

## AUTOMATED FIELD FIRE (AFF) RANGE NARRATIVE DESCRIPTION

**Purpose:** The information in this document is based on TC 25-8 Training Ranges dated 5 April 2004, FCC 17803. The Automated Field Fire (AFF) range is used to train and familiarize soldiers on the skills necessary to identify, engage and hit stationary infantry targets with the M16 & M4 rifles. The training conducted on this range could also be achieved on a modified record fire range. This range supports night fire operations and can also be used for automatic rifle practice.

**Firing Line:** The firing line is 512 meters wide. Firing positions must be provided along the firing line within each lane. Each firing position is 16 meters wide. Firing positions should be on slightly elevated ground and designated with numbered markers. Training requirements include engagements from prone and standing-supported positions. The standard fighting positions are shown in the Civil Details of this document.

### Downrange Area:

**Layout.** Refer to the Layout Details on the Appendix of this document for a typical Automated Field Fire range layout. Target mechanism placements must conform as closely as possible to the established distances, but may vary by  $\pm 1$  meters in order to avoid undesirable locations such as depressions or drainage.

**Targets.** This range consists of 32 lanes but can be decreased to as few as 4 depending upon the troop training requirements at each location. Each lane is 16 meters wide by 300 meters long, with a one-man fighting position at the firing line. A single lane has three fully automated stationary infantry targets at 75m, 175m, and 300m equipped with night muzzle flash simulators that can be used at the determination of the trainer.

### Primary features include:

- 96 Stationary Infantry Targets
- 32 Fighting positions

**Targetry:** All targets are fully automated and the event specific target scenario is computer driven and scored from the range operations center. The range operating system is fully capable of providing immediate performance feedback to the using participants.

### 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, M4 Carbine

Additional Information: This range can be used for automatic rifle practice.