

Joint Tactical Ground Stations/Multi-Mission Mobile Processor (JTAGS M3P)

Improves information dominance by providing theater commanders with real-time, space-based information on theater ballistic missiles and other tactical events.



DESCRIPTION AND SPECIFICATIONS

The Joint Tactical Ground Station (JTAGS) is a transportable information processing system that receives and processes in-theater, direct, downlinked data from defense support program (DSP) and follow-on space-based infrared system (SBIRS) satellites. Deployable worldwide, JTAGS disseminates warning, alerting, and cueing information on theater ballistic missiles and other tactical events throughout the theater, using existing communications networks supporting Air and Missile Defense System of Systems.

A JTAGS unit consists of a standard 8-by-8-by-20-foot shelter with mobilizer, external collapsible high-gain antennas, standard military generator, and standard five-ton trucks as prime movers. The system is transportable by C-141 aircraft and can be made operational within hours. For enhanced reliability and survivability during contingency situations, the system will deploy in pairs. Whether under peacetime conditions or during crisis situations, the system conducts joint operations.

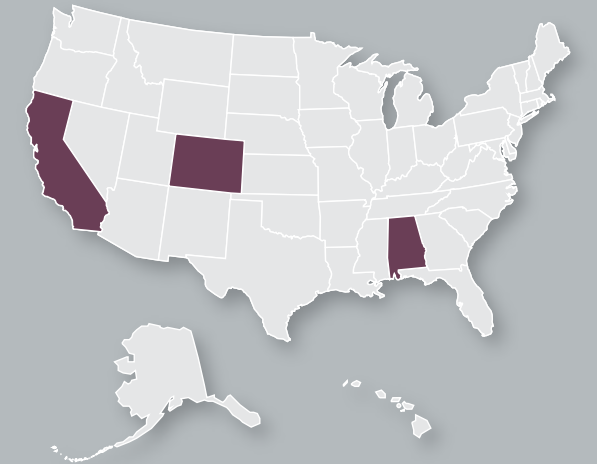
JTAGS preplanned product improvement (P3I) Phase I upgrades, completed in FY00, provide Joint Tactical Information Distribution System (JTIDS) integration and data fusion with other sensors. The P3I Block 1 (FY98-06) upgrades JTAGS to the SBIRS common DSP-only multi-mission mobile processor (DM3P). The P3I Block II (FY06-13) upgrades the DM3P to the SBIRS common geosynchronous M3P (GM3P). A memorandum of agreement between the Army and Air Force Program Executive Offices implemented the joint program development of the SBIRS M3P between the Army JTAGS Product Office and the Air Force SBIRS System Program Office. JTAGS M3P is an Acquisition Category III (ACAT III) joint interest program under the Program Executive Office Air, Space, and Missile Defense.

PROGRAM STATUS

- **3QFY04** Completed integration of DM3P units 4 and 5
- **4QFY04** DM3P climatic and electro-magnetic environmental effects testing completed
- **1QFY05** DM3P interactive electronic training manuals verification completed
- **1QFY05** DM3P maintainability demonstration completed
- **2QFY05** Conduct DM3P development test

PROJECTED ACTIVITIES

- **4QFY05** Conduct DM3P operational test
- **1QFY06** Complete Materiel Readiness Review Board
- **1QFY06** Begin DM3P fielding



CONTRACTORS

Deployment, Production, and P3I Phase I:
GenCorp (Azusa, CA; Colorado Springs, CO)
System Engineering Technical Analysis (SETA)
Support:

Mevatec (Huntsville, AL)

P3I Block I:
Lockheed Martin (Sunnyvale, CA; Boulder, CO)
Northrop Grumman (Azusa, CA)

SETA Support:
BAE Systems (Huntsville, AL)

P3I Block II:
Lockheed Martin (Sunnyvale, CA; Boulder, CO)
Northrop Grumman (Azusa, CA)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- System Development and Demonstration