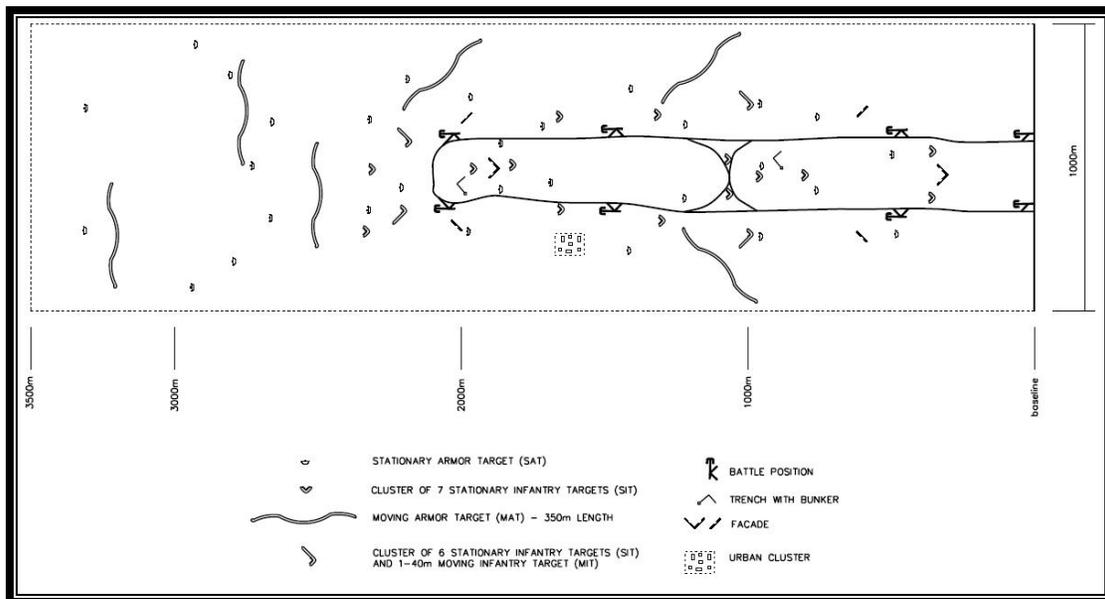


# DIGITAL MULTIPURPOSE TRAINING RANGE (DMPTR) NARRATIVE DESCRIPTION



DMPTR Layout

**Purpose:** The information in this document is based on TC 25-8 Training Ranges (DRAFT) dated 2006, FCC 17859. This complex is used to train and test crews and dismounted infantry squads on the skills necessary to detect, identify, engage and defeat stationary infantry and stationary/moving armor targets in a tactical array. In addition to live-fire, this complex can also be used for training with sub-caliber and/or laser training devices. The complex is specifically designed to satisfy the training and qualification requirements for the crews and sections of armor, infantry and aviation units. This complex also supports dismounted infantry squad tactical live- fire operations either independently of, or simultaneously with, supporting vehicles.

Primary features include:

- 30 Stationary Armor Targets
- 6 Moving Armor Targets
- 14 Stationary Infantry Target (SITs) emplacement clusters. Each cluster consists of 7 SITs
- 4 Stationary Infantry Target emplacement clusters. Each cluster consists of 6 SITs and 1 Moving Infantry Target (MIT)
- 6 Facades; 2 V-shaped, 4 Linear
- 2 Trenches with bunker
- 1 Urban cluster with 7 buildings
- 1 Lane: 2 course roads in 1 lane with midpoint crossover capability
- 8 Defilade firing positions per lane; 4 firing positions per course road

General: The DMPTR occupies an area of ground approximately 1000 meters wide by 3500 meters deep. This area does not include the ROCA facilities. Refer to the Layout Details in the Appendix of this document for a typical DMPTR layout.

Course Roads: The DMPTR has 2 course roads approximately 2000 meters in length. The course roads are separated approximately 200 meters. There are crossover roads near the midpoint of the course roads. Refer to the Civil Details in the Appendix of this document for detailed course road information.

Firing Positions: Each course road has 4 defilade firing positions. The placement of the defilades is based on current gunnery standards, line of site to the targets and terrain. Refer to the Civil Details in the Appendix of this document for detailed defilade firing position information.

Targetry: All targets are fully automated, utilizing event-specific, computer-driven target scenarios and scoring. Targets receive and transmit digital data from the range operations center. The captured data is compiled and is available to the unit for use during the after action review (AAR).

The targetry on the DMPTR is placed in a tactical array that supports the current gunnery training standards. Targets are emplaced based on line of sight from firing positions and from maneuver sections of the course roads.

There are two types of Stationary Infantry Target (SIT) clusters. The first cluster has a set of 7 SITs emplaced in a tactical array. The second cluster has 6 SITs and a Moving Infantry Target (MIT) with a 40 meter movement capability.

The Moving Armor Targets (MATs) have a movement capability of 350 meters and are also capable of evasive movement techniques.

The DMPTR has 6 building facades; 2 are V-shaped and 4 are linear. The V-shaped facades have emplacements for 14 SITs. The linear façades have emplacements for 7 SITs.

The DMPTR also has 2 trenches. Each trench has a bunker. The trench systems are used to train and evaluate dismounted clearing techniques.

The DMPTR has an Urban Cluster containing 5-7 buildings. The typical layout is 5 1-story and 2 2-story structures. The Installation will determine type and number of buildings it requires in order to meet training requirements. These structures are not provisioned to receive targets.

Refer to the Civil Details in the Appendix of this document for detailed information of the targetry on the DMPTR.

## Associated Range Operations and Control facilities:

Standard Armor ROCA Facilities

## Requirement Documents:

FM 3-04.140 Helicopter Gunnery

FM 3-20.8 Scout Gunnery

FM 3-20.12 Tank Gunnery (Abrams)

FM 3-22.1 Bradley Gunnery

**Additional Information:** This complex uses thermal targets, night illumination devices, and hostile-fire, target-kill, and visual flash simulators. Location of the bore sight must be coordinated with the trainer. Gunnery tasks requiring the usage of dud producing ammunition cannot be fired on the complex. Provisions for these tasks must be made in impact areas adjacent to the complex. Hard targets may be positioned in the impact area to facilitate RF/IR signatures for aviation gunnery. However, target equipment will not be provided for every SIT emplacement simultaneously.