

Task: Engage Targets with an M16-Series Rifle

Number: 071-311-2007

Effective Date: 2002-May-06

Enlisted MOS:

11B Skill Level 1

11C Skill Level 1

COM Skill Level 1

STP: None

Conditions: Given an M16-series rifle, magazines, ammunition, individual combat equipment, and stationary or moving targets (personnel or equipment) at engageable ranges.

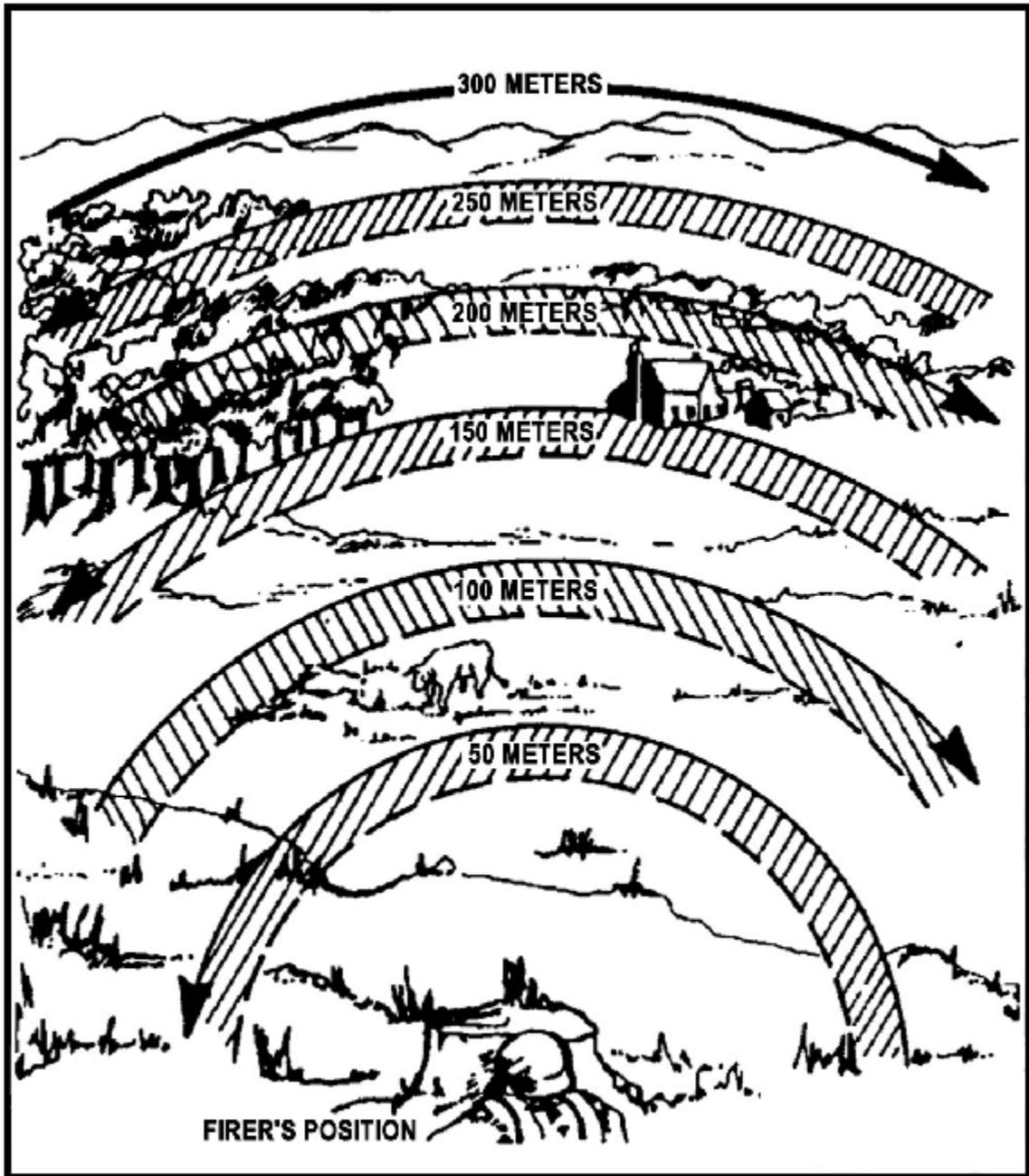
Standards: Detect all stationary or moving targets within assigned sector, use the proper search techniques with no more than 20 percent error, and determine the range to the target with no more than 20 percent error. Hit 60 percent or more of the targets in assigned sector.

Performance Steps

1. Detect targets. Detection of targets depends on your position and skill in search and observation.

NOTE: You may not always be able to select your own position.

- a. Select a position that provides--
 - (1) Natural cover and concealment.
 - (2) Good observation and fields of fire.
- b. Perform a quick check upon taking a position by glancing quickly to specific points throughout your sector.
- c. Perform a systematic search. If you do not identify activity during your quick check, search the terrain in overlapping strips (Figure 1).



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- (1) Look for indications of targets such as--
 - (a) Sound. Sounds, such as footsteps, coughing, vehicles, and equipment noise, provide the general location of a target.
 - (b) Movement. Slow, deliberate movements are harder to detect than faster moving ones.
 - (c) Camouflage. The majority of targets on the battlefield are identified by missing or improper camouflage. Table 1 shows the three areas of camouflage indicators.

CHARACTERISTIC	EXAMPLES
Shine-reflected light.	Metal objects such as belt buckles.
Regularity of outline.	Body, equipment, and vehicle outline
Contrast with background.	A soldier moving across various back grounds.

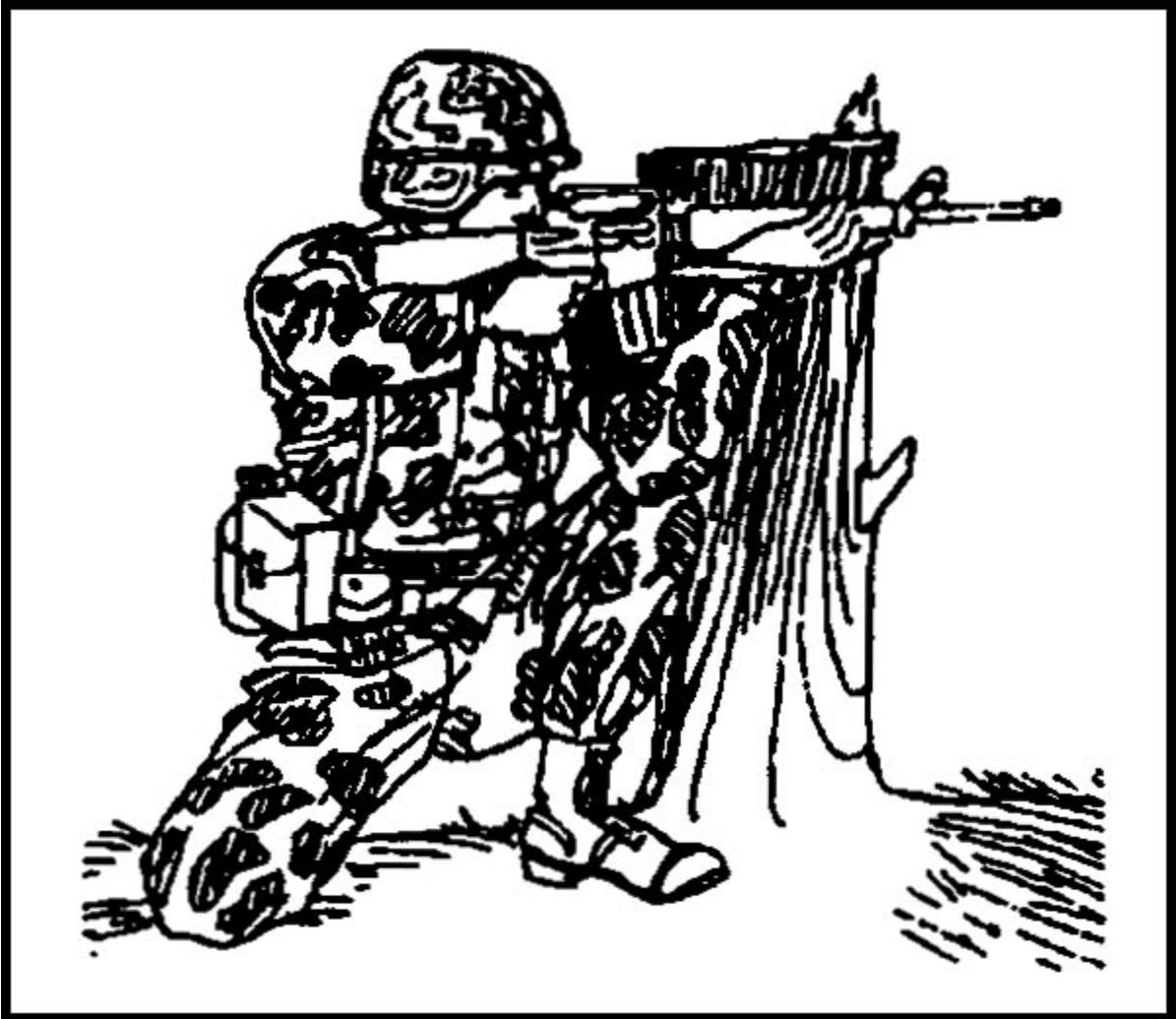
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- (2) Begin with either flank, focusing your eyes on specific points as you search the area (to take advantage of side vision).
- (3) Search a 180-degree arc, 50 meters in depth in front of your position.
- (4) Begin searching a new arc upon reaching the end of the first arc. The second arc is 50 meters in depth and overlaps the first arc.

2. Determine the range to a target. Use your M16-series rifle to estimate the range. Viewed through the front sight, a man-sized target appears--
 - a. Twice the width as the front sight post at approximately 90 meters.
 - b. The same width as the front sight post at approximately 175 meters.
 - c. Half the width of the front sight post at approximately 350 meters.

NOTE: You can use these proportions to estimate other ranges.

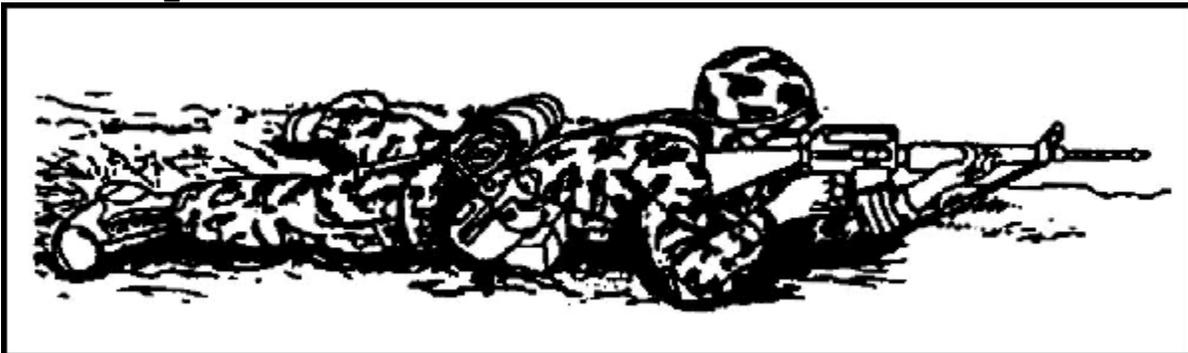
3. Assume the appropriate combat firing position. (Refer to Table 2.) Table 2 lists the advantages and disadvantages of combat firing positions illustrated in Figures 2 through 7.



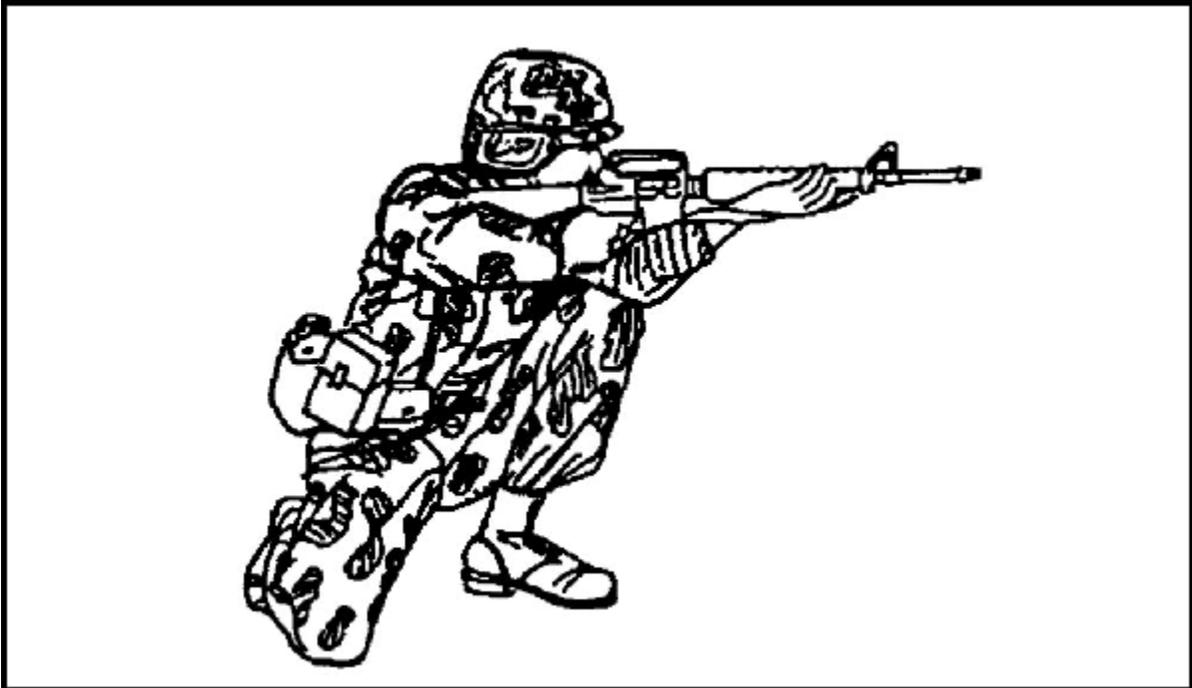
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POSITION	ADVANTAGES	DISADVANTAGES
FOXHOLE (Figure 2)	Best when available.	No overhead cover.
PRONE (Figure 3)	Steady, easy to assume, low silhouette, and easily adapted to use of cover and support.	Effectiveness can be limited by terrain and vegetation irregularities.
PRONE SUPPORTED (Figure 4)	Steadier than prone, other advantages the same as prone.	Same as prone.
KNEELING (Figure 5)	Used when firing from behind something, used on ground that is level or gently sloping upward.	Exposed to small arms fire.
KNEELING SUPPORTED (Figure 6)	Steadier than kneeling. Other advantage, the same as kneeling.	Exposure to small arms fire.
STANDING (Figure 7)	Used in assault to surprise targets or when other positions are not appropriate.	Exposure to small arms fire.

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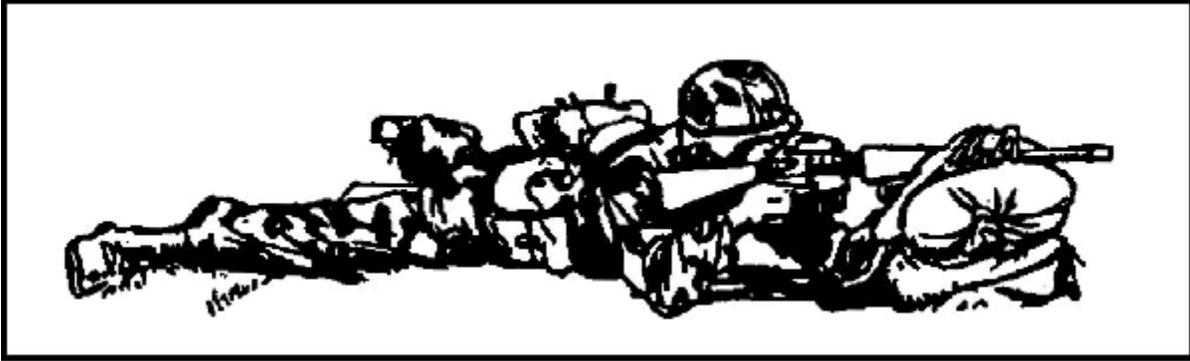
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4. Engage targets as soon as they are detected unless otherwise ordered.
 - a. Use the appropriate aiming technique.
 - (1) Engage a stationary target using reference points or sighting points.
 - (2) Engage a target moving towards you as you would a stationary target.
 - (3) Engage a target moving laterally using the new single-lead technique by placing the trailing edge of the front sight post at the center of the target. This method causes the lead to increase automatically as the range increases.
 - (4) Engage multiple targets (two or more) by first firing at the one presenting the greatest danger (usually the closest) and then rapidly proceeding to next target.
 - b. Use the quick-fire technique when there is no time to properly aim. Use this technique on targets within 30 meters of your location. (This technique is most effective in urban terrain or heavy bush.)
 - (1) Use the standing position.
 - (2) Use the raised stockwell looking 2 or 3 inches above the sights on a plane that is level with the barrel.
 - (3) Look at the target and NOT at the sights.
 - c. Aim the rifle at the target.
 - d. Fire the rifle.

Evaluation Preparation: SETUP: Provide a live-fire range. Provide sufficient quantities of equipment and ammunition to support the number of Soldiers tested. Have each Soldier use his or her own rifle and magazine. Note that a separate range may be used to test the Soldier on target detection and range determination.

NOTE: You can train engagement skills using any and all rifle marksmanship training devices (for example, Weaponeer, Basic Rifle Marksmanship, DVC 07-57). The live-fire evaluation of a Soldier's ability to engage targets requires firing the standard rifle qualification course. The performance of this task for the common task test (CTT) can be done in conjunction with live-fire on the standard rifle qualification course or during a unit weapon qualification firing cycle.

BRIEF SOLDIER: Tell the Soldier to detect and engage targets in his/her sector, and when asked, state the range to the target.

Performance Measures

GO NO GO

1. Assumed a position that provided cover and concealment and good observation.

2. Completed a quick check of your sector within 30 seconds.

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|---|-------|-------|
| 3. Detected all stationary and moving targets in your sector using the appropriate search technique with no more than 20 percent error. | _____ | _____ |
| 4. Determined the range to each target with no more than 20 percent error. | _____ | _____ |
| 5. Assumed the appropriate combat firing position. | _____ | _____ |
| 6. Engaged all targets detected with the appropriate firing technique. | _____ | _____ |
| 7. Hit at least 60 percent of the targets (23 of 40 on the standard qualification course range). | _____ | _____ |

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier scores NO-GO, show the Soldier what was done wrong and how to do it correctly.

References:

Number	Required	Title
FM 21-75	N	Combat Skills of the Soldier
FM 3-22.9	N	Rifle Marksmanship M16A1, M16A2/3, M16A4, and M4 Carbine
FM 44-8	N	Combined Arms For The Air Defense
TM 9-1005-249-10	N	OPERATOR'S MANUAL FOR RIFLE, 5.56-MM, M16; M16A1

Certifications Required: None.

Supporting Individual Tasks: None.

Supported Drills: None.