

RIFLE/MACHINE GUN ZERO RANGE NARRATIVE DESCRIPTION

Purpose: The information in this document is based on TC 25-8 Training Ranges dated 5 April 2004, FCC 17801. This range is used to train individual soldiers on the skills necessary to align the sights and practice basic marksmanship techniques against stationary targets. The range is designed for training Shot-Grouping and Zeroing exercises with the M16 and M4 series rifles as well as crew served machine guns. This range supports night fire operations.

Firing Line: The firing line is 132 meters wide. Firing positions must be provided along the firing line within each lane. The width of the firing position is determined by the type of fighting position chosen for construction. The standard fighting positions are shown in the Civil Details in the Appendix of this document.

Downrange Area:

Layout. Refer to the Layout Details in the Appendix of this document for a typical Rifle/Machine Gun Zero Range layout. Target boot placements must conform as closely as possible to the established distances. Firing positions and targets are on a flat plane +/- 1 degree.

Targets. This range consists of 32 lanes but can be decreased depending upon the troop training requirements at each location. Each lane is 4 meters wide by 25 meters long, with a one-man fighting position at the firing line. All lanes have a target frame booted in the ground at 25m. Alternating lanes have a target frame booted in the ground at 10m.

Primary features include:

- 32 1-man fighting positions
- 32 Target frames at 25m
- 16 Target frames at 10m
- 64 V-notch rifle rest pegs

Targetry: This range requires no automation. All targets are fixed at 25 meters from the firing line for M16/M4 and fixed at 10 meters for machine gun.

Associated Range Operations and Control facilities:

Standard Small Arms ROCA Facilities except:
Range Operations Center (ROC)-Small (17123) replaced by ROC-Tower

Requirement Document:

FM 3-22.9 Rifle Marksmanship M16A1, M16A2/3, M16A4, AND M4 Carbine
FM 3-22.65 Browning Machine Gun, Caliber .50 HB, M2
FM 3-22.68 Crew-Served Machine Guns, 5.56-mm and 7.62-mm

Additional Information: If funds are available, 2-man fighting positions for machine gun crews may be constructed in the lanes that support the 10m machine gun zero.