Integrated Family of Test Equipment (IFTE)

MISSION
Develops, acquires, fields, and sustains automatic test equipment with the capability to troubleshoot, isolate, and diagnose faults, as well as verify the operational status of the weapon system.

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 (LRU) at all maintenance levels, both on and off the weapon system platform. IFTE is an Early Infantry Brigade Combat Team (E-IBCT) Associate Program.

Base Shop Test Facility-Version 3 (BSTF(V)3):
The BSTF(V)3 is an off platform automatic test system that tests electronic LRUs and Shop-Replaceable Units (SRU) of ground and aviation systems.

Electro-Optics Test Facility (EOTF):
The EOTF 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, expeditionary interoperable tester and screener that supports Joint operations, reduces logistics footprint, and replaces/consolidates obsolete, unsupported automatic test equipment in the Army’s inventory.

Maintenance Support Device-Version 3 (MSD-V3):
The latest generation MSD is a lightweight, rugged, compact, man-portable, general-purpose, at platform automatic tester that has a docking station, detachable core tablet, and swivel and touch screen capabilities. 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-V3 hosts Interactive Electronic Technical Manuals and the Digital Logbook, is used as a software uploader/verifier to provide or restore mission software to weapon systems, and supports condition-based maintenance data collection and reporting. MSD-V3 supports more than 50 weapon systems and is used by more than 30 military occupational specialties.

SYSTEM INTERDEPENDENCIES
None

PROGRAM STATUS
• 1QFY11: NGATS Logistics Demonstration
• 2QFY11: MSD-V3 production
• 3QFY11: NGATS PVT
• Current: MSD-V2 fielding
• Current: EOTF operations and support

PROJECTED ACTIVITIES
• 1QFY12: MSD-V3 first unit equipped
• 2QFY14: NGATS first unit equipped
FOREIGN MILITARY SALES
MSD:
Afghanistan, Australia, 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-V3:
Vision Technology Miltope Corp. (Hope Hull, AL)
BSTF(V)3:
Northrop Grumman (Rolling Meadows, IL)
EOTF:
Northrop Grumman (Rolling Meadows, IL)
NGATS:
Northrop Grumman (Rolling Meadows, IL)
DRS-TEM (Huntsville, AL)