# Multi-Purpose Reconfigurable Training System Training Solutions

# EXHIBIT FACT SHEET

The Multi-Purpose Reconfigurable Training System (MRTS) family of trainers provides a virtual training environment simulating a variety of shipboard systems. Each trainer consists of government-owned simulation software running on a stand-alone network of commercial-off-the-shelf (COTS) hardware and software components. A single MRTS hardware trainer can shift between the multiple software simulation applications shown in the accompanying photos within minutes. This capability enables a training command to use one hardware device to give photo-realistic virtual training on several different systems in a single day.

The MRTS trainers are used in both Sailor pipeline courses and in pre-deployment team training. An instructor sets up a training scenario and can insert faults at any stage. The student follows shipboard procedures, interacting with the simulation through touch screens.

## Weapons Launch Console Team Trainer 3D

The MRTS Weapons Launch Console Team Trainer (WLCTT) provides team and individual training scenarios, including weapons handling, Tomahawk missile launch for both vertical and horizontal tubes, and Mk 48 Advanced Capability (ADCAP) torpedo firing for all the supported submarine configurations. The MRTS WLCTT 3D is capable of operating with one instructor and providing refresher and weapons console qualification in a safe and immersive training environment.

*MRTS WLCTT 3D*

*MRTS WLCTT 3D*

## Submarine Communication Support System Trainer

The MRTS Submarine Communications Support System (SCSS) trainer provides 688 Class reconfigurable team and individual communications training. The trainer is customizable to allow a communication team to utilize its boat's communications plan, simulating an actual at-sea scenario.

*MRTS SCSS*

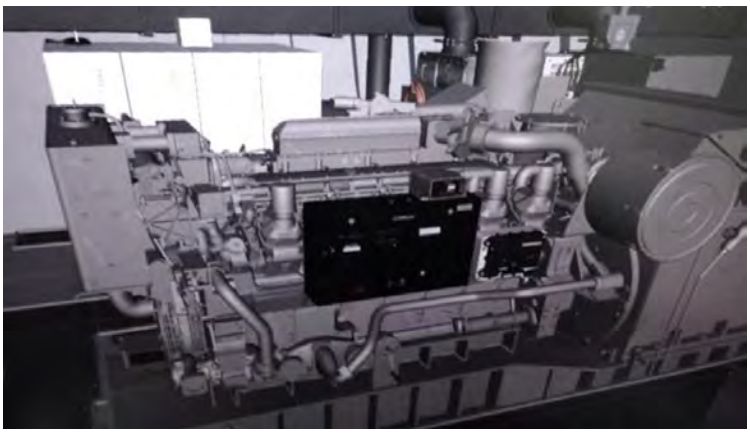
## AN/BLQ-10 Maintenance Trainer

The MRTS AN/BLQ-10 Maintenance Trainer provides the ability to execute corrective maintenance procedures to simulate repair and replacement of specified components of the AN/BLQ-10 system as part of an approved troubleshooting procedure.

*MRTS BLQ-10 Maintenance*

## 3D VIRGINIA Emergency Diesel Generator

The MRTS 3D VIRGINIA Emergency Diesel Generator (EDG) provides a software simulation of the entire VIRGINIA class Auxiliary Machinery Room using advanced graphics with correct component locations. The system enables operator training on all EDG operating and casualty procedures.



*MRTS VIRGINIA EDG*

For further information on this exhibit, or on business opportunities with NAWCTSD, please contact our Business Support Team by telephone at (407) 380-4903, by e-mail at orlo_businesssupportteam@navy.mil, or by mail at Business Support Team, NAWCTSD, 12350 Research Parkway, Orlando, FL 32826.