

STRYKER MOBILE GUN SYSTEM TABLETOP ADVANCE GUNNERY TRAINING SYSTEM (MGS TAGTS)



Training Category/Level Utilized:

Engineer/Level 1

Logistic Responsible Command, Service, or Agency:

PEO-STRI

Source and Method of Obtaining:

Not generally available for issue (limited production)

Purpose of Trainer:

The Stryker MGS TAGTS provides virtual gunnery simulation training for MGS crews, MOS 19K. An instructor via a separate instructor/operator station (seen on the right-side of illustration 2), controls the training sessions by selecting gunnery exercise scenarios, and while monitoring each crew's performance, advances the crew through the different reticle aim levels of training to prepare them for their tasks in the actual vehicle.

Functional Description:

The Stryker MGS TAGTS is a crew training device based upon the Stryker MGS AGTS (Training Device 17-261). Using the same operating system software, databases and training exercises, these stand-alone tabletop versions of the full fidelity MGS AGTS trainer provide gunner and vehicle commander training in precision and degraded mode gunnery tasks.

Each Stryker MGS TAGTS consists of a crew station with gunner and vehicle commander control handles; touch-screen control panels replicating actual vehicle control panel switches and controls; flat panel visual displays; an instructor/operator station; and a computer operating system with an aural/audio system and speakers.

The image generator system provides visual presentations to the gunner and commander through the flat screen displays. Stryker MGS TAGTS has the ability to train operational procedures, target acquisition, identification and engagement tasks. The training exercises provide a virtual battlefield environment with stationary / moving, single and multiple target arrays presented in day, night and reduced visibility conditions. Malfunctions and battle

damage are randomly induced in the training exercises. The instructor/operator station monitors the gunner and commander and selection of training scenarios to be conducted, and scores the exercises for evaluation of crew performance and training progression.

Physical Information:

The Stryker MGS TAGTS physically requires a table of (8'L x 30"W x 30"H) for crew station setup, with a separate smaller (6'L x 30"W x 30"H) table for the instructor station and host computer. The trainer uses standard 3-prong, ground-fault protected plugs requiring two 15A receptacles to power the system.

Equipment Required, Not Supplied:

None

Special Installation Requirements:

None

Power Requirements:

The Stryker MGS TAGTS trainer operates on standard 120 VAC, single phase, 50/60 Hz Commercial Site power. The system will tolerate the stated input power, $\pm 1\%$. The trainer uses standard 3-prong, ground-fault protected plugs requiring two 15A receptacles to power the system.

Applicable Publications:

TD 17-6920-721-10, Training System Utilization Handbook (TSUH) Stryker MGS AGTS (Vols. 1-2)
SMM 17-6920-721-24&P, System Maintenance Manual (SMM), Stryker MGS AGTS (Vols. 1-4)

Reference Publications:

TM 9-2355-321-10, Operator's Manual, Stryker Mobile Gun System
FM 3-20.12, Field Manual, Mobile Gun System Gunnery

Training Requirements Supported:

MOSC 19K