

# Integrated Family of Test Equipment (IFTE)

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

### 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 at all maintenance levels, both on and off the weapon system platform. IFTE is a 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 which tests electronic Line Replaceable Units (LRU) 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 Station (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, unsupportable 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 system 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 40 military occupational specialties.

### SYSTEM INTERDEPENDENCIES

None

### PROGRAM STATUS

- **3QFY09:** NGATS Milestone C
- **3QFY09:** NGATS Milestone C low-rate initial production (LRIP)
- **4QFY09:** MSD-V3 contract award
- **1QFY10:** NGATS LRIP
- **Current:** MSD-V2 production and fielding
- **Current:** EOTF operations and support

### PROJECTED ACTIVITIES

- **1QFY11:** MSD-V3 production and fielding
- **2QFY12:** NGATS first unit equipped

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

## Integrated Family of Test Equipment (IFTE)

### 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)



Next Generation Automatic Test Station (NGATS)



Maintenance Support Device-  
Version 3 (Type 1) with docking station



Maintenance Support Device-  
Version 3 (Type 1) laptop only

