

Integrated Family of Test Equipment (IFTE)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

To enable maintenance, verification, testing, and repair of Army weapon systems and their components; to diagnose, isolate, and repair faults through mobile, general purpose, and automatic test systems.

DESCRIPTION

The Integrated Family of Test Equipment (IFTE) consists of interrelated, integrated, mobile, tactical, and man-portable systems. These rugged, compact, lightweight, general-purpose systems enable verification of the operational status of weapon systems, as well as fault isolation to the line replaceable unit at all maintenance levels, both on and off the weapon system platform. IFTE is a Early Infantry Brigade Combat Team (E-IBCT) Associate Program.

Electro-Optics Test Facility– Version 5 (EOTF-V5)

The EOTF-V5 tests the full range of Army electro-optical systems, including laser transmitters, receivers, spot trackers, forward-looking infrared systems, and television systems. It is

fully mobile with VXI instrumentation, touch-screen operator interface, and an optical disk system for test program software and electronic technical manuals.

Next Generation Automatic Test System (NGATS)

The NGATS is the follow-on reconfigurable, rapidly deployable, automatic test equipment that supports joint operations, reduces logistics footprint, and replaces/consolidates obsolete, unsupported automatic test equipment in the Army's inventory.

Maintenance Support Device– Version 2 (MSD-V2)

The second-generation MSD is a lightweight, rugged, compact, man-portable, general-purpose automatic tester. It is used to verify the operational status of aviation, automotive, electronic, and missile weapon systems and to isolate faulty components for immediate repair or replacement. MSD-V2 hosts Interactive Electronic Technical Manuals, is used as a software uploader/verifier to provide or restore mission software to weapon systems, and supports testing

and diagnostic requirements of current and Future Combat Systems. MSD-V2 supports more than 40 weapon systems and is used by more than 30 military occupational specialties.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **1QFY09:** NGATS limited user test (LUT)
- **1QFY09:** NGATS system development and demonstration (Increment 2)
- **Current:** MSD-V2 production and fielding
- **Current:** EOTF-V5 operations and support

PROJECTED ACTIVITIES

- **3QFY09:** NGATS milestone C
- **4QFY09:** MSD-Version 3 (MSD-V3) contract award
- **4QFY10:** MSD-V3 production and fielding
- **2QFY12:** NGATS first-unit equipped (FUE)



Maintenance Support Device (MSD-V2)



Internal Combustion Engine (ICE)

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

TPS Shelter

ATE Shelter



Automatic Test Equipment (ATE)

Next Generation Automatic Test System – Version 6
(NGATS-V6)

Integrated Family of Test Equipment (IFTE)

FOREIGN MILITARY SALES

MSD:

Australia, Afghanistan, Bahrain, Chile, Djibouti, Egypt, Ethiopia, Germany, Israel, Iraq, Jordan, Korea, Kuwait, Lithuania, Macedonia, Morocco, Netherlands, Oman, Poland, Portugal, Saudi Arabia, Taiwan, Turkey, United Arab Emirates, Uzbekistan, Yemen

CONTRACTORS

MSD-V2:

Science and Engineering Services, Inc. (SESI) (Huntsville, AL)
Vision Technology Miltope Corp. (Hope Hull, AL)

NGATS-V6:

Northrop Grumman (Rolling Meadows, IL)
DRS Technologies (Huntsville, AL)

EOTF-V5:

Northrop Grumman (Rolling Meadows, IL)



Electro-Optics Test Facility – Version 5
(EOTF-V5)



Maintenance Support Device – Version 2
(MSD-V2)

