

Establish Communications

Task: Assemble a ASIPs radio and conduct a radio check using an external handset.

Conditions: You are a member of the team who has been directed to prepare the unit radios for dismounted operations. You are in the Patrol Base preparing to move to the Objective Rally Point.

Standards: Correctly perform all tasks, in sequence, using the proper radio telephone operator (RTO) procedures within three minutes.

Requirements: Assemble the antenna and handset onto the radio. Prepare two channels to be utilized at noted frequencies (CH 1: 36.000, CH 2: 42.500) and send a radio check on your specified net.

Performance Steps:

- (1) Assemble the radio.
 - (a) Antenna.
 - (b) Handset.
- (2) Power on the radio.
- (3) Program the two channels with specified frequencies on SC/PT.
- (4) Change the settings to allow the radio to communicate via handset.
- (5) Radio check. It is a No-Go if the candidate is unable to communicate with the grader on the specified frequency or the candidate uses RTO pronunciation or procedures.

Land Navigation

Task: Plot five points using an eight digit grid on a 1:25,000 map.

Condition: You are a member of a team conducting tactical operations and have a requirement to determine five grid coordinates.

Standard: Determine the correct eight-digit grid on a 1:25,000 map and the major or minor terrain feature at that location within 4 minutes.

Requirements: A protractor and military map. You will be given five, eight-digit grids. You must determine the major or minor terrain feature present at the five, eight-digit grids.

Clear, disassemble, assemble, and perform a functions check on an M240 medium machine gun.

Task: clear, disassemble, assemble, and perform a functions check on an M240 machine gun.

Conditions: You are a member of a team that has just returned from a mission and you have been directed to conduct maintenance on your M240 machine gun.

Standards: Correctly clear and disassemble, assemble and perform a functions check on the M240 machine gun within three minutes. All tasks will be performed in sequence.

Performance steps:

(1) Clear the weapon:

(a) Point weapon in a safe direction. Ensure safety in on FIRE before moving bolt/operating rod assembly.

(b) Pull and hold cocking handle with right hand palm up to rear, ensuring bolt locks completely to rear.

(c) While holding the cocking handle to the rear with right hand palm up (with no tension on the bolt), place the safety to SAFE.

(d) Release the cocking handle assembly to the fully forward and locked position.

(e) Push in feed cover latches, look in a safe direction, raise feed cover, and conduct a four-point safety check for brass/links/ammunition. Check feed pawl assembly under cover. Check feed tray. Lift feed tray and inspect chamber. Check between face of bolt and chamber as well as under bolt/operating rod assembly.

(f) Lower the feed tray and close the feed cover, making sure it locks shut.

(g) Pull and hold the cocking handle with right hand palm up to rear.

(h) While holding the cocking handle to the rear with right hand palm up with no tension on the bolt, place the safety to FIRE.

(i) While fully depressing the trigger, ease the bolt forward with right hand palm up to close and lock. Release the trigger.

(i) Attempt to place the safety to SAFE; safety must not be able to be moved to SAFE.

(2) Disassemble the weapon into the following groups:

(a) Buttstock and buffer assembly

(b) Bolt and operating rod assembly

(c) Driving spring rod assembly

(d) Trigger housing assembly

(e) Barrel assembly; removing heat shield

(f) Cover assembly

(g) Receiver assembly

(3) Assemble the weapon.

(4) Perform a functions check, ensuring the safety is on FIRE before moving the bolt/operating rod assembly.

(a) Pull and hold cocking handle with right hand palm up to rear, ensuring bolt locks completely to rear.

(b) While holding handle to rear with right hand palm up, with no tension on bolt, place on SAFE and depress trigger. Weapon should not fire.

(c) While holding the cocking handle to the rear with right hand palm up, with no tension on the bolt, place the safety to FIRE, and depress the trigger. Ease the bolt forward to close and lock. Release the trigger.

(d) Attempt to place on SAFE; safety must not be able to be moved to SAFE. Close ejection port cover.

Note: Time will stop when the Sapper returns to the standing position with the weapon on the flat surface.

Table B-6. W3 Part I: Maintain an M240B machine gun

PERFORMANCE MEASURES	GO	NO-GO
1. Clear the weapon.		
2. Disassemble the weapon.		
3. Assemble the weapon.		
4. Perform a functions check.		

Clear, disassemble, assemble, and perform a functions check on an M249 machine gun.

- Tasks: Clear, disassemble, assemble, and perform a functions check on an M249 machine gun.
- Conditions: You are a member of a team that has just returned from a mission and you have been directed to conduct maintenance on your M249 machine gun.
- Standards: Correctly clear and completely disassemble, assemble and perform a functions check on the M249 machine gun. All tasks will be performed in sequence.

Performance Steps: Clear the weapon

- (a) Point weapon in a safe direction. Ensure safety in on FIRE before moving bolt/operating rod assembly.
 - (b) Pull and hold cocking handle with right hand palm up to rear, ensuring bolt locks completely to rear.
 - (c) While holding the cocking handle to the rear with right hand palm up (with no tension on the bolt), place the safety to SAFE.
 - (d) Push the cocking handle assembly to the fully forward and locked position.
 - (e) Push in feed cover latches, look in a safe direction, raise feed cover, and conduct a five-point safety check for brass/links/ammunition. Check feed pawl assembly under cover and feed tray. Lift feed tray and inspect chamber. Check between face of bolt and chamber as well as under bolt/operating rod assembly. Check magazine well. Lower the feed tray and close the feed cover, making sure it locks shut.
 - (f) Pull and hold cocking handle with right hand palm up to rear.
 - (g) While holding the cocking handle to the rear with right hand palm up with no tension on the bolt, place the safety to FIRE.
 - (h) While fully depressing the trigger, ease the bolt forward with right hand palm up to close and lock. Release the trigger.
 - (i) Attempt to place the safety to SAFE; safety must not be able to be moved to SAFE.
- (2) Disassemble weapon into the following groups:
- (a) Barrel Assembly
 - (b) Heatshield

- (c) Receiver with Feed Tray and Feed Tray Cover Assembly
 - (d) Buttstock and Buffer Assembly
 - (e) Bolt/Operating Rod Assembly
 - (f) Bolt Carrier Assembly
 - (g) Trigger Mechanism Assembly
 - (h) Bipod Assembly
 - (i) Gas Cylinder Assembly
- (3) Assemble the weapon.
- (4) Perform a functions check: (note, ensure the safety is on FIRE before moving the bolt/operating rod assembly).
- (a) Pull and hold cocking handle with right hand palm up to rear, ensuring bolt locks completely to rear.
 - (b) While holding to rear with right hand palm up, with no tension on bolt, place on SAFE and depress trigger. Weapon should not fire.
 - (c) While holding the cocking handle to the rear with right hand palm up, with no tension on the bolt, place the safety to FIRE, and depress the trigger. Ease the bolt forward to close and lock. Release the trigger.
 - (d) Attempt to place on SAFE; safety must not be able to be moved to SAFE. Close ejection port cover. Time will stop when the Sapper returns to the standing position with the weapon on the flat surface.

Table B-4. W2 Part I: Maintain M249 squad automatic weapon

PERFORMANCE MEASURES	GO	NO-GO
1. Clear the weapon.		
2. Disassemble the weapon		
3. Assemble the weapon		
4. Perform functions check		

Military Explosives and Modernized Demolition Initiators

Task: Tie in a primed block of composition C4 into a line main and identify three modernized demolition initiators correctly.

Condition: You are a member of a team with the mission of tying in military explosives for detonation and identifying the correct MDI to utilize for initiation.

Standard: Tie in a primed block of composition C4 into a line main using one of the three authorized knots for military demolitions within 60 seconds, additionally you will identify the proper MDI used to initiate the line main within 90 seconds.

Requirements: One primed block of composition C4, one line main. You must use one of the three authorized knots for military demolitions (scanman knot, Gregory knot, girth hitch with an extra turn). You will then identify the proper MDI used to initiate the line main.

Performance steps:

- (1) Approach the line main with primed block of composition C4.
- (2) Use one of the three authorized knots to tie-in to the line main (Scan man knot, Gregory knot, girth hitch with extra turn).
- (3) Confirm that they tied it correctly within the 60 second time limit.
- (4) Sappers will be annotated as a Go if tied correctly with an authorized knot within the time limit. They will be annotated as a No-Go if they failed to use an authorized knot, went over the 60 second time limit, or tied the knot incorrectly.
- (5) Identify 2 out of 3 Modernized Demolition Initiators correctly by nomenclature within 90 seconds to receive a Go.

PERFORMANCE MEASURES	GO	NO-GO
1. Used one of the three authorized knots to tie in, correctly tied in.		
2. Correctly identified 2 out of 3 MDI by nomenclature.		

