



ENTRY CONTROL POINT MOVING TARGET (ECPMT)

Meggitt Training System's Entry Control Point Moving Target (ECPMT) provides a realistic view of an approaching vehicle in an entry point scenario. Using convincing target acquisition situations, soldiers are presented a variety of entry control point circumstances. The ECPMT employs state-of-the-art communication and hit sensing to deliver realistic live-fire training situations.

The self-propelled, DC powered mover is guided by a steel track system to simulate a vehicle approaching and negotiating a typical check point. The target carrier initially advances in a straight path before navigating the serpentine course through the jersey barriers leading into the checkpoint.

The ECPMT uses a 3D vehicle; the 3D vehicle target replicates an oncoming truck, and two standard type-E 3D Stationary Infantry Targets (SITs) represent the vehicle driver and passenger. The two SIT silhouettes are visible through the side and front of the vehicle windshield in the exposed position, and each target is capable of independent operation and local hit scoring. When the programmed number of "hits to kill" is scored on either SIT, the targets conceal. When the target representing the vehicle driver conceals or the shooter hits the grill area, the ECPMT stops. Through the use of scenario scripting, the operator can select different engagement requirements for mission success. This includes number of hits to kill the passengers and the vehicle along with vehicle response on hits. As an example, if the passenger is killed the mover could be programmed to stop and start backing up or to continue forward.

The ECPMT vehicle chassis is equipped with a Battle Effects Simulator (BES) interface and mounting bracket that accommodates an OMEGA 36/60 Pyrotechnic Simulator. The Omega 36/60 is scenario controlled to respond to timed events, target hits, or track position. An example would be if the grill of the vehicle is hit smoke will occur, but if the mover completes the course, then it will explode. These lifelike conditions allow for realistic training scenarios and prepare soldiers for real-world battle environments.

Operated by a mobile Hand Held Controller (HHC), the customized, rugged tablet PC features a user-friendly, intuitive interface, shipped pre-installed with Windows Professional and MTS RM10K+ RangeMaster™ range control software. The RM10K+ allows the operator access to all attributes of the mover and both SITs. The HHC is specifically designed for touch screen use, and the HHC hand strap allows portability for the field operator to carry the unit with one hand while entering commands with the other. The ease of use, turn-key solutions and real-life settings make the ECPMT an effective training program addition.

ECPMT Specifications

Specification	Value
Communication System	VHF, UHF
Power Consumption	10,000 watts in motion – 30,000 watts max; dual hot swappable batteries
Standby Power	20 watts max
Carrier Power	48VDC
Dimensions	181 in (460 cm) L x 72 in (183 cm) W x 29.8 in (76 cm) H
Length with Truck Body	194 in (493 cm)
Weight	3,500 lbs (1590 Kg) (includes target and batteries)
Wind	Up to 35 mph
Temperature	-20°F to +120°F (-30°C to +49°C) operating; -40°F to +140°F (-40°C to +60°C) non-operating
Acceleration	15.5 mph (0 – 25 kph) within 10 m
Maximum Speed	20 mph (32 kph)
Decelerates	9 mph (15 kph) thru turns
Op Tempo	7 cycles/hour - 100 cycles/day
Ammo	Up to .50 cal

Examples of Fielded MTS (ECPMT)

