

TACTICAL EXPLOITATION GROUP

DESCRIPTION

The TEG is the only tactical imagery exploitation system in the Marine Corps. Modular and scalable, the TEG employs a tiered approach. It consists of two echelon-tailored configurations – the TEG-Main (TEG-M) and, the TEG-Remote Workstation (TEG-RWS). The TEG-M receives, exploits, and disseminates national, theater, and tactical imagery. The TEG disseminates exploitation reports and secondary imagery products to the Marine Expeditionary Force commander and subordinate commanders for tactical operations, strike planning, precision targeting, detection and location of targets of opportunity, and battle damage assessment for restrike planning and intelligence assessment. The TEG employs commercial off-the-shelf, government off-the-shelf, and non-developmental item computer hardware and software to enable rapid upgrades and maintain commonality and interoperability with other Marine Corps and joint intelligence and imagery systems. The TEG-RWS is both the exploitation workstation (EWS) in the TEG-M configuration, and can act as a stand-alone imagery EWS suitable for independent operations.

OPERATIONAL IMPACT

The TEG-M provides the capability to receive, process, store, exploit, and disseminate electro-optical (EO) and infrared imagery (IR) from the F/A-18D (RC) Advanced Tactical Airborne Reconnaissance System (ATARS) and synthetic aperture radar (SAR) imagery from the F/A-18D (RC) radar. The TEG-M can also receive EO, IR and SAR imagery from theater resources such as the U-2 Advanced Synthetic Aperture Radar System-2 (ASARS-2) and the Global Hawk unmanned aerial vehicle. The TEG-M can also receive, store, exploit, and disseminate imagery from theater and national input segments. Upgrades will enable the processing of imagery from unmanned aerial vehicles and Super High Accuracy/Resolution Processing Radar (SHARP), as well as other sensor systems.

PROGRAM STATUS

Two of three TEG-M systems have been delivered. The third TEG will be delivered in the third quarter of FY 2004. The Marine Corps Systems Command is implementing a pre-planned product improvement effort for TEG. These improvements, which began in FY 2002, are grouped as incremental upgrades and will occur on alternate years. Incremental Upgrade 2 development was implemented in FY 2003.

PROCUREMENT PROFILE:

During FY 2004-2005, the Marine Corps will complete the fielding of TEG and fund product improvements.

DEVELOPER/MANUFACTURER

Prime Hardware Integrator: Space and Naval Warfare Systems Center, Charleston, SC

Software Integrator: Northrop Grumman, Linthicum, MD

Common Data Link: L3 Communications, Salt Lake City, UT

IPL: BAE Systems, Rancho Bernardo, CA

Communications Support Processor: General Dynamic, Thousand Oaks, CA

