to minimize fogging.

d. Operate the M145 under chemical, biological, radiological, and nuclear (CBRN) conditions.

(1) Remove all rubber items.

Note: All rubber items must be disposed of in accordance with unit standing operating procedures (SOP).

(2) Decontaminate sight while mounted to the weapon.

(3) Decontaminate sight using M258A1 individual soldier's personal decontamination kit.

(4) Replace disposed rubber items with new rubber items.

Check on Learning: Conduct a check on learning, ask questions, and correct student mis-understandings.

Review Summary: Summarize the learning activity.

CHECK ON LEARNING (ELO A): Conduct a check on learning and correct any student misunderstandings.

REVIEW SUMMARY(ELO A): Summarize the learning objective.

B. ENABLING LEARNING OBJECTIVE

ACTION:	Maintain M145 Telescope, Straight.
CONDITIONS:	As a member of an Infantry squad, given an M145 telescope with components, battery (OE890) DL1/3N, clean water, optical lens cleaning compound, lens paper, soft cloth, and TM 9-1240-415-13&P. You have been directed to perform operator maintenance on the M145 telescope.
STANDARDS:	Conduct inventory of M145 telescope, conduct preventive maintenance checks and services (PMCS), clean the M145 telescope, and inspect the M145 telescope in accordance with TM 9-1240-415-13&P.

ELO B - LSA 1. Learning Step / Activity ELO B - LSA 1. Conduct inventory of M145 Telescope.

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.

Conduct inventory of M145 Telescope.

Check on Learning: Conduct a check on learning, ask questions, and correct student mis-understandings

Review Summary: Summarize the learning activity.

ELO B - LSA 2. Learning Step / Activity ELO B - LSA 2. Perform PMCS.

Method of Instruction: Conference/Demonstration

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

Time of Instruction: 0 hrs 30 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.

a. Conduct before, during, or after checks and services in accordance with TM 9-1240-415-13&P.

b. Record results of PMCS.

c. Report deficiencies to unit maintenance personnel.

d. Turn in M145 for repair, as required.

Check on Learning: Conduct a check on learning, ask questions, and correct student mis-understandings.

Review Summary: Summarize the learning activity.

ELO B - LSA 3. Learning Step / Activity ELO B - LSA 3. Clean the M145 telescope.

Method of Instruction: Conference/Demonstration

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

Time of Instruction: 0 hrs 30 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.

- a. Clean the exterior of the M145 telescope and metal components.
 - (1) Flush with water.
 - (2) Wipe with a soft cloth.
- b. Clean the lens.
 - (1) Remove large particles from exposed lens surfaces.
 - (a) Blow as much dust and dirt as possible from the exposed lens surfaces.
 - (b) Gather the center of a sheet of lens paper and use the edges to brush dust from the front and back lens.
 - (2) Remove mud using optical lens cleaning compound or by splashing water onto the lens.
 - (3) Moisten a piece of lens paper and gently wipe over the lens surface.
 - (4) Dry with clean lens paper.
- c. Clean the signature reduction device.
 - (1) Remove the signature reduction device by rotating in a counterclockwise direction.
 - (2) Clean the signature reduction device by running water through the honeycomb.
 - (3) Shake out excess water and leave to dry.
- d. Clean the laser filter.
 - (1) Remove the laser filter by rotating in a counterclockwise direction.
 - (2) Clean the laser filter with lens paper.
 - (3) Replace the laser filter and signature reduction device by screwing clockwise onto the front objective lens.

Check on Learning: Conduct a check on learning, ask questions, and correct student mis-understandings.

Review Summary: Summarize the learning activity.

ELO B - LSA 4. Learning Step / Activity ELO B - LSA 4. Inspect the M145 telescope.

Method of Instruction: Conference/Demonstration

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.

- a. Inspect the exterior of the sight for loose or missing parts and cleanliness.
- b. Inspect for visual obstruction of target image by looking through the sight.
- c. Ensure that the 300m, 500m, 700m, and 800m marks in the reticle are visible.
- d. Inspect the battery cap and ensure that battery cap threads are clean and undamaged.
- e. Ensure the O-ring and spring is in the battery cap.
- f. Inspect mount for damage that will prevent sight from being installed.
- g. Inspect both lens covers and ensure they can be snapped in place.
- h. Inspect torque limiting knob for damage that will prevent sight from being installed.
- i. Inspect torque limiting shaft and ensure threads are not stripped.
- j. Ensure signature reduction device and laser filter is present.
- k. Report any deficiencies not correctable to supervisor.

Check on Learning: Conduct a check on learning, ask questions, and correct student mis-understandings.

Review Summary: Summarize the learning activity.

CHECK ON LEARNING (ELO B): Conduct a check on learning and correct any student misunderstandings.

REVIEW SUMMARY(ELO B): Summarize the learning objective.

SECTION IV. SUMMARY

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

Check on Learning

Conduct a check on learning and correct any student misunderstandings.

Review/ Summary

Summarize the learning objective.

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

**Operate the M145 Machine Gun Optic
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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-SAWE06 Version 1.0

Appendix D - Student Handouts

**Operate the M145 Machine Gun Optic
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Sequence	Media Name	Media Type
None		

Appendix E - TRAINER'S LESSON OUTLINE

Operate the M145 Machine Gun Optic

071-SAWE06 / Version 1.0

Effective Date: 08 March 2013

1. The importance of this lesson: (Why)

Identify and Operate the M145 Machine Gun Optic.

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

Individuals must be able to identify the component parts of the M145 MGO, maintain the M145 MGO, and place the M145 MGO into operation.

3. Tasks to be taught

<u>Task Number</u>	<u>Task Title</u>	<u>Task Type</u>
071-703-0001	Operate M145 Telescope, Straight	Individual TAUGHT
071-703-0002	Maintain M145 Telescope, Straight	Individual TAUGHT
071-COM-4030	Zero an M249 Machine Gun	Individual SUPPORTED
071-COM-4024	Engage Targets with an M249 Machine Gun	Individual SUPPORTED
071-025-0006	Zero an M240B Machine Gun	Individual SUPPORTED
071-025-0007	Engage Targets with an M240B Machine Gun	Individual SUPPORTED

Additional Non-Standard Tasks

None

4. References:

<u>Reference Number</u>	<u>Reference Title</u>	<u>Date</u>
DA FORM 2404	EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET	01 Feb 2011
FM 3-22.68	Crew-Served Machine Guns, 5.56-MM and 7.62-MM	21 Jul 2006
FM 5-19	COMPOSITE RISK MANAGEMENT	21 Aug 2006
TM 9-1240-415-13&P	OPERATOR, UNIT, AND DIRECT SUPPORT MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR TELESCOPE, STRAIGHT: M145 (1240-01-411-6350)	28 Feb 2000

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>
17120-1080-50	GEN INST BLDG, 1080 SF, 50 PN

AMMO: Ammunition Requirements

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

MISC: Materiel Items and TADSS Requirements

<u>Id</u>	<u>Name</u>
1005-01-412-3129	MACHINE GUN,7.62 MILLIMETER
1240-01-411-6350	TELESCOPE,STRAIGHT
1240-01-411-6350	TELESCOPE,STRAIGHT
1240-01-411-6350	TELESCOPE,STRAIGHT
1240-01-411-6350	TELESCOPE,STRAIGHT
2320-01-123-2665	Truck Utility: Tactical 3/4 Ton W/E M1009
2320-01-354-3385	Truck Cargo: 4x4 LMTV W/E: M1078
5860-61-471-2091	AN/PEM-1
6135-00-985-7845	Battery, Nonrechargeable, AA
6135-01-398-5922	BATTERY,NONRECHARGEABLE
6135-01-398-5922	BATTERY,NONRECHARGEABLE
6135-01-398-5922	BATTERY,NONRECHARGEABLE
6530-00-783-7510	LITTER,NONRIGID,POLELESS
6530-01-260-1222	RESCUE AND TRANSPORT SYSTEM,PATI
6545-01-254-9551	MES,COMBAT LIFESAVER-1999
6640-00-663-0832	PAPER,LENS
6640-00-663-0832	PAPER,LENS
6665-00-159-2218	Wet Bulb-Globe Temperature Kit
6730-00-933-4871	Screen, Projection
6730-01-551-9773	Projector, Multimedia: Epson Powerlite 760C
6850-00-392-9751	CLEANING COMPOUND,OPTICAL LENS
6850-00-392-9751	CLEANING COMPOUND,OPTICAL LENS
7021-01-487-6268	Computer, Laptop, Printer Friendly, WWireless Capability
7240-00-089-3827	Can, Military
9150-01-053-6688	CLEANER,LUBRICANT AND PRESERVATI

(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.