

Virtual Maintenance Trainer ABRAMS

M1A2 (SEP) Version 3 (V3) Diagnostic and Troubleshooting Trainer (DTT)



The Abrams Diagnostic and Troubleshooting Trainer (DTT) is a virtual training system that utilizes 3D graphics on monitor displays to train field-level maintenance training and diagnostic troubleshooting for the M1A2 SEPV3. Navigation and interaction with the trainer occurs through the keyboard, mouse, and other peripheral devices.

DiSTI designed, manufactured, integrated, tested, and sustains the Diagnostic and Troubleshooting Trainers (DTTs) for the Abrams M1A2 SEPV3. The trainers are an extension of the U.S. Army's Family of Maintenance Trainers product line (FMT-PL).

The trainers have currently been delivered and fielded at The trainers have currently been delivered and fielded at Fort Moore, Fort Gregg-Adams, and Gowan Field.. An export variant of the Abrams M1A2 has also been delivered internationally.

Designed to facilitate skill-level development for U.S. Army Military Occupational Specialty (MOS) tracked vehicle maintainers 91A, 915A, 915E, and 913E, the trainers consist of over 85 lessons, including interactive schematics and Interactive Electronic Technical Manuals (IETMs) covering:

- Abrams M1A2 SEPV3 system operation
- Troubleshooting
- Fault Isolation
- Adjustment
- Inspecting
- Servicing
- Maintaining
- Repairing
- Replacement
- Testing



This includes all the Abrams M1A2 SEPV3 variants, subsystems, and components, as well as removal and replacement of selected Line Replaceable Units (LRUs).

The Abrams DTT hardware, software and lesson design provides a virtual environment to incorporate simulated components, tools, cables, connectors and mounting hardware that accurately reflects the vehicle and functionality.

The DTT trainer functions in four training modes:

- Practice Mode (Free play)
- Individual Tutorial Mode (Student Guided)
- Class Tutorial Mode (Instructor Guided)
- Scored Mode (Testing)

The Abrams DTT training system includes:

- Instructor/Operator Station (IOS)
- Remote IOS (RIOS)
- Training Management System (TMS)
- Student Work Stations (SWS)
- Network attached Storage (NAS)
- Large screen wireless smart touch displays

The instructor is able to control and monitor all student work stations in a classroom simultaneously or individually.

Training can be delivered via:

- Desktop classroom
- Portable laptop
- Secure cloud



About The DiSTI Corporation

When training is mission-critical DiSTI's virtual training is the solution to reduce costs and increase operational efficiency. For over 25 years, DiSTI has been the global authority trusted by Defense companies to build scalable training applications to increase student efficiency and throughput.

Our diverse portfolio includes the U.S. Army, U.S. Air Force, U.S. Navy, U.S. Marine Corps, Air National Guard, along with worldwide array of foreign military partners, organizations and agencies who rely on DiSTI's expertise for the development of their training solutions.