

SIGNAGE - LARGE ARMS

Firing Point Markers: Firing points along tank trails must be indicated with numbered markers in order to identify firing point locations for controllers and provide point cues for target display. These markers must be positioned so that they are concealed from continuous observation by crews. The course should be designed to channel the tank crew into the best (i.e., tactically sound) engagement route for the target arrays on the range.

Trail Markers: At installations where local soil conditions do not require construction of maneuver trails, a system of trail identification for locating firing positions during the training exercise is required. Trail markers are also needed in order to avoid arbitrary maneuvering that can cause environmental damage to the range. The method of marking is determined by the installation. However, since damaged markers must be replaced regularly, cost-effective markers such as semi-buried automobile tires with reflectors or wooden posts with reflectors are recommended.

Range Limit Markers: Limit marker equipment is required for armored and combined type ranges (i.e., TGR, MPTR, MPRC-L, MPRC-H, and AATLF). The limit marker equipment may require red and/or white lighting. If red lighting is required, it will be located on the sign post. If white lighting is required, it will be located so that it shines up onto the actual sign. The limit marker equipment will require the installation of one 120V, 20A, GFCI power receptacle. This receptacle may be located at the bottom of the sign post, on the white light fixture, or on the front wall of the protective berm if the berm is provided with a wall. Marker configuration, size, and electrical loads will be coordinated with the user (range operations officer) in order to determine the needs for



the specific design. For maneuverable ranges no remote control for limit marker will be provided in the ROC. Limit markers on these types of ranges shall receive power from a switch rated circuit breaker located in the target emplacement nearest the limit marker. Boundary and limit marker equipment shall be placed on circuits separate from those serving target equipment. See TC 25-8 for more details. The location of the limit markers are based on target layouts, the range SDZ and any deviations required by the installation.