

Sapper Training Task Checklist

Sapper Training Task (STT)	
Individual Task Number	Task Title
	STT #1: Maintain an M249 Machine Gun
071-COM-4025	Maintain an M249 Machine Gun
	STT #2: Clear, Load, Reduce Stoppage, Unload, and Clear an M249 Machine Gun
071-COM-4027	Load an M249 Machine Gun
071-COM-4028	Unload an M249 Machine Gun
071-COM-4029	Correct Malfunctions of an M249 Machine Gun
	STT #3: Maintain an M240B Machine Gun
171-122-1012	Perform Operator Maintenance on an M240 Series Machine Gun
	STT #4: Clear Load, Reduce Stoppage, Unload, and Clear an M240B Machine Gun
071-025-0003	Load an M240B/M240L Machine Gun
071-025-0004	Unload an M240B/M240L Machine Gun
071-025-0005	Correct Malfunctions of an M240B/M240L Machine Gun
	STT #5: Employ/Recover an M18A1 Claymore Mine (Non-Electric Initiation)
071-325-4427	Employ an M18A1 Claymore Mine
071-325-4426	Recover an M18A1 Claymore Mine
	STT #6: Communicate by Tactical radio
171-300-0063	Operate the Single Channel Ground and Airborne Radio System (SINCGARS) Advanced System Improvement Program (ASIP) Radio
Land Navigation	
Individual Task Number	Task Title
071-COM-1006	Navigate from One Point on the Ground to another Point while Dismounted
071-329-1009	Convert Azimuths
071-329-1004	Determine the Elevation of a Point on the Ground Using a Map
071-329-1014	Locate an Unknown Point on a Map and on the Ground by Intersection
071-329-1015	Locate an Unknown Point on a Map and on the Ground by Resection
071-329-1018	Determine Direction without a Compass
071-COM-1008	Measure Distance on a Map
071-COM-1011	Orient a Map Using a Lensatic Compass
Sapper Physical Fitness Test (SPFT)	
Individual Task Number	Task Title
	Minimum 30 in 2 minutes
	Minimum 5 in 2 minutes
	Maximum Time of 24 minutes
Foot March	
Individual Task Number	Task Title
	Foot March 12 miles with rucksack weighing a minimum of 35lbs (dry weight) and Sapper's individual load in 3hrs or less

Maintain an M249

071-COM-4025-Maintain an M249 Machine Gun

071-COM-4026-Perform a Function Check on an M249 Machine Gun

Task: Clear, Disassemble, Assemble, and Perform a Functions Check on an M249 Machine Gun.

Condition: You are a member of a team that has just returned from a mission and you have been directed to conduct maintenance on your Machine Gun.

Standard: Correctly clear and completely disassemble the M249 Machine Gun, matching the groups with the correct nomenclature within three minutes. Correctly assemble and perform a functions check on the M249 Machine Gun within three minutes. All tasks will be performed in sequence.

Requirements: An M249, on a flat surface, with the bipod legs extended. Starting configuration for weapon will be: free of ammunition, on FIRE, with bolt forward. Basic maintenance tools. Target/safe direction for Candidate to point weapon. Material/flat surface that will prevent Candidate from losing parts to weapon with appropriate nomenclature group labels. Photos of parts with nomenclature labels will be available in training area. Use separate weapon for Part One and Two, ensuring to have enough for your projected number of candidates. As of the date of this publication, ITASKs are not up to date with the latest procedures and a new TM has not been published. TC that replaced the FM no longer covers these procedures. These steps reflect forthcoming changes to the TM from TACOM.

Clear and Disassemble:

**Candidate will start from a standing position with the weapon resting on the flat surface.*

1. Clear the weapon.
 - a. Point weapon in a safe direction. Ensure safety is on FIRE before moving bolt/operating rod assembly.
 - b. Pull and hold, with palm up, cocking handle with right hand to rear, ensuring bolt locks completely to rear.
 - c. While holding the cocking handle to the rear (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, with palm up, the cocking handle assembly with the right hand to the rear.
 - g. While holding the cocking handle to the rear (with no tension on the bolt), place the safety to FIRE.
 - h. While fully depressing the trigger, ease the bolt forward 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, ensuring all parts are on the correct nomenclature labels.
 - a. Driving spring and return rod transfer mechanism assembly. Separated.
 - b. Bolt, slide, and piston assemblies. Separated.
 - c. Heat shield, gas regulator, and barrel.
 - d. Handguard and receiver assembly.
 - e. Buttstock and buffer assembly.

- f. Trigger mechanism assembly.
- g. Gas cylinder.
- h. Bipod.

Time will stop when the Candidate returns to the standing position with all parts of the weapon on the flat surface.

Assemble and Perform a Functions Check:

**Candidate will start from the last position in the previous task.*

1. Assemble the weapon.
2. Perform a functions check. Ensure the safety is on FIRE before moving the bolt/operating rod assembly.
 - a. Pull and hold, with palm up, cocking handle with right hand to rear, ensuring bolt locks completely to rear.
 - b. While holding to rear, 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 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 Candidate returns to the standing position with the weapon on the flat surface.

Operate an M249

071-COM-4025-Maintain an M249 Machine Gun 071-COM-4027-Load an M249 Machine Gun

071-COM-4029-Correct Malfunctions of an M249 Machine Gun 071-COM-4028-Unload an M249 Machine Gun

Task: Clear, load, fire until a stoppage occurs, perform immediate action, expend remaining ammunition, unload, and clear an M249 Machine Gun.

Condition: You are a member of a team conducting combat operations. You have a stoppage while engaging targets with your machine gun.

Standard: Correctly perform all steps, in sequence, within 30 seconds.

Requirements: An M249 Machine Gun and blank adaptor with blank ammunition; at least three good blank rounds, followed by one expended round, and three more good rounds. Starting configuration for the weapon will be: free of ammunition, on FIRE, with the bolt forward. A target/safe direction for the Candidate to point the weapon. The weapon can alternatively be mounted on a vehicle or other type of fighting position. Hearing protection (part of the EIB uniform) must be worn when firing. As of the date of this publication, the ITASKs are not up to date with the latest procedures and the new TM has not been published yet. The TC that replaced the FM no longer covers these procedures. These performance measures reflect the forthcoming changes to the TM as established by TACOM.

**Candidate will start in the prone position not touching the weapon.*

1. Clear the weapon.
 - a. Point weapon in a safe direction. Ensure safety is on FIRE before moving bolt/operating rod assembly.
 - b. Pull and hold, with palm up, cocking handle with right hand to rear, ensuring bolt locks completely to rear.
 - c. While holding the cocking handle to the rear (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 the feed cover latches, look in a safe direction, raise the feed cover, and conduct a five-point safety check for brass, links, or ammunition. Check the feed pawl assembly under the cover. Check the feed tray. Lift the feed tray and inspect the chamber. Check the space between the face of the bolt and the chamber as well as the space under the bolt/operating rod assembly. Check the magazine well. Lower the feed tray.
2. Load the weapon.
 - a. Place link belt on feed tray with the first round against the cartridge stop with the tips of the rounds pointing towards the barrel. Tilt the weapon to the right and/or hold the ammunition belt in place if necessary.
 - b. Close the feed cover. Ensure the latches lock into place. Make sure rounds do not move away from cartridge stop during closing and latching of cover.
3. Place the weapon on FIRE and engage your target.
4. Take immediate action to correct a malfunction. Weapon remains on shoulder while performing immediate action.
 - a. Pull and hold, with palm up, cocking handle with right hand to rear, ensuring bolt locks completely to rear.

- b. Observe ejection port to see if a cartridge case/belt link/round ejects. If not, place on SAFE while holding cocking handle to rear (with no tension on bolt). Return cocking handle to forward and locked position and proceed to clear weapon. If a cartridge/belt link/round ejects, push the cocking handle forward.
- c. Squeeze the trigger and continue mission. Proceed to clear the weapon if it does not fire.

5. Unload and clear the weapon.

- a. Point weapon in a safe direction.
- b. If the bolt is forward, ensure the safety is on FIRE before moving the bolt/operating rod assembly. If the bolt is fully locked to the rear, ensure the safety is on SAFE and proceed to step f.
- c. Pull and hold, with palm up, cocking handle with right hand to rear, ensuring bolt locks completely to rear.
- d. While holding the cocking handle to the rear (with no tension on the bolt), place the safety to SAFE.
- e. Return the cocking handle assembly to the fully forward and locked position.
- f. Push in feed cover latches, look in a safe direction, raise feed cover, and conduct a five-point safety check, per step 1e above. Lower the feed tray and close the feed cover, making sure it locks shut.
- g. Pull and hold, with palm up, the cocking handle assembly with the right hand to the rear.
- h. While holding the cocking handle to the rear (with no tension on the bolt), place the safety to FIRE.
- i. While depressing trigger, ease bolt forward to close and lock. Release trigger. Close ejection port cover.

Maintain an M240

071-025-0001-Maintain an M240B Machine Gun

071-025-0002-Perform a Function Check on an M240B Machine Gun

Task: Clear, Disassemble, Assemble, and Perform a Functions Check on an M240 Machine Gun.

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

Standard: Correctly clear and disassemble the M240 Machine Gun, matching the parts with the correct nomenclature labels within three minutes. Correctly assemble and perform a functions check on the M240 Machine Gun within three minutes. All tasks will be performed in sequence.

Requirements: An M240 Machine Gun, on a flat surface, with the bipod legs extended. Starting configuration for the weapon will be: free of ammunition, on FIRE, with the bolt forward. Basic maintenance tools. A target/safe direction for the Candidate to point the weapon. Material/flat surface that will prevent Candidate from losing parts to weapon. An area for Candidate to place weapons parts with appropriate group nomenclature labels. Photos of parts with nomenclature labels will be available in the training area. Use separate weapon systems for Part One and Two, ensuring to have enough for your projected number of candidates. As of the date of this publication, the ITASKs are not up to date with the latest procedures and a new TM has not been published. The TC that replaced the FM no longer covers these procedures. These performance measures reflect the forthcoming changes to the TM as established by TACOM.

Clear and Disassemble:

**Candidate will start from a standing position with the weapon resting on the flat surface.*

1. Clear the weapon.
 - a. Point weapon in a safe direction. Ensure safety is on FIRE before moving the bolt/operating rod assembly.
 - b. Pull and hold, with palm up, cocking handle with right hand to rear, ensuring bolt locks completely to rear.
 - c. While holding the cocking handle to the rear (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, with palm up, the cocking handle assembly with the right hand to the rear.
 - h. While holding the cocking handle to the rear (with no tension on the bolt), place the safety to FIRE.
 - i. While fully depressing the trigger, ease the bolt forward to close and lock. Release the trigger.
 - j. 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, ensuring all parts are on the correct nomenclature labels:
 - 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. Feed tray.
- h. Receiver assembly.

Time will stop when the Candidate returns to the standing position with all parts of the weapon on the flat surface.

Assemble and Perform a Functions Check:

**Candidate will start from the last position in the previous task.*

1. Assemble the weapon.
2. Perform a functions check, ensuring the safety is on FIRE before moving the bolt/operating rod assembly.
 - a. Pull and hold, with palm up, cocking handle with right hand to rear, ensuring bolt locks completely to rear.
 - b. While holding handle to rear, 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 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 Candidate returns to the standing position with the weapon on the flat surface.

Operate an M240

071-025-0001-Maintain an M240B Machine Gun

071-025-0003-Load an M240B Machine Gun

071-025-0005-Correct Malfunctions of an M240B/M240L Machine Gun

071-025-0004-Unload an M240B Machine Gun

Task: Clear, load, fire until a stoppage occurs, perform immediate action, expend remaining ammunition, unload, and clear an M240 Machine Gun.

Condition: You are a member of a team conducting combat operations. You have a stoppage while engaging targets with your machine gun.

Standard: Correctly perform all steps, in sequence, within 30 seconds.

Requirements: An M240 Machine Gun and blank adaptor with blank ammunition; at least three good blank rounds, followed by one expended/dummy round, and three more good rounds. Starting configuration for the weapon will be: free of ammunition, on FIRE, with the bolt forward. A target/safe direction for the Candidate to point the weapon. The weapon can alternatively be mounted on a vehicle or other type of fighting position. Hearing protection (part of the EIB uniform) must be worn when firing. As of the date of this publication, the ITASKs are not up to date with the latest procedures and the new TM has not been published yet. The TC that replaced the FM no longer covers these procedures. These performance measures reflect the forthcoming changes to the TM as established by TACOM.

**Candidate will start in the prone position not touching the weapon.*

1. Clear the weapon.
 - a. Point weapon in a safe direction. Ensure safety is on FIRE before moving the bolt/operating rod assembly.
 - b. Pull and hold, with palm up, cocking handle with right hand to rear, ensuring bolt locks completely to rear.
 - c. While holding the cocking handle to the rear (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 four-point safety check for brass, links, or 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.
2. Load the weapon.
 - a. Place link belt on feed tray with the first round against the cartridge stop with the tips of the rounds pointing towards the barrel. Tilt the weapon to the right and/or hold the ammunition belt in place if necessary.
 - b. Close feed cover, ensuring latches lock. Ensure rounds do not move from cartridge stop during closing.
3. Place the weapon on FIRE and engage your target.

4. Take immediate action to correct a malfunction. Weapon remains on shoulder while performing immediate action.
 - a. Pull and hold, with palm up, cocking handle with right hand to rear, ensuring bolt locks completely to rear.
 - b. Observe ejection port to see if a cartridge case/belt link/round ejects. If not, place on SAFE while holding cocking handle to rear (with no tension on the bolt). Return cocking handle assembly to forward and locked position and proceed to clear weapon. If something ejects, push the cocking handle forward.
 - c. Squeeze the trigger and continue mission. Proceed to clear the weapon if it does not fire.
5. Unload and clear the weapon.
 - a. Point weapon in a safe direction. If bolt is forward, ensure safety is on FIRE before moving bolt/operating rod assembly. If the bolt is fully locked to the rear, ensure the safety is on SAFE and proceed to step e.
 - b. Pull and hold, with palm up, cocking handle with right hand to rear, ensuring bolt locks completely to rear.
 - c. While holding the cocking handle to the rear (with no tension on the bolt), place the safety to SAFE.
 - d. Return the cocking handle assembly to the fully forward and locked position.
 - e. Push in the feed cover latches, look in a safe direction, raise the feed cover, and conduct a four-point safety check (per step 1e above); lower the feed tray and close the feed cover, making sure it locks shut.
 - f. Pull and hold, with palm up, the cocking handle assembly with the right hand to the rear.
 - g. While holding the cocking handle to the rear (with no tension on the bolt), place the safety to FIRE.
 - h. While depressing trigger, ease bolt forward to close and lock. Release trigger. Close ejection port cover.

M18A1 Claymore Mine (Nonelectric Initiation)

0713254427: Employ an M18A1 Claymore Munition

0713254428: Recover an M18A1 Claymore Mine NonElectric Initiation (NEI) TC 322.23

Task: Employ a Claymore mine. Recover a Claymore mine.

Condition: You are a member of a platoon in a patrol base in a non-CBRNE environment. You have been directed to utilize a Claymore mine to enhance the perimeter defense. There is a known enemy presence.

Standard: Correctly employ and fire a Claymore mine, in sequence, within eight minutes. Correctly recover an unfired Claymore mine, in sequence, within five minutes.

Station Requirements: A training Claymore mine/munition with all basic items of inventory (BII). One wooden stake in the ground/fixed object at the firing position 16-30 meters from mine emplacement location and another at the mine location. Sandbags, trees, or holes in the ground for Candidate to use to test the mine. A ground level target for the Candidate to aim at in front of the mine emplacement location.

Emplace and Fire:

1. Inventory the component: The shock tube assembly with M81 pull initiator and the M7 bandoleer.
2. Select a firing position that offers cover and unobstructed observation of site selected for emplacing munition.
3. Prepare the munition for employment.
 - a. Place the bandoleer on the shoulder or around the neck.
 - b. Ensure that the munition and all accessories are in the bandoleer.
 - c. Walk tactically to the desired location where the munition will be setup.
 - d. Assume a prone position. Remove the munition from the bandoleer.
 - e. Open both pairs of legs to a 45 degree angle with two legs facing front and two legs facing rear.
 - f. Ensure face of munition marked 'FRONT TOWARD ENEMY' and arrows on top point toward enemy.
 - g. Push legs about one-third of the way into ground with the munition facing in the desired direction of fire.

Note: *In windy areas or when legs cannot be pressed into the ground, legs should be spread as far as they will go (about 180 degrees) so that legs are to the front and rear of the mine and the mine will not tip over.*

4. Aim the munition.
 - a. Select an aiming point at ground level in front of the munition.
 - b. Position one eye about six inches to the rear of the sight.
 - (1) On a knife-edge sight, align the two edges of the sight with the aiming point.
 - (2) On slit-type peep sight, align groove of sight in line with aiming point that is two and a half meters off the ground. Aiming point should be in center of the desired area of coverage, with the bottom edge of the peep sight parallel to the ground that is to be covered with the fragment spray.
 - c. Aim the munition by aligning the two edges of the sight with the aiming point.

5. Arm the munition.

- a. Remove the blasting cap from the shock tube assembly.
- b. Secure the shock tube approximately one meter from the blasting cap side of the munition to a stake, a stone, gravel, a sand bag, or another available means.
- c. Hold the blasting cap against the center of the chest with the left hand.
- d. Encircle shock tube at base of the blasting cap with the index finger and thumb of the right hand.
- e. While holding the right hand to the chest, extend the left hand to arm's length, allowing the shock tube to be pulled through the fingers of the right hand.
- f. Lock the elbow and pull all slack from the shock tube.
- g. Place the blasting cap back into the shock tube assembly until ready to arm.
- h. At the one meter mark, fold the shock tube to create a loop with a large enough circumference to go around the chosen stake.
- i. Twist the loop over the index and middle fingers of the right hand.
- j. Push the loop through the circle created during previous step.
- k. Secure shock tube to stake/stone/sandbag/etc.
- l. Unscrew and invert the shipping plug priming adapter nearest to the stake or anchor.
- m. Slide the slotted end of the shipping plug priming adapter onto the shock tube of the blasting cap between the crimped connections and the blasting cap.
- n. Pull the excess shock tube through the slotted end of the adapter until the top of the blasting cap is firmly seated in the bottom portion of the shipping plug priming adapter.
- o. Screw the adapter, with the blasting cap, into the detonator well.
- p. Recheck the aim of the munition to ensure that the point of aim has not changed.
- q. Unwind and camouflage the remaining shock tube while moving tactically back to the firing position.

6. Secure the shock tube to a stake or a fixed object at the firing position.

- a. Remove the pull initiator from the shock tube assembly.
- b. Secure the shock tube approximately one meter from the pull initiator side of the munition to a stake, a stone, gravel, a sand bag, or another available means.
 - (1) Hold the pull initiator against the center of the chest with the left hand.
 - (2) Encircle shock tube at base of pull initiator with the index finger and thumb of the right hand.
 - (3) While holding the right hand to the chest, extend the left hand to arm's length, allowing the shock tube to be pulled through the fingers of the right hand.
 - (4) Lock the elbow, and pull all slack from the shock tube.
 - (5) Place the pull initiator back into the shock tube assembly until ready to fire.
 - (6) At the one meter mark, fold the shock tube to create a loop with a large enough circumference to go around the chosen stake.
 - (7) Twist the loop over the index and middle fingers of the right hand.
 - (8) Push the loop through the circle created during previous step.
 - (9) Secure shock tube to stake/stone/sandbag/etc.

7. Fire the munition.

- a. Seek cover.
- b. Remove the initiator from the shock tube assembly.
- c. Remove the safety pin (cotter pin) on the initiator and place it in the bandoleer for possible use later. Do

not hold the shock tube while firing. This can cause minor burns as the flame burns through the tube.

- d. Alert friendly personnel by announcing "CLAYMORE" twice.
- e. While holding body of the initiator with one hand, insert the index finger of the other hand into the pull ring.
- f. While holding the body of the initiator, turn the pull ring $\frac{1}{4}$ to the right or left. Then, pull the ring sharply.

Recover an Unfired Mine:

1. Disarm the mine.
 - a. Check the initiator to ensure the safety pin is in place, if not:
 - (1) Remove the initiator safety pin from the bandoleer.
 - (2) Align the pull rod safety pin hole with the safety pin hole in the body of the initiator. While holding the body of the initiator, turn the pull ring until the safety pin hole in the pull rod aligns with the safety pin hole in the body of the initiator.
 - (3) Insert the safety pin through the body of the initiator.
 - (4) Gently spread the open ends of the safety pin, just enough to keep the safety pin from falling out.
 - b. Secure the initiator to the shock tube assembly.
2. Recover the mine.
 - a. Remove the shock tube from the stake or anchor at the firing position.
 - b. Walk tactically, wrapping shock tube around shock tube assembly, while moving toward emplaced munition.
 - c. Assume a prone position. Lay the shock tube assembly down by the stake or anchor.
 - d. Observe the munition and surrounding area to check for booby traps and tampering.
 - e. Remove the shipping plug priming adapter from the detonator well.
 - f. Remove the blasting cap and shock tube from the shipping plug priming adapter.
 - g. Place the blasting cap inside the shock tube assembly.
 - h. Invert the shipping plug priming adapter and screw the plug end of the adapter into the detonator well.
 - i. Lift the munition from its emplacement, and secure the folding legs.
 - j. Repack munition in bandoleer. Pick up shock tube assembly and remove shock tube from stake or anchor at munition emplacement site. Wrap the remaining shock tube around the shock tube assembly.
 - k. Repack the shock tube assembly with pull initiator in the bandoleer.
 - l. Move back to the firing position. Ensure that all items are packed in the bandoleer.

Communicate by Tactical Radio

Task: Communicate by Tactical Radio

Test Conditions: You are a member of a team and are given an operational ASIP radio and an operational distant station

Test Standards:

1. Within 5 minutes, the Sapper sends a secure communications check in Single Channel (SC) Mode with distant station.
2. Candidate then sends 10-20 word message using proper radio procedures with 100% accuracy to distant station

Instructions to Candidate:

"I am (Rank and Name) and I will be your grader for Sapper Testing Station Communicate by Tactical Radio. Do you have any questions before you begin?"

"At this station, you are required to send a communications check and an 11 word message in Single Channel (SC) mode with distant station within 5 minutes with 100% accuracy

Example of word message; "Sapper TOC this is Alpha 1-1 request permission to enter the net over"

Do you understand what you must do?"

(If anyone has questions, repeat the instructions but do not elaborate on what you have read.)

Pause five seconds and then say "Begin."

Allow the Sapper to proceed for 5 minutes and then say, "Stop."

Tasks: Communicate by Tactical Radio		
Performance Measures:	Pass	Fail
Communicate by Tactical Radio.		
- Obtained required SC frequencies. - Prepare radio for Single Channel Frequencies loading. - Set mode to SC. - Set FCTN to load. - Set CHAN 1-3. Note: Provide Candidates with 3-Frequencies to load radio in 3- Channels. - Load SC frequencies. - Press FREQ. - Press CLR. - Enter 5 digits SC frequencies. - Store SC frequencies. - Press STO within 7 seconds. - Stored Channels 1-3. - Prepare to Communicate. - Set FCTN to SQ. ON. - Set CHAN to CHAN 1-3. NOTE: Provide Candidate with 1 of 3 Frequencies to call distant station. - Communicate in SC Mode. - Communicated with distant station with radio check. NOTE: Candidate used proper radio procedures with 100% accuracy during radio check. - Sent 10-20 word message using proper radio procedures with 100% accuracy.		
Performed performance measure 1 within 5 minutes using proper radio procedures with 100% accuracy.		

Setting 1: -Channel 1 -Freq 81.000 -Single Channel Plain Text - Power HI - Vol 8

Setting 2: -Channel 2 -Freq 55.000 -Single Channel Plain Text - Power HI - Vol 5

Setting 3: -Channel 3 -Freq 57.900 -Single Channel Plain Text - Power MED -Vol 6

Communicate by MBITR

Tasks:

1. Place MBITR into operation.
2. Load a frequency and properly enter the net.

Test Conditions: Given an MBITR (AN/PRC-148), antenna, hand mic, and battery.

Test Standards:

1. Properly assemble the MBITR and place into operation, correctly load frequency, and settings and enter the net within 4 minutes.

Instructions to Candidate:

"I am (Rank and Name) and I will be your grader for Sapper Testing Station Communicate by MBITR. During this phase of testing, you will be evaluated your ability to communicate using the MBITR. Do you have any questions before you begin?"

"At this station, you are required to send a communications check by requesting permission to enter the net in Single Channel (SC) mode with distant station within 4 minutes.

Example word message; "Sapper TOC this is Alpha 1-1 request permission to enter the net over"

Do you understand what you must do?"

(If anyone has questions, repeat the instructions but do not elaborate on what you have read.)

Pause five seconds and then say "Begin."

Allow the Sapper to proceed for 4 minutes and then say, "Stop."

Tasks: 1. Place MBITR into operation. 2. Load a frequency and properly enter the net.		
Performance Measures:	Pass	Fail
1. Place MBITR Radio into operation		
2. Load a frequency and properly enter the net.		
1. Performed start up procedures 2. Selected desired operating system to be used. 3. Manually programmed radio net information. 4. Communicated within radio net 5. Performed stopping procedures.		

Setting 1: -Channel 1 -Frequency 81.000 -Single Channel -Plain Text -Power 5 watts

Setting 2: -Channel 2 -Frequency 55.000 -Single Channel -Plain Text -Power 5 watts

Setting 3: -Channel 3 -Frequency 57.900 -Single Channel -Plain Text -Power 5 watts