



DEPARTMENT OF THE AIR FORCE
AIR FORCE SECURITY FORCES CENTER

13 Aug 19

MEMORANDUM FOR ALL USAF RANGER ASSESSMENT COURSE (RAC) CANDIDATES

SUBJECT: RAC Course Preparation

1. Commanders at all levels should ensure that USAF Ranger Assessment Course (RAC) candidates are in top physical condition and meet all entrance requirements prior to attending RAC. The Commander's Validation memorandum (Enclosure 1) is signed by the candidate's unit Commander, certifying the candidate's physical readiness, proficiency in common Ranger tasks, medical readiness, preparation of equipment, and completion of all required documentation. Candidates must arrive with all the required equipment and documentation for Day of Training (DOT) 0 of the course or risk being returned to owning unit at unit expense. Authoritative documents for this course are found on AF Portal search for "AFRIT" under tab 17 (Security Forces) with further information on grading criteria in Attachment 8 to AFI 36-2646, *SF Training*.

2. General Pre-requisites.

- a. Be a male or female volunteer from **ANY AFSC**. Be an officer (O-1 and above) or enlisted (E-4 or above).

NOTE: E3s wishing to attend may apply for a rank waiver signed off by the first O-6 in their chain of command submitted to the Program Manager along with the commander's certification letter. E3s must possess no QFIs, have 5 skill level complete, be Duty Position Evaluation (DPE) certified, and possess at least 12 months retainability after course completion. An example waiver can be found at the following link to mirror requirements of Ranger school:

<https://www.benning.army.mil/Infantry/ARTB/Student-Information/Reporting.html>

- b. Physical Readiness. Students must arrive at RAC physically prepared. RAC will assess an individual's physical readiness to successfully complete Ranger Assessment Phase (RAP) week and participate in Ranger training and; 45% of Students fail Ranger School before even getting to the Darby Phase. Critical physical events during RAP week include the Ranger Physical Assessment (RPA), Combat Water Survival Assessment (CWSA), a land navigation test, and a 12-mile ruck march.
- c. Ranger Task Training (RTT). Students must arrive at RAC prepared to successfully complete RTT. RTT will assess an individual's technical ability to operate key weapons systems and equipment in order to participate in Ranger training. Ranger school treats these tasks as one time pass/fail.
- d. Commander Certification. Commanders must certify their Airmen on the common Ranger tasks and physical requirements within 30 days of the Airmen reporting to

the RAC (Enclosure 2). Ranger candidates not certified by their sending unit commander, or failing to provide a memorandum of certification, will not be admitted to the RAC.

3. Medical Readiness.

- a. Must possess a medical examination within 120 days of the class start date certifying the applicant is medically able to attend the RAC. Do not bring original medical records. This must consist of a medical records review and a signed doctors/PA's statement in the remarks section of an AF Form 422, Physical Profile stating:

I HAVE REVIEWED THE MEDICAL RECORDS OF THE ABOVE MENTIONED INDIVIDUAL AND FOUND THAT HE/SHE CAN ENDURE LONG PERIODS OF STANDING AND PHYSICAL TRAINING IN ADVERSE CLIMATIC CONDITIONS, AND THERE ARE NO DISQUALIFYING PHYSICAL OR MEDICAL DEFICIENCIES THAT WOULD PRECLUDE HIM/HER FROM ATTENDING THE RANGER TRAINING AND ASSESSMENT COURSE.

- b. Medical conditions that are disqualifying for admittance into the RAC and the Ranger Course are those requiring the use of chronic medications or regular surveillance, conditions that are on-going without resolution, or any condition that would make the Airman non-deployable.
- c. Female Students may choose to utilize birth control, with the following methods authorized: Intrauterine Devices (Mirena and ParaGard only), Birth Control Pills, Patch and Implant (Nexplanon). Female students using birth control will be required to bring a 1 month supply.
- d. Previous Hot Weather Injuries are prohibited from attending classes between April-October. Previous Cold Weather Injuries are prohibited from attending Ranger classes between October-April.
- e. Candidates who fail to provide required medical documentation will not be admitted.

4. Other Information.

- a. Successful completion of RAC, be it USAF RAC or USA SURT/RAC, is an ETCA directed pre-requisite to obtain a Ranger school slot regardless of AFSC or status (AD, ANG, AFRC).
- b. Students are not required to be Airborne qualified, but are encouraged to attend the Airborne Course prior to attending the Ranger school if passing RAC.
- c. No security clearance is required to attend the Ranger school or RAC.
- d. No additional active duty service obligation (ADSO) is incurred by active commissioned officers for attending the RAC or Ranger school.

- e. No AFSC change or assignment of orders will occur as result of a completion of this course or Ranger school.
- f. Required Equipment. The list is of mandatory equipment for the RAC; **suitable substitutes are not authorized**. As uniforms and equipment may become intermixed during the RAC, items should be marked with the student's initials and last four (4) of their SSN. For current packing list with examples, see link below: <http://www.benning.army.mil/infantry/ARTB/StudentInformation/content/XLS/PackingList.xlsx>
- g. In order to answer questions quickly, the following social media platforms have been created; "Airmen prep for Ranger" Facebook page, and an Instagram page at Airforce _Rangers
- h. Further information on Ranger school can be found at <http://www.benning.army.mil/infantry/ARTB/StudentInformation/>.

5. The POC for this memorandum is the AFSFC Chief of Training at (210) 945-1028 or walter.sorensen@us.af.mil

TROY A. ROBERTS, Col, USAF
Director, Operations and Training

Enclosures (4):

1. Commander's Validation Letter
2. Ranger Prerequisites
3. RPA Narratives
4. Ranger Task Training

Enclosure 1 (Commander's Validation) to RAC Preparation



**DEPARTMENT OF THE AIR FORCE
AIR FORCE SECURITY FORCES CENTER**

EXAMPLE

Date

MEMORANDUM FOR RECORD

SUBJECT: Commander Validation of RAC Prerequisites

1. The individual(s) listed below have been tested and found proficient in the Ranger Tasks and met physical requirements listed on Enclosure 2 (Ranger Prerequisites) to the Commander's Letter:

Name and Rank	Last Four SSN	Pushups Score	Situps Score	Chinups Score	5 mile time	Ruck time
Doe, John SSgt	6789					
Buck, Joe SSgt	9876					

2. Myself or my appointed representative has inspected and confirmed that the above listed Airmen departed with all items and equipment on the Ranger School Packing list and all required documentation.

3. (Inspector must be SSgt or above) MSgt Smith, Snuffy, NCOIC of Training, 999 SFS, inspected and confirmed the above Airmen had all required documents and equipment listed above checked just before departure.

4. The POC for this memorandum is the undersigned at (xxx) xxx-xxxx, or squadron.commander.mil@mail.mil.

FIRST NAME LAST NAME, RANK, USAF
Commander

Enclosure 2 (Ranger Prerequisites) to RAC Preparation

Ranger Task Training (RTT)	
Individual Task Number	Task Title
RTT #1: Maintain an M249 Machine Gun	
071 COM 4025	Maintain an M249 Machine Gun
RTT #2: Clear, Load, Reduce Stoppage, Unload, and Clear an M249	
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
RTT #3: Maintain an M240B Machine Gun	
171 122 1012	Perform Operator Maintenance on an M240 Series Machine Gun
RTT #4: Clear Load, Reduce Stoppage, Unload, and Clear an M240B	
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
RTT #5: Employ/Recover an M18A1 Claymore Mine	
071 325 4427	Employ an M18A1 Claymore Mine
071 325 4426	Recover an M18A1 Claymore Mine
RTT #6: Communicate by Tactical radio	
171 300 0063	Operate the Single Channel Ground and Airborne Radio System (SINCGARS) Advanced System Improvement Program
RTT #7: Communicate by MBITR	
113 100 1138	Operate Multi band Inter/Intra Team Radio (MBITR)
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
RANGER APFT	
Push Ups	Minimum 49 in 2 minutes
Sit Ups	Minimum 59 in 2 minutes
5 Mile Run	Maximum Time of 40 minutes
Chin Ups	Minimum 6, Palms Facing Inward
Combat Water Survival Assessment	
25m swim	Wearing OCPs/ABUs and boots, swim at least 25 meters. Any form may be used, except the back stroke
3m drop	Wearing OCPs/ABUs and boots, enter the water off of a 3 meter platform, show no
Equipment Removal w/15m swim	Wearing OCPs/ABUs and boots, enter the water from pool side, submerge to the depth of four meters, discard weapon and load bearing vest, surface
Foot March	
12 miles with rucksack weighing a minimum of 35lbs (dry weight) and Ranger's individual load in 3hrs or less	

Enclosure 3 (RPA Narratives) to RAC Preparation

1. Army Physical Fitness Test Push Up Narrative

“The push-up event measures the endurance of the chest, shoulder, and triceps muscles. On the command, ‘get set’, assume the front-leaning rest position by placing your hands where they are comfortable for you. Your feet may be together or up to 12 inches apart (measured between the feet). When viewed from the side, your body should form a generally straight line from your shoulders to your ankles. On the command ‘go’, begin the push-up by bending your elbows and lowering your entire body as a single unit until your upper arms are at least parallel to the ground. Then, return to the starting position by raising your entire body until your arms are fully extended. Your body must remain rigid in a generally straight line and move as a unit while performing each repetition. At the end of each repetition, the scorer will state the number of repetitions you have completed correctly. If you fail to keep your body generally straight, to lower your whole body until your upper arms are at least parallel to the ground, or to extend your arms completely, that repetition will not count, and the scorer will repeat the number of the last correctly performed repetition.”

“If you fail to perform the first 10 push-ups correctly, the scorer will tell you to go to your knees and will explain your deficiencies. You will then be sent to the end of the line to be retested. After the first 10 push-ups have been performed and counted, no restarts are allowed. The test will continue, and any incorrectly performed push-ups will not be counted. An altered, front-leaning rest position is the only authorized rest position. That is, you may sag in the middle or flex your back. When flexing your back, you may bend your knees, but not to such an extent that you are supporting most of your body weight with your legs. If this occurs, your performance will be terminated. You must return to, and pause in the correct starting position before continuing. If you rest on the ground or raise either hand or foot from the ground, your performance will be terminated. You may reposition your hands and/or feet during the event as long as they remain in contact with the ground at all times. Correct performance is important. You will have two minutes in which to do as many push-ups as you can. Watch this demonstration”

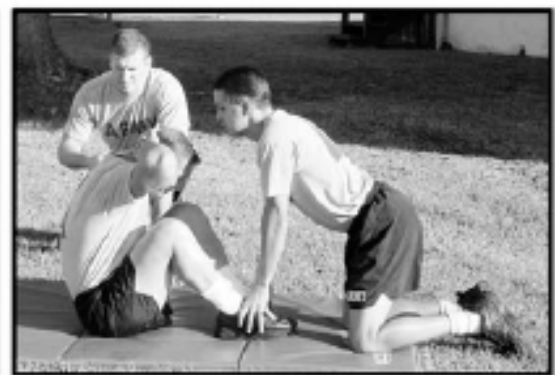


2. Army Physical Fitness Test Sit Up Narrative

“The sit-up event measures the endurance of the abdominal and hip-flexor muscles. On the command ‘get set’, assume the starting position by lying on your back with your knees bent at a 90-degree angle. Your feet may be together or up to 12 inches apart (measured between the feet). Another person will hold your ankles with the hands only. No other method of bracing or

holding the feet is authorized. The heel is the only part of your foot that must stay in contact with the ground. Your fingers must be interlocked behind your head and the backs of your hands must touch the ground. Your arms and elbows need not touch the ground. On the command, 'go', begin raising your upper body forward to, or beyond, the vertical position. The vertical position means that the base of your neck is above the base of your spine. After you have reached or surpassed the vertical position, lower your body until the bottom of your shoulder blades touch the ground. Your head, hands, arms or elbows do not have to touch the ground. At the end of each repetition, the scorer will state the number of sit-ups you have correctly performed. A repetition will not count if you fail to reach the vertical position, fail to keep your fingers interlocked behind your head, arch or bow your back and raise your buttocks off the ground to raise your upper body, or let your knees exceed a 90-degree angle. If a repetition does not count, the scorer will repeat the number of your last correctly performed sit-up. If you fail to perform the first 10 sit-ups correctly, the scorer will tell you to 'stop' and will explain your deficiencies. You will then be sent to the end of the line to be re-tested. After the first 10 sit-ups have been performed and counted, no restarts are allowed. The test will continue, and any incorrectly performed sit-ups will not be counted. The up position is the only authorized rest position."

"If you stop and rest in the down (starting) position, the event will be terminated. As long as you make a continuous physical effort to sit up, the event will not be terminated. You may not use your hands or any other means to pull or push yourself up to the up (rest) position or to hold yourself in the rest position. If you do so, your performance in the event will be terminated. Correct performance is important. You will have two minutes to perform as many sit-ups as you can. Watch this demonstration."



3. Army Physical Fitness Test 5 Mile Run Narrative

"The 5-mile run measures your aerobic fitness and endurance of the leg muscles. You must complete the run without any physical help. At the start, all participants will line up behind the starting line. On the command 'go', the clock will start. You will begin running at your own pace. To run the required 5 miles, you must complete the required 5-mile distance (describe the number of laps, start and finish points, and course layout). You are being tested on your ability to complete the 5-mile course in the shortest time possible. Although walking is authorized, it is strongly discouraged. If you are physically helped in any way (for example, pulled, pushed, picked up and/or carried), or leave the designated running course for any reason, the event will be terminated. It is legal to pace the participant during the 5-mile run as long as there is no physical contact with the paced participant and it does not physically hinder other soldiers taking

the test. The practice of running ahead of, alongside of, or behind the tested soldier while serving as a pacer is permitted. Cheering or calling out the elapsed time is also permitted. Do not stay near the scorers or the finish line as this may interfere with testing”

4. Army Physical Fitness Test Chin Up Narrative

“The chin-up event measures the endurance of the back muscles and the ability to pull the body upward while hanging. On the command ‘prepare to mount the bar”, assume the starting position by standing at the position of attention below the bar, while looking up at the bar. On the command, mount the bar and hang. You will jump and hang from the bar with your palms facing you. On the command, ‘go’, begin pulling your body upwards until your chin passes the horizontal position of the bar. After you have reached or surpassed the vertical position, lower your body until your elbows are in the locked position. At the end of each repetition, the scorer will state the number of chin-ups you have correctly performed. A repetition will not count if you fail to reach the horizontal position, arch or bow your body, bicycle kick your feet, or kip in order to pass the horizontal plane. If a repetition does not count, the scorer will repeat the number of your last correctly performed chin-up. The test will continue until you can no longer maintain hold of the bar. At this time you will drop from the bar, sound off with a loud and thunderous “Ranger” until you are told to carry on and form up with the group. There is no authorized rest position.”

You will have 1 minute to perform as many chin-ups as you can.”

Enclosure 4 (RTT EVALUATION STANDARDS) to RAC Preparation

1. Maintain and perform a function check on an M249 Machine Gun.

Tasks:

1. Maintain an M249 Machine Gun.
2. Perform a function check on an M249 Machine Gun (In Sequence).

Test Conditions:

During daylight, given an M249 Machine Gun

Test Standards:

Within three minutes, correctly clear (In Sequence) and disassemble the M249 Machine Gun into its seven major groups and components.

Within three minutes, correctly assemble the M249 Machine Gun and perform a function check (In Sequence).

Instructions to Rangers:

At this point, you are required to clear (In Sequence), disassemble, assemble, and perform a function check (In Sequence) on the M249 Machine Gun. The purpose of this is to determine your ability to perform operator maintenance on an M249 Machine Gun. You will show the RI that you can clear (In Sequence), disassemble, assemble, and perform a function check (In Sequence) on the weapon. The weapon must pass a function check.”

You have three minutes to clear (In Sequence) and disassemble the M249 Machine Gun into seven major groups and components. Place the disassembled parts on the ground cloth as you remove them.

Pause five seconds and then say “Begin.”

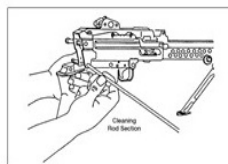
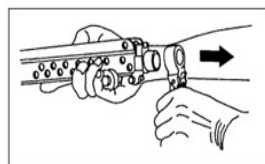
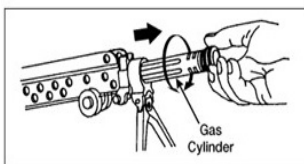
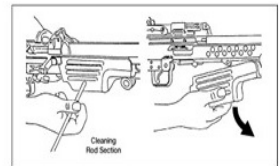
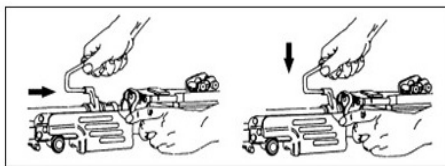
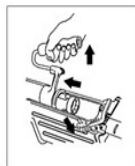
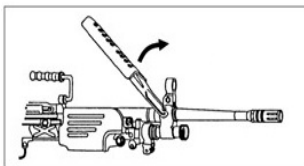
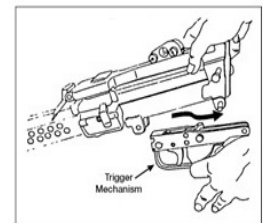
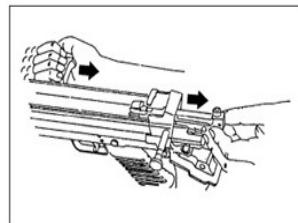
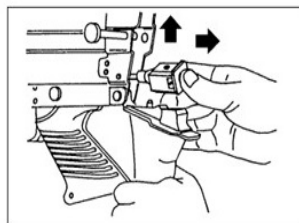
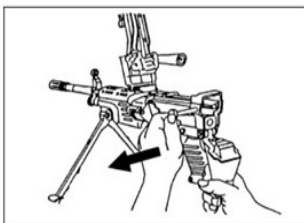
Allow the Rangers to proceed for 3 minutes and then say, “Stop.”

Allow the Rangers to proceed for 3 minutes to reassemble and then say, “Stop.”

Tasks: 1. Maintain an M249 Machine Gun. 2. Perform a function check on an M249 Machine Gun (In Sequence).		
Performance Measures:	Pass	Fail
1. Clear an M249 Machine Gun (In Sequence).		

<ol style="list-style-type: none"> 1. Lock the bolt to the rear by pulling the cocking handle to the rear using your right hand, palm up. 2. Return the cocking handle forward to its locked position using your right hand, palm up. 3. Place the M249 Machine Gun on SAFE. 4. Performs 5 Point Safety Check. <ul style="list-style-type: none"> • Raise the feed tray cover assembly by pushing in the latches and tilting upwards. • (1) Check the feed pawl assembly under the feed cover. • (2) Check the feed tray assembly. • Raise the feed tray assembly by tilting upwards. Raise the feed tray assembly by tilting upwards. • (3) Check the chamber. • (4) Check the space between the face of the bolt and the chamber. • (5) Insert two fingers in the magazine well and feel for brass or ammunition. 5. Lower the feed tray assembly. 6. Close the feed tray cover assembly by lowering it until it locks closed. 7. Move the safety to the fire position. 8. Pull the cocking handle to the rear, squeeze the trigger, and manually ride the bolt forward, and ensure the cocking handle clicks into the locked position using your right, palm up. 		
<p>2. Disassemble the M249 Machine Gun into its seven major groups. NOTE: No hand guards are present (Do not grade in sequence)</p>		
<ul style="list-style-type: none"> • Remove drive spring, return rod and transfer mechanism assembly. • Remove the operating rod, slide assembly, and bolt assembly. • Remove the heat shield. • Remove the barrel. • Remove the buttstock and buffer assembly. • Remove the trigger mechanism. • Remove the gas cylinder. • Remove the bipod. • Place in 7 Major Groups. NOTE: Student points out the major groups with 100% 		
<p>3. Performed performance measures 1 and 2 within 3 minutes.</p>		

Performance Measures:	Pass	Fail
4. Assemble the M249 Machine Gun (Do not grade in sequence).		
<ul style="list-style-type: none"> • Replace the bipod and gas cylinder. • Replace the barrel. • Replace the trigger mechanism. • Replace the buttstock and shoulder assembly. • Replace the operating rod, slide assembly, and bolt assembly. • Replace the spring, return rod, and transfer mechanism assembly. • Replace the buttstock and buffer assembly. 		
5. Perform a function check on an M249 Machine Gun (In Sequence).		
<ol style="list-style-type: none"> 1. Charge the weapon. <ol style="list-style-type: none"> 1. Grasp the cocking handle with the right hand with palm up. 2. Pull the bolt to the rear. 3. Lock bolt to the rear. 2. Continue to hold the cocking handle to the rear. 3. Use your left hand and move the safety to the safe position. 4. Push the cocking handle forward into the forward lock position using your right hand, palm up. 5. Pull the trigger Note: The weapon should not fire. 6. Grasp the cocking handle with the right hand with palm up, and pull and hold it to the rear. 7. Move the safety to the FIRE position. 8. Continue to hold the cocking handle to the rear. 9. Use your left hand to pull the trigger and ease the bolt forward to prevent it from slamming into the chamber and damaging the face of the bolt. 		



2. Clear, Load, Reduce Stoppage, Unload and Clear an M249 Machine Gun

1. Clear an M249 Machine Gun (In Sequence).
2. Load an M249 Machine Gun (In Sequence).
3. Correct malfunctions on an M249 Machine Gun (In Sequence).
4. Unload and clear an M249 Machine Gun (In Sequence).

Test Conditions:

During daylight, given an M249 Machine Gun and blank ammunition with at least two good blank rounds followed by one expended round and then two more rounds.

Test Standards:

Within 30 seconds, clear, load, correct a malfunction, unload, and clear an M249 Machine Gun (In Sequence). Perform performance measures in the prone firing position.

Instructions to Rangers:

At this station you must clear, load an M249 Machine Gun, perform immediate action on an M249 Machine Gun, unload and clear an M249 Machine Gun (In Sequence). The purpose of this test is to determine your ability to clear, load, correct a malfunction, and unload and clear the M249 Machine Gun (In Sequence)."

This point consists of the four tasks. You must pass all four of them to receive a GO. In order to pass a task, you must correctly perform all of the performance measures for that task. If you fail any task at this point, you will retest all of the four tasks.

You will have 30 seconds to clear, load an M249 Machine Gun, perform immediate action on an M249 Machine Gun, and unload and clear an M249 Machine Gun (In Sequence).

When I say "Begin," you will immediately begin by clearing, loading and firing the weapon in the direction, it is now pointed. The belt of ammunition you have by your weapon will produce a malfunction after you fire a few rounds. You must correct the malfunction and continue to fire the weapon. You will then unload and clear the weapon (In Sequence).

You must accomplish all performance measures from the prone firing position.

Tasks: 1. Clear an M249 Machine Gun (In Sequence). 2. Load an M249 Machine Gun (In Sequence). 3. Correct a malfunction on an M249 Machine Gun (In Sequence). 4. Unload and clear an M249 Machine Gun (In Sequence).		
Performance Measures:	Pass	Fail
1. Clear an M249 Machine Gun (In Sequence).		

<ol style="list-style-type: none"> 2. Lock the bolt to the rear by pulling the cocking handle to the rear using your right hand, palm up. 3. Return the cocking handle forward to its locked position using your right hand, palm up. 4. Place the M249 Machine Gun on SAFE. 5. Performs 5 Point Safety Check. 6. Lower the feed tray assembly. 		
<p>2. Load the M249 Machine Gun (In Sequence).</p>		
<ol style="list-style-type: none"> 1. Can the M249 Machine Gun to the right. 2. Place the first round of the belt, with the open side of the links facing downward, in the feed tray groove against the cartridge stop. 3. Hold the ammunition belt in place on the feed tray with your left hand and then close the feed tray cover assembly with your right hand. 4. Place the M249 Machine on FIRE. 5. Squeeze the trigger. 		
<p>3. Take immediate action to correct a failure to fire (In Sequence).</p>		
<p>NOTE: Immediate action is performed to reduce a stoppage without seeking the cause. The M249 remains on your shoulder while performing immediate action procedures. The key word POPS will help remember the steps for immediate action.</p> <ol style="list-style-type: none"> 1. Pull the cocking handle (right hand / palm up) to the rear. 2. Observe the ejection port to see if a cartage case, belt link, or round ejects. 3. Push the cocking handle forward. 4. Squeeze the trigger and fire all remaining rounds. 		
<p>4. Unload and clear an M249 Machine Gun (In Sequence).</p>		
<ol style="list-style-type: none"> 1. Lock the bolt to the rear by pulling the cocking handle to the rear using your right hand, palm up. 2. Return the cocking handle forward to its locked position using your right hand, palm up. 3. Place the M249 Machine Gun on SAFE. 4. Performs 5 Point Safety Check. <ol style="list-style-type: none"> 1. Remove magazine, if present, by pushing down on the magazine release tab and pulling the magazine out. 2. Raise the feed tray cover assembly by pushing in the latches and tilting upwards. <ol style="list-style-type: none"> 1. Check the feed pawl assembly under the feed cover. 2. Check the feed tray assembly. 3. Raise the feed tray assembly by tilting upwards. 5. Check the chamber. 6. Check the space between the face of the bolt and the chamber. Insert two fingers in the magazine well and feel for brass or ammunition. 7. Lower the feed tray assembly. 		

8. Close the feed tray cover assembly by lowering it until it locks closed. 9. Move the safety to the FIRE position. 10. Pull the cocking handle to the rear, squeeze the trigger, and manually ride the bolt forward, and ensure the cocking handle clicks into the locked position using your right, palm up.		
5. Performed performance measures 1 through 4 from the prone firing position.		
6. Performed performance measures 1 through 4 within 30 seconds (In Sequence).		

3. Maintain an M240B Machine Gun

Tasks:

1. Maintain an M240B Machine Gun.
2. Perform a function check on an M240B Machine Gun (In Sequence).

Test Conditions:

During daylight given an M240B Machine Gun.

Test Standards:

Within 3 minutes, correctly clear (In Sequence) and disassemble the M240B Machine Gun into eight major groups.

Within 3 minutes, correctly assemble the M240B Machine Gun and perform a function check (In Sequence).

Instructions to Rangers:

At this station, you are required to clear (In Sequence), disassemble, assemble, and perform a function check (In Sequence) on the M240B Machine Gun. The purpose of this is to determine your ability to perform operator maintenance on an M240B Machine Gun. You will show the RI that you can clear (In Sequence), disassemble, assemble, and perform a function check (In Sequence) on the weapon. The weapon must pass a function check."

You have 3 minutes to clear (In Sequence) and disassemble the M240B Machine Gun into eight major groups and components.

Pause five seconds and then say "Begin."

Allow the Rangers to proceed for 3 minutes and then say, "Stop."

You now have 3 minutes to assemble the M240B Machine Gun and perform a function check (In Sequence).

(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 Rangers to proceed for 3 minutes and then say, “Stop.”

<p>Tasks: 1. Maintain an M240B Machine Gun. 2. Perform a function check on an M240B Machine Gun (In Sequence).</p>		
Performance Measures:	Pass	Fail
1. Clear the M240B Machine Gun (In Sequence).		
<ol style="list-style-type: none"> 1. Lock the bolt to the rear by pulling the cocking handle to the rear using your right hand, palm up. 2. Return the cocking handle forward to its locked position using your right hand, palm up. 3. Place the M240B Machine Gun safety to SAFE position. 4. Open the cover assembly. 5. Check the feed pawl assembly. 6. Check the feed tray assembly. 7. Raise feed tray assembly. 8. Inspect the chamber. 9. Check the space between the face of the bolt and the chamber. 10. Check the space under the bolt and operating rod assembly. 11. Lower feed tray assembly. 12. Close the cover assembly NOTE: Make sure it locks shut. 13. Place the M240B Machine Gun safety to FIRE position. 14. Hold the cocking assembly to the rear using your right hand palm up, depress the trigger, and ease the bolt forward. 		
2. Disassemble the M240B Machine Gun into its eight major groups. (Do not grade in sequence).		
<ol style="list-style-type: none"> 1. Remove the barrel assembly. 2. Remove the trigger housing assembly. 3. Remove the buffer assembly. WARNING: Do not stand behind the weapon while removing the buffer, as the driving spring may be released striking you or others. 4. Remove the driving spring assembly. 5. Remove the bolt and the operating rod assembly. 6. Remove the cover assembly. 7. Butt stock and buffer assembly. 8. Bolt and operating rod assembly. 9. Drive spring rod assembly. 10. Trigger housing assembly. 11. Barrel assembly. 12. Cover assembly. 13. Feed tray assembly. 14. Receiver. 15. Place in 8 Major Groups. NOTE: Student points out the 8 major groups with 100% accuracy. 		
3. Performed performance measures 1 and 2 within 3 minutes.		
4. Assemble the M240B Machine Gun (Do not grade in sequence).		
<ul style="list-style-type: none"> • Install the feed tray assembly. 		

<ul style="list-style-type: none"> • Install the cover assembly. • Insert the cover spring pin. • Open the cover assembly. • Install the bolt and operating rod. • Close the cover assembly. • Install the driving spring assembly. • Install the buffer assembly. • Install the trigger housing. • Insert the trigger spring pin. • Install the barrel 		
5. Perform a function check on an M240B Machine Gun (In Sequence).		
<ol style="list-style-type: none"> 1. Lock the bolt to the rear position by pulling the cocking handle to the rear using your right hand, palm up. 2. Push cocking handle to the forward position until it locks in the forward position using your right hand palm up. 3. Place the M240B Machine Gun safety to SAFE position. 4. Depress the trigger Note: The bolt should not fall. 5. Place the M240B Machine Gun safety to FIRE position. 6. Pull and hold the cocking handle to the rear using your right hand palm up. 7. While holding the cocking handle to the rear, depress the trigger, and ease the bolt forward and locked position. 8. Close the ejection port cover. 		
6. Performed performance measures 4 and 5 within 3 minutes (In Sequence).		

4. Clear, Load, Reduce Stoppage, Unload and Clear an M240B Machine Gun

Tasks:

1. Clear an M240B Machine Gun (In sequence).
2. Load an M240B Machine Gun (In sequence).
3. Correct malfunctions on an M240B Machine Gun (In sequence).
4. Unload and clear an M240B Machine Gun (In sequence).

Test Conditions:

During daylight, given an M240B Machine Gun, a five-round belt of linked 7.62-mm blank ammunition with a dummy round inserted into the belt, and a requirement to expend all rounds in the belt.

Test Standards:

Within 30 seconds, clear, load, correct a malfunction, unload, and clear an M240B Machine Gun (In Sequence). Perform performance measures in the prone firing position.

Instructions to Rangers:

At this station you must clear, load an M240B Machine Gun, perform immediate action on an

M240B Machine Gun, unload and clear an M240B Machine Gun (In sequence). The purpose of this test is to determine your ability to clear, load, correct a malfunction, and unload and clear the M240B Machine Gun (In sequence).”

This point consists of the four tasks. You must pass all four of them to receive a GO. In order to pass a task, you must correctly perform all of the performance measures for that task. If you fail any task at this point, you will retest all of the four tasks.

You will have 30 seconds to clear, load, fire, correct a malfunction, unload, and clear the M240B Machine Gun (In sequence). When I say “Begin,” you will immediately begin by clearing, loading and firing the weapon in the direction, it is now pointed. The belt of ammunition you have by your weapon will produce a malfunction after you fire a few rounds. You must correct the malfunction and continue to fire the weapon. You will then unload and clear the weapon (In sequence).

You must accomplish all performance measures from the prone firing position.

(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 Ranger to proceed for 30 seconds and then say, “Stop.”

Tasks: 1. Clear an M240B Machine Gun (In Sequence). 2. Load an M240B Machine Gun (In Sequence). 3. Correct a malfunction on an M240B Machine Gun (In Sequence). 4. Unload and clear an M240B Machine Gun (In Sequence).		
Performance Measures:	Pass	Fail
1. Clear the M240B Machine Gun (In Sequence).		
<ol style="list-style-type: none"> 1. Lock the bolt to the rear by pulling the cocking handle to the rear using your right hand, palm up. 2. Return the cocking handle forward to its locked position. 3. Place the M240B Machine Gun safety to SAFE position. 4. Open the cover assembly. 5. Check the feed pawl assembly. 6. Check the feed tray assembly. 7. Raise feed tray assembly 8. Inspect the chamber. 9. Check the space between the face of the bolt and the chamber. 10. Check the space under the bolt and operating rod assembly. 11. Lower feed tray assembly. 		
2. Load the M240B Machine Gun (In Sequence).		

<ol style="list-style-type: none"> 1. Position the open side of links in the down position. 2. Place link belt on feed tray with the first round against the cartridge stop and tip of round pointing towards the barrel. 3. Close the cover assembly. 4. Ensure the latches lock into place. <p style="color: red;">CAUTION: Make sure round does not move away from cartridge stop during closing and latching of cover.</p> <ol style="list-style-type: none"> 5. Place the M240B Machine Gun safety to the FIRE position. 6. Squeeze the trigger. 		
<p>3. Take immediate action to correct a failure to fire (In Sequence). NOTE: Immediate action is performed to reduce a stoppage without seeking the cause. The M240B remains on your shoulder while performing immediate action procedures. The key word POPS will help remember the steps for immediate action.</p>		
<ol style="list-style-type: none"> 1. Pull the cocking handle (right hand / palm up) to the rear. 2. Observe the ejection port to see if a cartridge case, belt link, or round ejects. 3. Push the cocking handle forward. 4. Squeeze the trigger and fire all remaining rounds. 		
<p>4. Unload and clear an M240B Machine Gun (In Sequence).</p>		
<ol style="list-style-type: none"> 1. Lock the bolt to the rear by pulling the cocking handle to the rear using your right hand, palm up. 2. Return the cocking handle forward to its locked position. 3. Place the M240B Machine Gun safety to SAFE position. 4. Open the cover assembly. <p style="color: red;">NOTE: Look down and away while opening cover assembly.</p> <ol style="list-style-type: none"> 5. Check the feed pawl assembly. 6. Raise feed tray assembly. 7. Inspect the chamber. 8. Check the space between the face of the bolt and the chamber. 9. Check the space under the bolt and operating rod assembly. 10. Lower feed tray assembly. 11. Close the cover assembly NOTE: Make sure it locks shut. 12. Place the M240B Machine Gun safety to FIRE position. 13. Hold the cocking assembly to the rear, depress the trigger, and ease the bolt forward. 		
<p>5. Performed performance measures 1 through 4 from the prone firing position.</p>		
<p>6. Performed performance measures 1 through 4 within 30 seconds (In Sequence)</p>		

5. M18A1 Claymore Mine

Tasks:

1. Employ an M18A1 Claymore Mine (In sequence).
2. Recover an M18A1 Claymore Mine (In sequence).

Test Conditions:

During daylight, the Candidate is given an M18A1 Claymore Mine (inert), an M57 firing device, an M40 test set, and firing wire with blasting cap (inert), all packed in an M7 bandoleer; an OP position at least 16 meters from the Claymore firing site; a sandbag and two wooden stakes.

Test Standards:

Within 7 Minutes, Employs an M18A1 Claymore Mine (In sequence).

Within 5 Minutes, Recovers an M18A1 Claymore Mine (In sequence).

Instructions to Candidate:

At this point, you must employ and recover an M18A1 Claymore Mine (In sequence). You will prepare to install, simulate firing, and then recover an M18A1 Claymore mine. You have 7 minutes to employ the Claymore Mine (In sequence) and then have 5 minutes to recover an M18A1 Claymore Mine (In sequence) The simulated firing of the Claymore Mine is not timed but is scored.

The RI will tell the Ranger where the mine is to be emplaced, the kill zone, the aiming point, and the firing position.

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 Ranger to proceed for 7 minutes and then say, "Stop."

Instruct the Ranger to fire the Claymore Mine. After he has fired the Claymore Mine, Instruct the Candidate to recover the Claymore Mine

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

Tasks: 1. Employ an M18A1 Claymore Mine (In Sequence). 2. Recover an M18A1 Claymore Mine (In Sequence).		
Performance Measures:	Pass	Fail
1. Employed an M18A1 Claymore Mine (In Sequence).		

<ol style="list-style-type: none"> 1. Conducted Inventory of M18A1 Claymore Mine. 2. Conducted Circuit Test. <ol style="list-style-type: none"> 1.Plugged the firing device into the test set. 2.Actuated firing handle and observes window on test set for flash. 3.Placed a sandbag over blasting cap. 4.Plugged the test set into the fire wire connector. 5.Actuated firing handle and observes window on test set for flash. 6.Placed firing device on SAFE. 7.Replaced shorting plug on the firing wire. 3. Set-up, Aimed, and armed the Claymore Mine. <ol style="list-style-type: none"> 1.Tied the shorting plug end of the firing to the wooden stake at firing position and unrolls wire to mine emplacement site. 2.Carried the firing device during installation of the mine. 3.Aimed the mine within 1-meter left or right of the aiming stake at ground level. 4.Tied off wire at mine site. 5.Armed-Inserted the blasting cap in either detonator well, locks it with the shipping plug Adaptor (Candidate does not touch blasting cap). 6.Rechecked aim of mine. 4. (Students remember ATAR Aimed, Tied, Armed, and Rechecked Aim). 5. Rechecked the circuit. <ol style="list-style-type: none"> 1.Plugged the firing device into the test set. 2.Plugged the firing wire into test set. 3.Actuated firing handle and observes window on test set for flash. 4.Removed M40 test set and replaces shorting plug on firing wire and all dust covers. 		
2. Performed performance measures 1 within 7 minutes (In Sequence).		
3.Fired an M18A1 Claymore Mine (In Sequence).		
<ol style="list-style-type: none"> 1. Placed the firing device bail in SAFE position. 2. Plugged the firing device into the firing wire connector. 3. Assumed a prone position behind cover. 4. Placed firing device bail in FIRE position. 5. Actuated firing handle to fire mine. 		
4. Recovered an M18A1 Claymore Mine (In Sequence).		
<ol style="list-style-type: none"> 1. Checked that firing device bail is on SAFE. 2. Disconnected firing device from wire and replaces dust cover on the shorting plug end of the wire. 3. Removed firing wire from wooden stake and moves to mine. 4. Removed priming adaptor and separated adapter and blasting cap. (Candidate does not touch blasting cap). 5. Screwed shipping plug into detonator well. 6. Placed blasting cap in end of firing wire spool. 7. Removed firing wire from wooden stake and rolls up the firing wire. 8. Placed mine and accessories in bandoleer. 		
5. Performed performance measures 4 within 5 minutes (In Sequence).		

6. Communicate by Tactical Radio

Tasks:

1. 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:

- a. Within 5 minutes, the Ranger sends a secure communications check in Single Channel (SC) Mode with distant station.
- b. 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 Ranger 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; "Darby 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 Ranger to proceed for 5 minutes and then say, "Stop."

Tasks: 1 Communicate by Tactical Radio		
Performance Measures:	Pass	Fail
1. Communicate by Tactical Radio.		

<p>Obtained required SC frequencies.</p> <ul style="list-style-type: none"> • Prepare radio for Single Channel Frequencies loading. • Set mode to SC. • Set FCTN to load. • Set CHAN 1-3. <p>Note: Provide Candidates with 3-Frequencies to load radio in 3-Channels.</p> <p>b. Load SC frequencies.</p> <ul style="list-style-type: none"> • Press FREQ. • Press CLR. • Enter 5 digits SC frequencies. • Store SC frequencies. • Press STO within 7 seconds. • Stored Channels 1-3. <p>c. Prepare to Communicate.</p> <ul style="list-style-type: none"> • Set FCTN to SQ. ON. • Set CHAN to CHAN 1-3. <p>NOTE: Provide Candidate with 1 of 3 Frequencies to call distant station.</p> <ul style="list-style-type: none"> • Communicate in SC Mode. <p>d. Communicated with distant station with radio check.</p> <p>NOTE: Candidate used proper radio procedures with 100% accuracy during radio check.</p> <p>e. Sent 10-20 word message using proper radio procedures with 100% accuracy.</p>		
<p>2. Performed performance measure 1 within 5 minutes using proper radio procedures with 100% accuracy.</p>		

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

7. 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 Ranger 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; “Darby 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 Ranger 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