

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task. Nuclear Weapons Security (NWS) Battalions are not required to qualify on this task.

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**8152-M16-1015:** Execute Advanced Combat Rifle Marksmanship Table 4B Short Range Night

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF ARMED SENTRY

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a service rifle with Rifle Combat Optic (RCO), Mini Integrated Pointer Illuminator Module (MIPIM), night vision device, individual field equipment, sling, magazines, ammunition, and known distance targets.

**STANDARD:** To achieve a qualifying score of 50.

**PERFORMANCE STEPS:**

1. Execute Stage 1, controlled pairs from the standing to the kneeling position.
2. Execute Stage 2, box drill from the standing/kneeling position.
3. Execute Stage 3, controlled pairs using forward movement
4. Execute Stage 4, 90-degree pivot right, box drill using the standing position.
5. Execute Stage 5, 90-degree pivot left, box drill using the standing position.
6. Execute Stage 6, 180-degree pivot left, box drill using forward movement.
7. Execute Stage 7, 90-degree pivot right, box drill using the standing position.
8. Execute Stage 8, 90-degree pivot left, box drill using the standing position.
9. Execute Stage 9, 180-degree pivot right, box drill using forward movement.

**REFERENCES:**

1. MCO 3574.2K Marine Corps Combat Marksmanship Program
2. MCRP 3-01A Rifle Marksmanship

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A059 Cartridge, 5.56mm Ball M855 10/Clip	50 rounds per Marine

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task. Nuclear Weapons Security (NWS) Battalions are not required to qualify on this task.

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**8152-M16-1016:** Execute Advanced Combat Rifle Marksmanship Table 4C Unknown Distance Day

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF ARMED SENTRY

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a service rifle with Rifle Combat Optic (RCO), individual field equipment, sling, magazines, unknown distance targets that contain no shoot targets, and ammunition.

**STANDARD:** To achieve a qualifying score of 60.

**PERFORMANCE STEPS:**

1. Engage targets at 40 to 60 meters using the supported kneeling position.
2. Engage targets at 90 to 110 meters using the supported prone position.
3. Engage targets at 140 to 160 meters using the supported prone position.
4. Engage targets at 190 to 210 meters using the supported prone position.
5. Engage targets at 240 to 260 meters using the supported prone position.
6. Engage targets at 290 to 310 meters using the supported prone position.

**REFERENCES:**

1. MCO 3574.2K Marine Corps Combat Marksmanship Program
2. MCRP 3-01A Rifle Marksmanship

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

**DODIC**

**Quantity**

A059 Cartridge, 5.56mm Ball M855 10/Clip 60 rounds per Marine

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task. Nuclear Weapons Security (NWS) Battalions are not required to qualify on this task.

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**8152-M16-1017:** Execute Advanced Combat Rifle Marksmanship Table 4D Unknown Distance Night

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF ARMED SENTRY

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a service rifle with Rifle Combat Optic (RCO), Mini Integrated Pointer Illuminator Module (MIPIM), night vision device, individual field equipment, sling, magazines, ammunition, and unknown distance targets.

**STANDARD:** To achieve a qualifying score of 60.

**PERFORMANCE STEPS:**

1. Engage targets at 40 to 60 meters using the supported kneeling position.
2. Engage targets at 90 to 110 meters using the supported prone position.
3. Engage targets at 140 to 160 meters using the supported prone position.
4. Engage targets at 190 to 210 meters using the supported prone position.
5. Engage targets at 240 to 260 meters using the supported prone position.
6. Engage targets at 290 to 310 meters using the supported prone position.

**REFERENCES:**

1. MCO 3574.2K Marine Corps Combat Marksmanship Program
2. MCRP 3-01A Rifle Marksmanship

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A059 Cartridge, 5.56mm Ball M855 10/Clip	60 rounds per Marine

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task. Nuclear Weapons Security (NWS) Battalions are not required to qualify on this task.

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**8152-M2-1001:** Perform operator maintenance for an M2 heavy machinegun and associated components (D)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 6 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an SL-3 complete M2 heavy machinegun, M3 tripod, authorized cleaning gear, and lubricant.

**STANDARD:** To ensure the weapon is clean and serviceable.

**PERFORMANCE STEPS:**

1. Clear the M2 heavy machinegun.
2. Disassemble the M2 heavy machinegun.
3. Clean/inspect the M2 heavy machinegun.
4. Lubricate the M2 heavy machinegun.
5. Assemble the M2 heavy machinegun.
6. Perform function check.
7. Inspect an M3 tripod.
8. Clean an M3 tripod.
9. Lubricate an M3 tripod.
10. Inspect the M2 SL-3 components.
11. Clean the M2 SL-3 components.
12. Lubricate the M2 SL-3 components.

**REFERENCES:**

1. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
2. SL-3-02498B Machine Gun, Caliber .50, Browning, M2
3. TM 02498A-10/2 Operator's Manual, Machine Guns, Caliber .50; Browning, M2 Heavy Barrel

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M2-1002:** Mount an M2 heavy machinegun on an M3 tripod (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 6 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an SL-3 complete M2 heavy machinegun, an M3 tripod, pintle, and T&E mechanism, while wearing a fighting load.

**STANDARD:** To place the gun into action.

**PERFORMANCE STEPS:**

1. Inspect the M2 heavy machinegun and associated components for serviceability.
2. Emplace the M3 tripod in the desired location.
3. Attach the pintle to the M2 receiver.
4. Attach the M2 heavy machinegun receiver to the M3 tripod.
5. Attach the barrel to the M2 heavy machinegun receiver.
6. Check headspace and timing.

**RELATED EVENTS:**

0331-M2-1001

0331-M2-1003

**REFERENCES:**

1. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M2-1003:** Mount an M2 heavy machinegun on an appropriate tactical vehicle (A)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 6 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an SL-3 complete M2 heavy machinegun and a tactical vehicle with an appropriate mount, and a mounting adapter, while wearing a fighting load.

**STANDARD:** To place the gun into action.

**PERFORMANCE STEPS:**

1. Inspect the M2 heavy machinegun and associated components for serviceability.
2. Attach the appropriate vehicle mount to the tactical vehicle.
3. Attach the mounting adapter and pintle to the M2 receiver.
4. Attach the M2 heavy machinegun receiver to the vehicle mount.
5. Attach the barrel to the M2 heavy machinegun receiver.
6. Attach the ammo tray to the selected vehicle mount.
7. Check headspace and timing.

**RELATED EVENTS:**

0331-M2-1001                      0331-M2-1002

**REFERENCES:**

1. FM 21-305 Manual for Wheeled Vehicle Driver
2. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
3. MCWP 3-15.1 Machineguns and Machinegun Gunnery
4. TM 2320-10/6A Truck Utility 1/4 Ton 4X4

**SUPPORT REQUIREMENTS:**

**EQUIPMENT:** Appropriate tactical vehicle.

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** The following components can be used to mount the M2 Heavy Machinegun: MK64 cradle, MK 93 cradle, MK 175 vehicle mount, universal pintle adapter (UPA), and the M4 pedestal mount. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M2-1004:** Set headspace and timing for an M2 heavy machinegun (A)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 6 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a mounted, SL-3 complete M2 heavy machinegun, while wearing a fighting load.

**STANDARD:** To place the weapon into action.

**PERFORMANCE STEPS:**

1. Clear the M2 machinegun.
2. Conduct barrel check to ensure the barrel is locked to the barrel extension.
3. Set/check headspace for the M2 heavy machinegun.
4. Set/check timing for the M2 heavy machinegun.

**RELATED EVENTS:**

0331-M2-1003                      0331-M2-1001                      0331-M2-1002

**REFERENCES:**

1. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 02498A-10/2 Operator's Manual, Machine Guns, Caliber .50; Browning, M2 Heavy Barrel

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M2-1005:** Load the M2 heavy machinegun with cover open

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 6 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an appropriately mounted, Sl-3 complete M2 heavy machinegun, and ammunition, while wearing a fighting load.

**STANDARD:** In accordance with the reference.

**PERFORMANCE STEPS:**

1. Ensure bolt is forward, the cover is raised, and the weapon in automatic mode.
2. Place ammunition belt in the feedway until the first round is engaged by the belt feeding pawls.
3. Close the cover (Condition 3)
4. Charge weapon once (Condition 2 "half load")
5. Charge the weapon again (Condition 1)

**RELATED EVENTS:**

0331-M2-1012                      0331-M2-1003                      0331-M2-1007  
0331-M2-1011                      0331-M2-1008                      0331-M2-1002

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A576 Cartridge, Caliber .50 4 API M8/1 AP	10

RANGE/TRAINING AREA: Facility Code 17581 Machine Gun Field Fire Range

OTHER SUPPORT REQUIREMENTS: Machinegun range (if live ammunition is used)  
Weapons: M2 .50 cal Heavy Machinegun

ADMINISTRATIVE INSTRUCTIONS: If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-M2-1006: Engage a target with an M2 heavy machinegun

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an appropriately mounted, SL-3 complete M2 heavy machinegun, appropriate limited-visibility sight, and ammunition, while wearing a fighting load.

STANDARD: To achieve a hit on a target.

PERFORMANCE STEPS:

1. Assume an appropriate firing position
2. Set organic or attached limited-visibility sight to estimated range
3. Aim in on target using organic or attached limited-visibility sight
4. Maintain lubrication during firing

RELATED EVENTS:

0331-EMPL-2003	0331-EMPL-1005	0331-EMPL-1002
0331-M2-1002	0331-M2-1012	0331-M2-1003
0331-M2-1010	0331-M2-1009	0331-M2-1007
0331-M2-1006	0331-M2-1011	

REFERENCES:

1. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 02498A-10/2 Operator's Manual, Machine Guns, Caliber .50; Browning, M2 Heavy Barrel

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A576 Cartridge, Caliber .50 4 API M8/1 AP	300

RANGE/TRAINING AREA:

Facility Code 17581 Machine Gun Field Fire Range

OTHER SUPPORT REQUIREMENTS: Weapons: M2 .50 cal Heavy Machinegun

ADMINISTRATIVE INSTRUCTIONS: If this equipment is not issued according to

Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-M2-1007: Perform remedial action for an M2 heavy machinegun (A)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an SL-3 complete M2 heavy machinegun loaded with ammunition, with a malfunction or stoppage not corrected by immediate action, while wearing a fighting load.

STANDARD: To return the weapon into action.

PERFORMANCE STEPS:

1. Place weapon in single shot mode.
2. Make hot/cold barrel determination.
3. If barrel is hot, wait 15 minutes, and perform cold barrel procedures.
4. If cold barrel, open cover, clear source of ammunition.
5. Disassemble and inspect weapon and ammunition.
6. Assemble the weapon and perform a function check.

RELATED EVENTS:

0331-M2-1008

0331-M2-1005

0331-M2-1006

REFERENCES:

1. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 02498A-10/2 Operator's Manual, Machine Guns, Caliber .50; Browning, M2 Heavy Barrel

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A560 Cartridge, Caliber .50 Dummy M2	10

RANGE/TRAINING AREA: Facility Code 17581 Machine Gun Field Fire Range

OTHER SUPPORT REQUIREMENTS: Expenditure of ammunition is not required.

ADMINISTRATIVE INSTRUCTIONS: If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-M2-1101: Zero an M2 heavy machinegun (B)



EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an M2 heavy machinegun, ammunition, and basic machinegun targets at 10 meters, while wearing a fighting load.

STANDARD: To establish point of aim/point of impact.

PERFORMANCE STEPS:

1. Put the gun in Condition 1.
2. Lay the gun on the first paster, ensuring that the sights are aligned and at 6 o'clock on the paster.
3. Fire 3 rounds, one at a time, ensuring that the same 6 o'clock sight picture is regained on the paster between shots.
4. Put the gun in Condition 4.
5. Move downrange to observe the shot group and mark the center of the group.
6. If the center of the shot group is in the center of the paster, the gun is zeroed.
7. If the center of the shot group is not in the center of the paster, the rear peep sight aperture needs adjustment.
8. Make the necessary sight adjustments.
9. Put the gun in condition 1.
10. Fire another 3-round shot group (one round at a time) at the same paster.
11. Put the gun in Condition 4.
12. Move back downrange to observe the shot group. Make appropriate sight adjustments.
13. Continue the above procedures until the shot group is centered in the paster.
14. Confirm zero by firing a 3-round shot group at the second paster.
15. Once the zero is confirmed, zero out the deflection scale.

RELATED EVENTS:

0331-M2-1107	0331-M2-1106	0331-MMG-1101
0331-M2-1102	0331-M2-1103	

REFERENCES:

1. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A576 Cartridge, Caliber .50 4 API M8/1 AP	12

RANGE/TRAINING AREA:

Facility Code 17510 Basic 10M-25M Firing Range (Zero)  
Facility Code 17580 Machine Gun Transition Range  
Facility Code 17581 Machine Gun Field Fire Range

ADMINISTRATIVE INSTRUCTIONS: If this equipment is not issued according to

Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M2-1102:** Field zero an M2 heavy machinegun (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an M2 heavy machinegun, ammunition, and targets at 550 meters, while wearing a fighting load.

**STANDARD:** To establish point of aim/point of impact.

**PERFORMANCE STEPS:**

1. Estimate the range to target.
2. Set the rear sight elevation to the estimated range and lay the gun on the target (sights at 6 o'clock to the target).
3. Fire a single round while the assistant gunner observes the impact.
4. Manipulate the T&E mechanism until the impact is adjusted onto the target.
5. Once the impact is on target, fire a confirmation round.
6. Maintain position and shoulder pressure ensuring that the lay of the gun remains the same while sight adjustments are made for windage and elevation.
7. Once the sights are aligned on the target, fire a single confirmation round to verify the field zero.
8. When the zero is confirmed, adjust the windage scale so that the index line is zeroed on the windage scale.

**RELATED EVENTS:**

0331-M2-1108

0331-MMG-1102

0331-M2-1102

0331-M2-1107

**REFERENCES:**

1. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A576 Cartridge, Caliber .50 4 API M8/1 AP	5

**RANGE/TRAINING AREA:**

Facility Code 17581 Machine Gun Field Fire Range  
Facility Code 17580 Machine Gun Transition Range

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** 1. Since the zeroing calibrates the rear

sight for all targets within the effective range of the machinegun, the estimated range to any target can be placed on the rear sight and, with proper range estimation and a 6 o'clock sight picture, the initial burst should be on target. 2. DODIC A571 may be substituted if available for this event. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-M2-1103: Conduct the 10-meter Basic Course for the M2 (Gunnery Table I) (B)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an M2 heavy machinegun, ammunition, and basic machinegun targets at 10 meters, while wearing a fighting load.

STANDARD: By achieving a minimum score of 70 points out of a possible 102.

PERFORMANCE STEPS:

1. Prepare two (2) 6-round belts of ammunition.
2. Engage pasters in Bank 3-4 (one paster each) with one 6-round burst each.
3. Prepare a 30-round belt of ammunition.
4. Engage pasters in Bank 5-6 (5 pasters total) with one 6-round burst each, using the traverse and search mechanism for each subsequent burst.
5. Prepare a 48-round belt of ammunition.
6. Engage pasters in Bank 7-8 (8 pasters total) with one 6-round burst each, using the traverse and search mechanism as appropriate for each subsequent burst.
7. Prepare four (4) 6-round belts of ammunition.
8. In a time limit of 45 seconds, engage pasters in Bank 1-4 (4 pasters total) with one 6-round burst each. No manipulation of the T&E is required other than to obtain proper sight alignment and picture before firing the 6-round bursts.
9. Prepare a 30-round belt of ammunition.
10. In a time limit of 30 seconds, engage pasters in Bank 5-6 (5 pasters total) with one 6-round burst each, using the traverse and search mechanism for each subsequent burst.
11. Prepare a 48-round belt of ammunition.
12. In a time limit of 45 seconds, engage pasters in Bank 7-8 (8 targets total) with one 6-round burst each, using the traverse and search mechanism as appropriate for each subsequent burst.

PREREQUISITE EVENTS: 0331-M2-1101

RELATED EVENTS:

0331-M2-2110

0331-MMG-1106

0331-M2-1107

0331-M2-1108

**REFERENCES:**

1. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A576 Cartridge, Caliber .50 4 API M8/1 AP	192

**RANGE/TRAINING AREA:**

Facility Code 17510 Basic 10M-25M Firing Range (Zero)  
Facility Code 17580 Machine Gun Transition Range  
Facility Code 17581 Machine Gun Field Fire Range

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** 1. Total possible score for Table I is 102 points, with a minimum of 70 points for a passing score. 2. Only rounds that impact on or within the line of the paster will be scored. 3. Each hit is scored as one point. 4. Only 6 rounds per paster will be scored, for a total score of 6 points per paster. 5. Table I score does not constitute complete qualification for the medium machinegun gunner. Table II (Transition Course) must also be fired, and the two scores added together in order to achieve a qualification score. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M2-1104:** Conduct the Range Card Course for an M2 (Gunnery Table III)  
(B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an M2 heavy machinegun, ammunition, 4-silhouette target banks and stationary vehicle silhouette targets from 600 to 1000 meters, while wearing a fighting load.

**STANDARD:** To record and fire targets in a defensive situation.

**PERFORMANCE STEPS:**

1. With a 48-round belt of ammunition, register the Final Protective Line (FPL) using 12-round bursts.
2. Record the T&E data for the FPL on the range card.
3. With a 48-round belt of ammunition, register the two 4-silhouette target banks (one at 600 and one at 700 meters), and the two stationary vehicle silhouette targets (one at 900 and one at 1000 meters).
4. Record the T&E data for the point targets on the range card.

5. With a 24-round belt of ammunition, register the two linear targets; one shallow target at 600 meters, and one deep target centered at 800 meters.
6. Record the T&E data for the linear targets on the range card.
7. With a 12-round belt of ammunition, engage the two linear targets using T&E data from the range card.
8. With a 24-round belt of ammunition, engage the four point targets using T&E data from the range card.
9. With a 12-round belt of ammunition, fire the final protective line using T&E data from the range card in a single burst.

**PREREQUISITE EVENTS:**

0331-M2-1107	0331-M2-1101	0331-M2-1102
0331-M2-1106		

**RELATED EVENTS:**

0331-MMG-1107	0331-MMG-1101	0331-MMG-1102
0331-MMG-1106		

**REFERENCES:**

1. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A576 Cartridge, Caliber .50 4 API M8/1 AP	168

**RANGE/TRAINING AREA:**

Facility Code 17580 Machine Gun Transition Range  
Facility Code 17581 Machine Gun Field Fire Range

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** 1. Performance steps 1-6 are for the registration of targets and the preparation of the range card. 2. Performance steps 7-9 are engagement and are scored as follows: 1 point for each target hit, with a total possible of 7 points. 3. When firing the FPL, the burst must achieve grazing fire, as evidenced by the beaten zone striking a reference point determined during registration. 4. A passing score on this gunnery table is 5 out of 7. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M2-1105:** Conduct the Night Vision Device (NVD) Course for the M2 (Gunnery Table IV) (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an M2 heavy machinegun, ammunition, a night vision device, and 4-silhouette target banks and stationary vehicle silhouette targets from 600 to 1000 meters, while wearing a fighting load.

**STANDARD:** To engage targets in a non-illuminated environment.

**PERFORMANCE STEPS:**

1. Prepare a belt of 144 rounds.
2. In a time limit of 20 seconds, engage a 4-silhouette target bank at 800 meters.
3. In a time limit of 20 seconds, engage a 4-silhouette target bank at 600 meters.
4. In a time limit of 20 seconds, engage a 4-silhouette target bank at 700 meters.
5. In a time limit of 20 seconds, engage a stationary vehicle silhouette target at 1000 meters.
6. In a time limit of 35 seconds, engage multiple 4-silhouette target banks at 600 and 700 meters.
7. In a time limit of 35 seconds, engage multiple 4-silhouette target banks at 800 and 900 meters.
8. In a time limit of 45 seconds, engage multiple 4-silhouette target banks at 600, 700, and 1000 meters.
9. In a time limit of 20 seconds, engage a stationary vehicle silhouette target at 900 meters.

**PREREQUISITE EVENTS:** 0331-M2-1103

**RELATED EVENTS:**

0331-M2-1106                      0331-M2-1108                      0331-M2-1107

**REFERENCES:**

1. FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A576 Cartridge, Caliber .50 4 API M8/1 AP	144

**RANGE/TRAINING AREA:**

Facility Code 17580 Machine Gun Transition Range  
Facility Code 17581 Machine Gun Field Fire Range

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** 1. The ammunition load allows for an allotment of two 6-round bursts for each of the 12 targets. Any leftover bursts (resulting from a first-burst hit) may be applied to a target that was not hit with the first or second burst, but no more than three bursts are allowed for any target. 2. Scoring criteria: 3 points for 1st burst hits, 2 points for 2nd burst hits, 1 point for 3rd burst hits, minus one (-1) point if target is not hit within the first three bursts. 3. 24 points are required to achieve a passing score on Table IV. If this equipment is

not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

---

**8152-M203-1001:** Maintain an M203 grenade launcher (D)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF GRENADIER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a service rifle with a mounted M203 Grenade Launcher, cleaning gear, and lubricant.

**STANDARD:** To ensure the weapon is complete, clean, and serviceable.

**PERFORMANCE STEPS:**

1. Clear the rifle.
2. Clear the M203 Grenade Launcher.
3. Disassemble the grenade launcher.
4. Clean the grenade launcher.
5. Inspect the grenade launcher.
6. Lubricate the grenade launcher.
7. Assemble the grenade launcher.
8. Conduct a function check.

**REFERENCES:**

1. TM 07700B-10 Operator's Manual, 40mm Grenade Launcher, M203 (Ch 1&2)

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M203-1002:** Perform misfire procedures for an M203 grenade launcher (D)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF GRENADIER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a service rifle with a mounted M203 grenade launcher that fails to fire and ammunition, while wearing a fighting load.

**STANDARD:** To return the weapon to service.

**PERFORMANCE STEPS:**

1. Keep muzzle on target for 30 seconds.
2. Unload the round and catch it.

3. If the primer is dented, store the round a safe distance away from serviceable ammunition.
4. If the primer is not dented, reload and attempt to fire.
5. If the weapon fails to fire, perform remedial action.

**REFERENCES:**

1. TM 07700B-10 Operator's Manual, 40mm Grenade Launcher, M203 (Ch 1&2)

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
B472 Cartridge, 40mm Dummy M922	1

**RANGE/TRAINING AREA:** Facility Code 17610 Grenade Launcher Range

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Expenditure of ammunition is not required. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M203-1003:** Perform weapons handling procedures for the M203 grenade launcher (D)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF GRENADIER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a service rifle with a mounted M203 grenade launcher and ammunition, while wearing a fighting load.

**STANDARD:** Without endangering personnel or equipment.

**PERFORMANCE STEPS:**

1. Clear the weapon.
2. Load the weapon.
3. Unload the weapon.

**REFERENCES:**

1. FM 3-22.31 40-mm Grenade Launcher, M203

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
B472 Cartridge, 40mm Dummy M922	1

**RANGE/TRAINING AREA:** Facility Code 17610 Grenade Launcher Range



**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Expenditure of ammunition is not required. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

---

**8152-M203-1004:** Zero a grenade launcher (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF GRENAДИER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a grenade launcher, ammunition, and a target, while wearing a fighting load.

**STANDARD:** To ensure a round impacts within 5 meters of the target.

**PERFORMANCE STEPS:**

1. Identify a target at 200 meters.
2. Set sights.
3. Engage a target from a supported prone position.
4. Adjust windage and elevation as needed.
5. Repeat steps 3 and 4 as necessary.

**REFERENCES:**

1. FM 3-22.31 40-mm Grenade Launcher, M203
2. MCIP 3-15.01 M16A4 Rifleman's Suite

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
B546 Cartridge, 40mm HEDP M433	5

**RANGE/TRAINING AREA:** Facility Code 17610 Grenade Launcher Range

**OTHER SUPPORT REQUIREMENTS:** Live fire range for M203 grenade launcher and ammunition with a man size target at 200 meters.

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** 1. Must be fired on a range that supports dud producing munitions. 2. This event is designed for the leaf and quadrant sight. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

---

8152-M203-1005: Engage targets with a grenade launcher (A)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLET: MCSF GRENADIER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a grenade launcher, ammunition, and targets within 300 meters, while wearing a fighting load.

STANDARD: To achieve effects on targets.

PERFORMANCE STEPS:

1. Identify a target within 300 meters.
2. Set sights.
3. Fire from a supported position.

RELATED EVENTS:

0300-M203-1004

0300-M203-1002

0300-M203-1003

REFERENCES:

1. FM 3-22.31 40-mm Grenade Launcher, M203

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

B546 Cartridge, 40mm HEDP M433

Quantity

10

RANGE/TRAINING AREA: Facility Code 17610 Grenade Launcher Range

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This task may be trained to standard using training practice rounds. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

---

8152-M203-1006: Perform grenade launcher day qualification (D)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLET: MCSF GRENADIER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a zeroed grenade launcher, ammunition, and targets from 90 to 350 meters, while wearing a fighting load.

STANDARD: By achieving effects on target for 2 of 3 rounds for each station.

**PERFORMANCE STEPS:**

1. Engage a window at 90 to 100 meters and a bunker at 105 to 115 meters with 3 training practice rounds from the kneeling firing position within 2 minutes from station 2.
2. Engage a bunker at 135 to 150 meters and an automatic weapon position at 200 to 250 meters with 3 training practice rounds from the standing position within 2 minutes from station 3.
3. Engage a troop emplacement at 275 to 300 meters and troops in the open at 325 to 350 meters with 3 training practice rounds from the prone position within 2 minutes from station 4.
4. Don and clear the M40 field protective mask within 9 seconds and secure the hood within 6 seconds.
5. Don the NBC gloves.
6. Engage a bunker at 135 to 150 meters with 3 training practice rounds from the standing position within 2 minutes from station 3.
7. Engage an automatic weapon position at 200 250 meters with 3 training practice rounds from the standing position within 2 minutes from station 3.
8. Remove and stow the M40 field protective mask with hood and NBC gloves.

**RELATED EVENTS:**

0300-M203-1005                      0300-M203-1002                      0300-M203-1003  
0300-M203-1004

**REFERENCES:**

1. FM 3-22.31 40-mm Grenade Launcher, M203

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
B519 Cartridge, 40mm Target Practice M781	15

**RANGE/TRAINING AREA:** Facility Code 17610 Grenade Launcher Range

**OTHER SUPPORT REQUIREMENTS:** Live fire range for M203 grenade launcher and ammunition with point and area targets from 90 to 350 meters.

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** In the reference Station 1 is zeroing. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

---

**8152-M249-1001:** Perform weapons handling procedures for the squad automatic weapon (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a squad automatic weapon and ammunition, while wearing a fighting load.

STANDARD: Without endangering personnel or equipment.

PERFORMANCE STEPS:

1. Clear the weapon.
2. Load the weapon.
3. Unload the weapon.

REFERENCES:

1. FM 3-22.68 Light and Medium machineguns
2. MCRP 3-11.1A Commander's Tactical Handbook
3. MCWP 3-15.1 Machineguns and Machinegun Gunnery
4. TM 08671A-10/1A Operator's Manual, Machinegun, 5.56mm, M249

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A060 Cartridge, 5.56mm Dummy M199	6

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. Maintain positive control of the cocking lever throughout clearing. 2. MARADMIN 173-01 no longer authorizes half cock. 3. This task should be trained to standard through the use of the Individual Small-Arms Marksmanship Trainer (ISMT) prior to the expenditure of live rounds. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-M249-1002: Change barrels on a squad automatic weapon (D)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a loaded squad automatic weapon requiring a barrel change, while wearing a fighting load.

STANDARD: To return the weapon to service.

PERFORMANCE STEPS:

1. Pull the bolt to the rear.
2. Place the weapon on safe.
3. Raise cover.
4. Remove ammunition.

5. Change barrel.
6. Reload ammunition.
7. Close cover.
8. Continue target engagement.

**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 08671A-10/1A Operator's Manual, Machinegun, 5.56mm, M249

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** This task will be performed in concert with a target engagement or with dummy ammo. If this equipment is not issued according to Tables of Organization/Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M249-1003:** Perform immediate action on a squad automatic weapon (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a squad automatic weapon, ammunition, while wearing a fighting load.

**STANDARD:** To return the weapon to service.

**PERFORMANCE STEPS:**

1. Wait 5 seconds to guard against hang fire.
2. Within the next 5 seconds, pull the cocking handle to the rear to guard against round cook off.
3. Observe for feeding and ejecting of ammunition (If feeding or ejecting doesn't occur, proceed to task of remedial action).
4. Push cocking handle forward.
5. Engage targets.

**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 08671A-10/1A Operator's Manual, Machinegun, 5.56mm, M249

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

**DODIC**

A060 Cartridge, 5.56mm Dummy M199

**Quantity**

6

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** This task should be trained to standard through the use of the Individual Small-Arms Marksmanship Trainer (ISMT) prior to the expenditure of live rounds. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M249-1004:** Perform remedial action for a squad automatic weapon (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a squad automatic weapon in which immediate action has failed to remedy, while wearing a fighting load.

**STANDARD:** To return the weapon to service.

**PERFORMANCE STEPS:**

1. Remove ammunition source.
2. Determine if barrel is hot or cold.
3. If hot, wait 15 minutes for possibility of cook off.
4. Unload weapon.
5. Inspect ammunition.
6. Perform 5 point safety check.
7. Reload weapon.
8. Engage targets.
9. If weapon fails to fire, clear weapon, and evacuate to higher echelon of maintenance.

**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 08671A-10/1A Operator's Manual, Machinegun, 5.56mm, M249

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** This task should be trained to standard through the use of the Individual Small-Arms Marksmanship Trainer (ISMT) prior to the expenditure of live rounds. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M249-1005:** Maintain a squad automatic weapon (D)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a squad automatic weapon, cleaning gear, and lubricant.

**STANDARD:** To ensure the weapon is complete, clean, and serviceable.

**PERFORMANCE STEPS:**

1. Clear the weapon.
2. Disassemble the weapon.
3. Clean the weapon.
4. Inspect for serviceability.
5. Lubricate the weapon.
6. Assemble the weapon.
7. Perform a function check.

**REFERENCES:**

1. TM 08671A-10/1A Operator's Manual, Machinegun, 5.56mm, M249

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

---

**8152-M249-1006:** Field zero a squad automatic weapon (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a squad automatic weapon, ammunition, and a target at 300 meters, while wearing a fighting load.

**STANDARD:** To achieve point of aim/point of impact.

**PERFORMANCE STEPS:**

1. Point weapon in a safe direction.
2. Clear weapon.
3. Set mechanical zero.
4. Select a suitable target downrange, preferably at battlesight range - 300 meters.
5. Set rear elevation knob to range to target.
6. Fire a 6-8 round burst at the target observing the impacts (aiming point is 6 o'clock).
7. Make corrections for windage (windage knob) and elevation (peep sight) on the rear sights. If the initial impacts are off of the target by more than 18 inches for elevation use the front sight post to adjust elevation. Elevation stays at initial range.
8. Fire another 6-8 round burst at target (aiming point is 6 o'clock).
9. Make corrections for windage (windage knob) and elevation (peep sight) on the rear sights. Elevation stays at initial range to target.
10. Continue this process until impacts are on target.

11. Once field BZO has been obtained, loosen screws on the sliding index scale and slide the scale so that the white index line aligns with the white index line on the windage.
12. SPARE BARREL:
13. Fire a 6-8 round burst at the target observing the impacts (aiming point is 6 o'clock).
14. Make corrections for elevation ONLY using the front sight post. NO corrections are made on the rear sight assembly!
15. Fire another 6-8 round burst to confirm zero.

REFERENCES:

1. FM 3-22.68 Light and Medium machineguns

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A064 Cartridge, 5.56mm 4 Ball M855/1 Trac	40

RANGE/TRAINING AREA: Facility Code 17581 Machine Gun Field Fire Range

OTHER SUPPORT REQUIREMENTS: Live fire range for M249 squad automatic weapon with man-size target at 300 meters.

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: 1. This task should be trained to standard through the use of the Indoor Simulated Marksmanship Trainer (ISMT) prior to the expenditure of live rounds. 2. Field BZO can be conducted at ANY range, however, 300 meters is the preferred distance. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-M249-1007: Fire the squad automatic weapon Basic Course (Gunnery Table I) (B)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a squad automatic weapon, ammunition, and a basic machine gun target at a distance of 33 meters, while wearing a fighting load.

STANDARD: To achieve a minimum of 71 out of 102 points in accordance with MCWP 3-15.1\_.

PERFORMANCE STEPS:

1. The automatic rifleman prepares a belt of 18 rounds.
2. The automatic rifleman fires three (3) 6-8 round burst, one at each



- practice silhouette, from left to right or right to left, to confirm bursts are concentrated center mass.
3. The automatic rifleman prepares a belt of 136 rounds.
  4. In a time limit of 30 seconds, engage targets 1 through 2 (three silhouettes total) using searching fire with a 6-8 round burst per target.
  5. In a time limit of 40 seconds, engage targets 3 through 4 (four silhouettes total) using traversing fire with a 6-8 round bursts per target.
  6. In a time limit of 50 seconds, engage targets 5 through 6 (five silhouettes total) using searching and traversing fire with a 6-8 round burst per target.
  7. In a time limit of 50 seconds, engage targets 7 through 8 (five silhouettes total) using searching fire with a 6-8 round burst per target.
  8. The automatic rifleman engages pasters 7 through 8, firing a three-round burst at each paster, using the traverse and search technique.
  9. The automatic rifleman may move downrange to observe and analyze his targets.
  10. The automatic rifleman prepares a 12 round belt of ammunition.
  11. The automatic rifleman engages pasters 1 through 4 in 20 seconds, firing a three-round burst at each paster.
  12. The automatic rifleman may move downrange to observe and analyze his targets.
  13. The automatic rifleman prepares a 24 round belt of ammunition.
  14. The automatic rifleman dons his gas mask and NBC gloves.
  15. Using the traverse and search technique, the automatic rifleman engages pasters 7 through 8 in 40 seconds, firing a three-round burst at each paster.
  16. The automatic rifleman restores his mask to the carrier, removes his gloves, and moves downrange to observe and analyze his targets.
  17. The automatic rifleman prepares a 15 round belt of ammunition.
  18. Using the traverse and search technique, the automatic rifleman engages pasters 5 through 6 in 40 seconds, firing a three-round burst at each paster.
  19. The automatic rifleman may move downrange to observe and analyze his target, and score it.

**PREREQUISITE EVENTS:**

0300-M249-1006                      0300-M249-1009

**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A064 Cartridge, 5.56mm 4 Ball M855/1 Trac	154

**RANGE/TRAINING AREA:** Facility Code 17510 Basic 10M-25M Firing Range (Zero)

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** 1. Total possible score for Table I is 102

points, with a minimum of 71 points for a passing score. 2. Only rounds that impact on or within the line of the silhouette will be scored. 3. Each hit is scored as one point. 4. Only 6 rounds per silhouette will be scored, for a total score of 6 points per silhouette. 5. Table I score constitutes qualification for the M249 gunner assigned to Nuclear Weapons Security (NWS) Battalions only. For Fleet Antiterrorism Security Teams Table II (Multiple Engagement Course) must also be fired, and the two scores added together in order to achieve a qualification score. NWS Battalions may train this task to standard with the use of the Indoor Simulated Marksmanship Trainer. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M249-1008:** Engage targets with a squad automatic weapon (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a squad automatic weapon, ammunition, and a target(s), while wearing a fighting load.

**STANDARD:** To achieve effects on target.

**PERFORMANCE STEPS:**

1. Assume a supported prone firing position.
2. Make a condition one weapon.
3. Identify target(s).
4. Engage targets.
5. Make a condition four weapon.

**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A064 Cartridge, 5.56mm 4 Ball M855/1 Trac	100

**RANGE/TRAINING AREA:** Facility Code 17581 Machine Gun Field Fire Range

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task. Nuclear Weapons Security (NWS) Battalions are not required to qualify on this task.

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**8152-M249-1009:** Zero a squad automatic weapon (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a squad automatic weapon, ammunition, and a target(s), while wearing a fighting load.

**STANDARD:** To achieve point of aim/point of impact.

**PERFORMANCE STEPS:**

1. PRIMARY BARREL:
2. Point the weapon in a safe direction.
3. Clear the weapon.
4. Set mechanical zero on the weapon.
5. Fire 3 rounds individually at target 1 (aiming point is center mass).
6. Go down range and mark shots.
7. Make corrections for windage (windage knob) and elevation (peep sight) on the rear sights. If initial impacts are off of the target by more than 5 centimeters for elevation use the front sight post to adjust elevation. Elevation stays at 300 meters.
8. Fire 3 more rounds individually at target 1 (aiming point is center mass).
9. Go down range and mark shots.
10. Make corrections for windage (windage knob) and elevation (peep sight) on the rear sights. Elevation stays at 300 meters.
11. Fire last 3 rounds individually on target 1 (aiming point is center mass).
12. Fire a 3 round burst at target 2 to confirm zero (aiming point is center mass).
13. SPARE BARREL:
14. Fire 3 rounds individually at target 3 (aiming point is center mass).
15. Go down range and mark targets.
16. Make corrections for elevation ONLY on the front sight post.
17. Fire 3 more rounds individually to confirm zero.

**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A064 Cartridge, 5.56mm 4 Ball M855/1 Trac	18.

**RANGE/TRAINING AREA:** Facility Code 17581 Machine Gun Field Fire Range

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

**8152-M249-1010:** Qualify on the Multiple Engagement Course (Gunnery Table II)  
(B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a squad automatic weapon; ammunition; single or double E-silhouette targets from 100 to 800 meters; and MOPP gear, while wearing a fighting load.

**STANDARD:** By achieving a minimum score of 31 points out of a possible 45.

**PERFORMANCE STEPS:**

1. Prepare a belt of 12 rounds.
2. Confirm that the weapon is zeroed.
3. Load a drum of 200 rounds.
4. In a time limit of 5 seconds, engage a single-E silhouette target at 200 meters.
5. In a time limit of 10 seconds, engage a double-E silhouette target at 400 meters.
6. In a time limit of 20 seconds, engage a single-E silhouette target at 200 meters and a double-E silhouette target of 400 meters.
7. In a time limit of 25 seconds, engage multiple single-E silhouette targets at 100 and 200 meters, and a double-E silhouette target at 400 meters.
8. In a time limit of 15 seconds, engage a single-E silhouette target at 600 meters.
9. In a time limit of 15 seconds, engage a double-E silhouette target at 800 meters.
10. In a time limit of 25 seconds, engage a single-E silhouette target at 600 meters and a double-E silhouette target at 800 meters.
11. Don CBRN PPE to MOPP Level 4.
12. In a time limit of 10 seconds, engage a single-E silhouette target at 100 meters, while in MOPP 4.
13. In a time limit of 15 seconds, engage a single-E silhouette target at 300 meters, while in MOPP 4.
14. In a time limit of 20 seconds, engage a single-E silhouette target at 100 meters and a single-E silhouette target at 300 meters, while in MOPP 4.

**PREREQUISITE EVENTS:**

0300-M249-1006

0300-M249-1007

0300-M249-1009

**RELATED EVENTS:**

0311-M249-1004

0311-M249-1002

0311-M249-1003

**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A064 Cartridge, 5.56mm 4 Ball M855/1 Trac	212

**RANGE/TRAINING AREA:** Facility Code 17581 Machine Gun Field Fire Range

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** 1. 12 rounds are used to confirm zero. 2. 200 rounds are used for qualification. 3. All target engagements are conducted at the sustained rate using 6-8 round bursts. 4. The ammunition belt of 200 rounds allows for an allotment of two 6-8 round bursts for each of the 15 targets. Any leftover bursts (resulting from first-burst hits) may be applied to a target that was not hit with the first or second burst, but no more than three bursts are allowed for any target. 5. Scoring is as follows: 3 points for first burst hits, 2 points for second burst hits, 1 point for third burst hits, and minus one point (-1) for targets not hit. If this equipment is not issued according to Tables of Organization/Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M249-1011:** Qualify on the Fire and Movement Course (Gunnery Table III) (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a squad automatic weapon, ammunition, single- and double-E silhouette targets from 75 to 200 meters, while wearing a fighting load.

**STANDARD:** By achieving a minimum score of 40 out of a possible 57 points.

**PERFORMANCE STEPS:**

1. Prepare a belt of 228 rounds.
2. In a time limit of 20 seconds, engage a double-E silhouette target at 175 meters and a double-E silhouette target at 200 meters.
3. Rush 10 meters.
4. In a time limit of 10 seconds, engage a double-E silhouette target at 175 meters.
5. Rush 10 meters.
6. In a time limit of 20 seconds, engage a single-E silhouette target at 125 meters and a single-E silhouette target at 150 meters.
7. Rush 10 meters.
8. In a time limit of 20 seconds, engage a double-E silhouette target at 125 meters and a single-E silhouette target at 150 meters.
9. Rush 10 meters.
10. In a time limit of 20 seconds, engage a single-E silhouette target at 100 meters and a double-E silhouette target at 150 meters.
11. Rush 10 meters.

12. In a time limit of 30 seconds, engage a single -E silhouette target at 100 meters and multiple double-E silhouette targets at 125 and 150 meters.
13. Rush 10 meters.
14. In a time limit of 20 seconds, engage a double-E silhouette target at 75 meters and a single-E silhouette target at 100 meters.
15. Rush 10 meters.
16. In a time limit of 20 seconds, engage a single-e silhouette target at 75 meters and a double-E silhouette target at 100 meters.
17. Rush 10 meters.
18. In a time limit of 20 seconds, engage a single-E silhouette target at 75 meters and a double-E silhouette target at 100 meters.
19. Rush 10 meters.
20. In a time limit of 10 seconds, engage a double-E silhouette target at 75 meters.

**PREREQUISITE EVENTS:**

0300-M249-1006	0300-M249-1007	0300-M249-1009
0311-M249-1001		

**RELATED EVENTS:**

0311-M249-1003	0311-M249-1004
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**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A059 Cartridge, 5.56mm Ball M855 10/Clip	28
A064 Cartridge, 5.56mm 4 Ball M855/1 Trac	200

**RANGE/TRAINING AREA:** Facility Code 17581 Machine Gun Field Fire Range

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** 1. If emergency reloading needs to be performed during target exposure, the time limit should be extended by 10 seconds. 2. Rushes should be no more than 10 meters and take no more than 3 seconds. 3. All target engagements should be conducted at the sustained rate (6-round bursts) within the specified time limit. 4. The ammunition load of 228 rounds allows for an allotment of two 6-round bursts for each of the 19 targets. Any leftover bursts (resulting from a first-burst hit) may be applied to a target that was not hit with the first or second burst, but no more than three bursts are allowed for any target. 5. Targets should not be exposed until the automatic rifleman has performed his next rush. Time begins when the targets are exposed. Multiple targets are exposed simultaneously. 6. Scoring criteria: 3 points for 1st burst hits, 2 points for 2nd burst hits, 1 point for 3rd burst hits, minus one (-1) point if target is not hit within the first three bursts. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task. Nuclear Weapons Security (NWS) Battalions are not

required to qualify on this task.

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**8152-M249-1012:** Qualify on the Transition Course (Gunnery Table IV) (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a squad automatic weapon, ammunition, single-E silhouette targets between 25 and 75 meters, while wearing a fighting load.

**STANDARD:** By achieving a minimum score of 12 out of a possible 18 points.

**PERFORMANCE STEPS:**

1. Prepare a belt of 72 rounds.
2. In a time limit of 10 seconds, engage a single-E silhouette target at 25 meters while firing from the standing position.
3. Rush forward 5 meters.
4. In a time limit of 20 seconds, engage a single-E silhouette target at 25 meters and a single-E silhouette target at 50 meters while firing from the kneeling position.
5. Rush forward 5 meters.
6. In a time limit of 30 seconds, engage a single-E silhouette target at 25 meters, a single-E silhouette target at 50 meters, and a single-E silhouette target at 75 meters while firing from the squatting position.

**PREREQUISITE EVENTS:**

0311-M249-1002	0311-M249-1001	0300-M249-1006
0300-M249-1007	0300-M249-1009	

**RELATED EVENTS:** 0311-M249-1004

**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A064 Cartridge, 5.56mm 4 Ball M855/1 Trac	72

**RANGE/TRAINING AREA:**

Facility Code 17580 Machine Gun Transition Range  
Facility Code 17581 Machine Gun Field Fire Range

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** 1. All target engagements are conducted at the sustained rate (6-round burst). 2. Targets should not be exposed

until the automatic rifleman has moved forward 5 meters to his next firing position. Time begins when the targets are exposed. Multiple targets are exposed simultaneously. 3. The ammunition load allows for an allotment of two 6-round bursts for each of the 6 targets. Any leftover bursts (resulting from a first-burst hit) may be applied to a target that was not hit with the first or second burst, but no more than three bursts are allowed for any target. 4. Scoring criteria: 3 points for 1st burst hits, 2 points for 2nd burst hits, 1 point for 3rd burst hits, minus one (-1) point if target is not hit within the first three bursts. If this equipment is not issued according to Tables of Organization/Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-M249-1013: Qualify on the Night Vision Device (NVD) Course (Gunnery Table V) (B)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a squad automatic weapon, ammunition, night vision device(s), single- and double-E silhouette targets from 100 to 400 meters, while wearing a fighting load.

STANDARD: By achieving a minimum score of 10 out of a possible 15 points.

PERFORMANCE STEPS:

1. Prepare a belt of 60 rounds.
2. In a time limit of 15 seconds, engage a single-E silhouette target at 100 meters.
3. In a time limit of 15 seconds, engage a single-E silhouette target at 200 meters.
4. In a time limit of 20 seconds, engage a double-E silhouette target at 400 meters.
5. In a time limit of 15 seconds, engage a single-E silhouette target at 100 meters.
6. In a time limit of 20 seconds, engage a double-E silhouette target at 300 meters.

PREREQUISITE EVENTS:

0311-M249-1001

0311-M249-1002

0311-M249-1003

REFERENCES:

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

SUPPORT REQUIREMENTS:



**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A064 Cartridge, 5.56mm 4 Ball M855/1 Trac	60

**RANGE/TRAINING AREA:**

Facility Code 17580 Machine Gun Transition Range  
Facility Code 17581 Machine Gun Field Fire Range

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** 1. Targets are NON\_ILLUMINATED and will be engaged with one of the following devices: AN/PEQ-2A TPIAL with AN/PVS-14, AN/PVS-17C MNS, or AN/PAS-13B(V)2 TWS. 2. All target engagements should be conducted at the sustained rate (6-round bursts) within the specified time limit. 3. The ammunition load of 60 rounds allows for an allotment of two 6-round bursts for each of the 5 targets. Any leftover bursts (resulting from a first-burst hit) may be applied to a target that was not hit with the first or second burst, but no more than three bursts are allowed for any target. 4. Scoring criteria: 3 points for 1st burst hits, 2 points for 2nd burst hits, 1 point for 3rd burst hits, minus one (-1) point if target is not hit within the first three bursts. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-M249-1014:** Zero a Night Aiming Device (NAD) (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a squad automatic weapon, ammunition, a night aiming device, and a target at 300 meters.

**STANDARD:** To achieve point of aim/point of impact.

**PERFORMANCE STEPS:**

1. Select a suitable target downrange, preferably at 300 meters.
2. Ensure that both the rail grabber and TPIAL have been securely tightened with a flat-tip screwdriver.
3. Ensure that the TPIAL has been preset to zero.
4. Turn the selector switch to Setting 3 (AIM - HI).
5. While looking through the NVD, press the cable switch button to activate the aiming beam.
6. Manipulate the gun until the aiming beam is centered on the target.
7. Fire a 6-round burst and observe the beaten zone.
8. Re-tighten the PEQ-2 and its mount with a screwdriver.
9. Re-lay the gun to move the impacts onto the target.
10. Repeat steps 6 through 8 above until the burst is on target.
11. Once the burst is on target, keep the gun in place and have an assistant

- make adjustments to move the aiming beam onto the target by adjusting windage first, then elevation.
12. Re-tighten both the rail grabber and TPIAL with a screwdriver.
  13. Fire another 6-round burst and make any necessary adjustments to the aiming beam.
  14. Remove the lens cap from the illuminator.
  15. Turn the selector switch to Setting 5 (DUAL - HI/HI).
  16. Rotate the focus knob toward the spot illumination setting until the illuminating beam is small enough to be centered through visual observation.
  17. Manipulate the illuminating beam adjusters so that the aiming beam is centered in the middle of the illuminating beam.
  18. Fire a final 6-round burst to confirm the field zero.

PREREQUISITE EVENTS:

0300-M249-1006                      0300-M249-1009

RELATED EVENTS:    0311-M249-1004

REFERENCES:

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 11-5855-308-12&P PEQ-2

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A064 Cartridge, 5.56mm 4 Ball M855/1 Trac	30

RANGE/TRAINING AREA:

Facility Code 17580 Machine Gun Transition Range  
Facility Code 17581 Machine Gun Field Fire Range

ADMINISTRATIVE INSTRUCTIONS: If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-MK19-1001: Perform operator maintenance on an MK-19 heavy machinegun and associated components (D)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an SL-3 complete MK-19 heavy machinegun, tripod, cradle, authorized cleaning gear, and lubricants.

STANDARD: To ensure the weapon is clean and serviceable.

**PERFORMANCE STEPS:**

1. Clear a MK-19 heavy machinegun.
2. Disassemble a MK-19 heavy machinegun.
3. Clean/inspect a MK-19 heavy machinegun.
4. Lubricate a MK-19 heavy machinegun.
5. Assemble a MK-19 heavy machinegun.
6. Perform a function check.
7. Inspect an M3 tripod.
8. Clean an M3 tripod.
9. Lubricate an M3 tripod.
10. Inspect an MK-64/93 cradle.
11. Clean an MK-64/93 cradle.
12. Lubricate an MK-64/93 cradle.
13. Inspect MK-19 SL-3 components.
14. Clean MK-19 SL-3 components.
15. Lubricate MK-19 SL-3 components.

**REFERENCES:**

1. SL-3-08521A Machine Gun, 40mm, MK-19, Mod 3
2. TM 08521A-10/1A Technical Manual, Operator's Manual, Machinegun, 40mm, MK19 MOD 3

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-MK19-1002:** Mount an MK-19 heavy machinegun on an M3 tripod (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 6 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an SL-3 complete MK-19 heavy machinegun, an M3 tripod, and appropriate cradle, while wearing a fighting load.

**STANDARD:** To place the gun into action.

**PERFORMANCE STEPS:**

1. Inspect the MK-19 heavy machinegun and associated components for serviceability.
2. Emplace the M3 tripod in the desired location.
3. Attach the selected cradle to the M3 tripod.
4. Attach the MK-19 heavy machinegun to the cradle.
5. Attach associated components.

**RELATED EVENTS:** 0331-MK19-1003

**REFERENCES:**

1. FM 3-22.27 MK19
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

3. TM 08521A-10/1A Technical Manual, Operator's Manual, Machinegun, 40mm, MK19 MOD 3

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: The following cradles are available: MK64 Cradle & MK93 Cradle. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-MK19-1003: Mount an MK-19 heavy machinegun on a tactical vehicle (B)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an SL-3 complete MK-19 heavy machinegun and a tactical vehicle with an appropriate mount, while wearing a fighting load.

STANDARD: To place the gun into action.

PERFORMANCE STEPS:

1. Inspect the MK-19 heavy machinegun and associated components for serviceability.
2. Attach the selected vehicle mount to the tactical vehicle.
3. Attach the MK-19 heavy machinegun receiver to the vehicle mount.
4. Attach associated components.

RELATED EVENTS: 0331-MK19-1002

REFERENCES:

1. FM 3-22.27 MK19
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 08521A-10/1A Technical Manual, Operator's Manual, Machinegun, 40mm, MK19 MOD 3

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: The following cradles are available: MK64 Cradle & MK93 Cradle. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-MK19-1004: Load an MK-19 heavy machinegun (A)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

BILLET: MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a mounted, SL-3 complete MK-19 heavy machinegun and ammunition, while wearing a fighting load.

**STANDARD:** To place the weapon in Condition 1.

**PERFORMANCE STEPS:**

1. Ensure bolt is forward and weapon is on safe.
2. Raise cover.
3. Insert the first round into the feeder, female link first.
4. Push the round across the primary feed pawl.
5. Move the feed slide assembly to the left.
6. Gently close the cover. (Condition 3) Weapon on safe.
7. Charge the weapon once. (Condition 2, "half-load") Weapon on safe.
8. Charge the weapon again. (Condition 1, "full-load") Weapon on safe.

**RELATED EVENTS:**

0331-MK19-1006                      0331-MK19-1007

**REFERENCES:**

1. FM 3-22.27 MK19
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 08521A-10/1A Technical Manual, Operator's Manual, Machinegun, 40mm, MK19 MOD 3

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
B472 Cartridge, 40mm Dummy M922	10
B542 Cartridge, 40mm HEDP M430/M430A1 Lin	10

**RANGE/TRAINING AREA:**

Facility Code 17610 Grenade Launcher Range  
Facility Code 17620 40MM (Grenade) Machine Gun Qualification Range

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-MK19-1005:** Perform immediate action for an MK-19 heavy machinegun (A)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 6 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an SL-3 complete MK-19 heavy machinegun with a stoppage, while wearing a fighting load.

**STANDARD:** To return the weapon into action.

**PERFORMANCE STEPS:**

1. Announce "MISFIRE." (During peacetime, clear the immediate area of non-essential personnel)
2. Wait ten seconds for possible hang fire.
3. Pull bolt to the rear; catch round as it is ejected.
4. Inspect ejected round for dented primer. If primer is dented place round in dud pit with the projectile facing downrange.
5. Attempt to fire.
6. If weapon fails to fire, place on safe, wait ten seconds.
7. Pull bolt to the rear; catch round as it is ejected.
8. Open cover, unload and clear the weapon, and perform remedial action.

**RELATED EVENTS:**

0331-MK19-1004                      0331-MK19-1007

**REFERENCES:**

1. FM 3-22.27 MK19
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. SL-3-08521A Machine Gun, 40mm, MK-19, Mod 3
4. TM 08521A-10/1A Technical Manual, Operator's Manual, Machinegun, 40mm, MK19 MOD 3

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
B472 Cartridge, 40mm Dummy M922	10

**RANGE/TRAINING AREA:**

Facility Code 17410 Maneuver/Training Area, Light Forces  
Facility Code 17620 40MM (Grenade) Machine Gun Qualification Range

**OTHER SUPPORT REQUIREMENTS:** Expenditure of ammunition is not required for this task.

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Event is instructor/scenario driven. If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-MK19-1006:** Perform remedial action for an MK-19 heavy machinegun (A)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 6 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an SL-3 complete MK-19 heavy machinegun with a malfunction or stoppage not corrected by immediate action, while wearing a fighting load.

**STANDARD:** To return the weapon into action.

**PERFORMANCE STEPS:**

1. Open cover, clear source of ammunition.
2. Disassemble and perform a detailed inspection of weapon and ammunition.
3. Assemble the weapon and perform a function check.

**RELATED EVENTS:**

0331-MK19-1004                      0331-MK19-1006

**REFERENCES:**

1. FM 3-22.27 MK19
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. SL-3-08521A Machine Gun, 40mm, MK-19, Mod 3
4. TM 08521A-10/1A Technical Manual, Operator's Manual, Machinegun, 40mm, MK19 MOD 3

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
B472 Cartridge, 40mm Dummy M922	10

**RANGE/TRAINING AREA:**

Facility Code 17620 40MM (Grenade) Machine Gun Qualification Range  
Facility Code 17410 Maneuver/Training Area, Light Forces

**OTHER SUPPORT REQUIREMENTS:** Expenditure of ammunition is not required for this task. If this equipment is not issued according to Tables of Organization/Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-MK19-1103:** Engage a target with a MK-19 heavy machinegun

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 6 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an SL-3 complete MK-19 heavy machinegun, appropriate limited-visibility sight, and ammunition, while wearing a fighting load.

**STANDARD:** To achieve a hit on a target.

**PERFORMANCE STEPS:**

1. Inspect ammunition
2. Mount the MK-19 on an appropriate mount
3. Assume an appropriate firing position

4. Load the MK-19
5. Set sight to estimated range
6. Aim in on target using organic or attached limited-visibility sight
7. Engage targets and react to fire commands
8. Maintain lubrication during firing
9. Unload and clear the MK-19

**RELATED EVENTS:**

0331-MK19-1109	0331-MK19-1108	0331-MK19-1101
0331-MK19-1102	0331-MK19-1104	

**REFERENCES:**

1. FM 3-22.27 MK19 40MM Grenade Machine Gun MOD 3
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 08521A/09761a-23&p/2a Operator's Manual and Components List, Machinegun, 40mm, MK 19 Mod 3

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
B542 Cartridge, 40mm HEDP M430/M430A1 Lin	96

**RANGE/TRAINING AREA:** Facility Code 17610 Grenade Launcher Range

**OTHER SUPPORT REQUIREMENTS:** Weapons: MK-19 40mm Grenade Machinegun

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-MK19-1106:** Mount a limited-visibility sight on a MK-19 heavy machinegun

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 6 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an SL-3 complete MK-19 heavy machinegun, SL-3 complete limited-visibility sight, while wearing a fighting load.

**STANDARD:** In accordance with the references.

**PERFORMANCE STEPS:**

1. Inspect the limited-visibility sight for serviceability
2. Install the appropriate battery in the limited-visibility sight
3. Mount the limited-visibility sight on the MK-19 heavy machinegun
4. Remove the battery from the limited-visibility sight
5. Remove and store the limited-visibility sight

**RELATED EVENTS:** 0331-MK19-1107



REFERENCES:

1. TM 10091B/10092B-10/1 AN/PAS-13B(V)2 & 3 THERMAL SIGHT

ADMINISTRATIVE INSTRUCTIONS: If this equipment is not issued according to Tables of Organization/Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-MMG-1001: Perform operator maintenance for a medium machinegun and associated components (D)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an SL-3 complete medium machinegun, authorized cleaning gear, and lubricant.

STANDARD: To ensure the weapon is clean and serviceable.

PERFORMANCE STEPS:

1. Clear the weapon.
2. Disassemble the weapon.
3. Clean the weapon.
4. Inspect for serviceability.
5. Lubricate the weapon.
6. Assemble the weapon.
7. Perform a function check.

REFERENCES:

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 08670A-10/1A Operator's Manual, Machinegun, 7.62mm, M240

ADMINISTRATIVE INSTRUCTIONS: If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-MMG-1002: Mount a medium machinegun on an M122 tripod (B)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an SL-3 complete medium machinegun and an M122 tripod, while wearing a fighting load.

**STANDARD:** To place the weapon into action.

**PERFORMANCE STEPS:**

1. Inspect the medium machinegun and associated components for serviceability.
2. Emplace the M122 tripod in the desired location.
3. Attach the medium machinegun receiver to the M122 tripod with provided mount.
4. Attach appropriate associated components.

**RELATED EVENTS:** 0331-MMG-1013

**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 08670A-10/1A Operator's Manual, Machinegun, 7.62mm, M240
4. TM 08670A-14&P/1 Supplement 1, M240G

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-MMG-1003:** Mount a medium machinegun on a tactical vehicle (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 6 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given an SL-3 complete medium machinegun and a tactical vehicle with an appropriate mount, and mounting adaptor, while wearing a fighting load.

**STANDARD:** To place the gun into action.

**PERFORMANCE STEPS:**

1. Inspect the medium machinegun and associated components for serviceability.
2. Attach the appropriate vehicle mount to the tactical vehicle.
3. Attach the mounting adaptor to the medium machinegun.
4. Attach the ammo tray to the selected vehicle mount.

**RELATED EVENTS:** 0331-MMG-1002

**REFERENCES:**

1. FM 21-305 Manual for Wheeled Vehicle Driver
2. FM 3-22.68 Light and Medium machineguns
3. MCWP 3-15.1 Machineguns and Machinegun Gunnery
4. TM 2320-10/6A Truck Utility 1/4 Ton 4X4

**SUPPORT REQUIREMENTS:**

**EQUIPMENT:** Appropriate tactical vehicle and machine gun mounts.

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-MMG-1004:** Load a medium machinegun (cover raised) (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 6 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a mounted, SL-3 complete medium machinegun and ammunition, while wearing a fighting load.

**STANDARD:** To place the weapon in Condition 1.

**PERFORMANCE STEPS:**

1. Clear the weapon.
2. Place the first round against cartridge stop (links facing up).
3. Close cover. (Condition 3)
4. Pull cocking handle to the rear and place the weapon on safe.
5. Return the cocking handle forward. (Condition 1)

**RELATED EVENTS:** 0331-MMG-1005

**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 08670A-10/1A Operator's Manual, Machinegun, 7.62mm, M240
4. TM 08670A-14&P/1 Supplement 1, M240G

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A135 Cartridge, 7.62mm Dummy M63	6

**RANGE/TRAINING AREA:** Facility Code 17581 Machine Gun Field Fire Range

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-MMG-1005:** Change a barrel on a medium machinegun (C)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a loaded medium machinegun, while wearing a fighting load.

STANDARD: To return the weapon into action.

PERFORMANCE STEPS:

1. Pull the bolt to the rear.
2. Place the weapon on safe.
3. Face down and away from the weapon.
4. Raise cover.
5. Remove ammunition.
6. Change barrel.
7. Reload ammunition.
8. Close cover.

RELATED EVENTS: 0331-MMG-1001

REFERENCES:

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A135 Cartridge, 7.62mm Dummy M63	6

RANGE/TRAINING AREA: Facility Code 17580 Machine Gun Transition Range

ADMINISTRATIVE INSTRUCTIONS: If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-MMG-1014: Perform remedial action on a medium machinegun (B)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an SL-3 complete medium machinegun with a malfunction or stoppage not corrected by immediate action, while wearing a fighting load.

STANDARD: To return the weapon into action.

**PERFORMANCE STEPS:**

1. Place weapon on safe.
2. Determine if barrel is hot or cold.
3. If hot, wait 15 minutes for possibility of cook off.
4. If cold, clear weapon.
5. Inspect the weapon and conduct a detailed disassembly, if warranted.
6. Reload weapon.
7. Engage targets.
8. If weapon fails to fire, clear weapon, and evacuate to higher echelon of maintenance.

**PREREQUISITE EVENTS:** 0331-MMG-1013

**RELATED EVENTS:**

0331-MMG-1013                      0331-MMG-1004                      0331-MMG-1005

**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery
3. TM 08670A-10/1A Operator's Manual, Machinegun, 7.62mm, M240

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A135 Cartridge, 7.62mm Dummy M63	6

**ADMINISTRATIVE INSTRUCTIONS:** If this equipment is not issued according to Tables of Organization/Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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**8152-MMG-1101:** Zero a medium machinegun (B)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**BILLET:** MCSF MACHINE GUNNER

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a medium machinegun, ammunition, and a target(s), while wearing a fighting load.

**STANDARD:** To achieve point of aim/point of impact.

**PERFORMANCE STEPS:**

1. De-link nine (9) single rounds and a belt of three (3) rounds.
2. Ensure the rear sight leaf is flipped down for zeroing. Set the sights at 500m (battlesight setting).
3. Put the gun in Condition 1.
4. Lay the gun on the first paster, ensuring that the sights are aligned and at 6 o'clock on the paster.
5. Fire 3 rounds, one round at a time, ensuring that the same 6 o'clock sight

- picture is regained on the paster between shots.
6. Put the gun in Condition 4.
  7. Move downrange to observe the shot group and mark the center of the target.
  8. Measure the lateral and vertical distance between the center of the shot group and the center of the aiming paster.
  9. If the center of the shot group is in the center of the paster, the gun is zeroed.
  10. If the center of the shot group is not in the center of the paster, adjust the front sight as needed.
  11. After adjusting windage and elevation, lower the retaining strap, but do not lock it down until the BZO elevation is confirmed.
  12. Put the gun in Condition 1.
  13. Fire another 3-round shot group (one round at a time) at the same paster.
  14. Put the gun in Condition 4.
  15. Move back downrange to observe the shot group and make appropriate sight adjustments.
  16. Put the gun in Condition 1.
  17. Fire the last 3-round shot group (one round at a time) at the same paster.
  18. Put the gun in Condition 4.
  19. Move back downrange to observe the shot group and make final sight adjustments.
  20. Put the gun in Condition 1.
  21. Confirm the zero by firing a burst of 3 rounds at the second paster.
  22. Once the zero is confirmed, ensure the front sight assembly is snug laterally, and then lock the front sight blade retaining strap down into its detent.
  23. Repeat this procedure for the spare barrel.

**RELATED EVENTS:**

0300-M249-1006                      0331-MMG-1102                      0300-M249-1009

**REFERENCES:**

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

**SUPPORT REQUIREMENTS:**

**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
A131 Cartridge, 7.62mm 4 Ball M80/1 Trace	24

**RANGE/TRAINING AREA:**

Facility Code 17510 Basic 10M-25M Firing Range (Zero)  
Facility Code 17581 Machine Gun Field Fire Range

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** The BZO established in this task should be used for Gunnery Table I (0331-MMG-1106). If this equipment is not issued according to Tables of Organization/ Equipment (TO&E) or employed as a mission requirement, individuals are not required to execute this task.

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8152-MMG-1102: Field zero a medium machinegun (B)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLET: MCSF MACHINE GUNNER

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a medium machinegun, ammunition, and a target at 500 meters, while wearing a fighting load.

STANDARD: To achieve point of aim/point of impact.

PERFORMANCE STEPS:

1. Select a suitable target downrange, preferably at battlesight range - 500 meters.
2. Estimate the range to target.
3. Set the rear sight elevation to the estimated range, and lay the gun on target (sights at 6 o'clock to the target).
4. Fire a 6-round burst while the team leader observes the impacts.
5. Make corrections to the gun by manipulating the T&E until the beaten zone is adjusted onto target.
6. Once the impacts are on target, the gunner maintains his position, ensuring that the lay of the gun remains the same while sight adjustments are made - windage first, and then elevation.
7. Use the front sight adjusting tool to unlock the front sight retaining strap and rotate it upwards.
8. Adjust for windage and elevation.
9. Once elevation is correct, rotate the retaining strap back down , but do not lock it until BZO is confirmed.
10. Fire a 6-round burst for confirmation. If the burst is not on target, the sight adjustment process should be repeated until the beaten zone impacts the target.
11. Once the zero of the primary barrel is confirmed, change barrels and follow the same procedure for field zeroing the spare barrel.

RELATED EVENTS:

0300-M249-1009

0331-MMG-1101

0300-M249-1006

REFERENCES:

1. FM 3-22.68 Light and Medium machineguns
2. MCWP 3-15.1 Machineguns and Machinegun Gunnery

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
A131 Cartridge, 7.62mm 4 Ball M80/1 Trace	48

RANGE/TRAINING AREA:

Facility Code 17580 Machine Gun Transition Range  
Facility Code 17581 Machine Gun Field Fire Range