



**OPPOSITE PAGE:** Michael Nifong, chief G-2 Advanced Geospatial Intelligence Node, escorts Air Force GEN C. Robert Kehler, Commander, Air Force Space Command, to a demonstration area. The G-2 AGI Node conducted a joint demonstration with the Air Force Eagle Vision III system at Peterson Air Force Base in Colorado Springs, Colo., Nov. 12-14, to highlight each system's capabilities and the interoperability between the systems. Below: An Air Force Senior Airman, right, presents information to several VIPs to include Peter B. Teets, center, former Air Force undersecretary and director of the National Reconnaissance Office. *Photos by DJ Montoya, USASMDC/ARSTRAT*



The U.S. Army Space Command's Remote Sensing Branch originally built the Mobile Processing, Exploitation and Dissemination system in 1999, for hyperspectral exploitation of data from the Warfighter-1 satellite. The Ford Econoline Van was provided by the Air Force Research Laboratory and U.S. Army Space and Missile Defense Command personnel installed state-of-the-art computer equipment. The system participated in several successful exercises using hyperspectral airborne data as a surrogate for the satellite data. A follow-on High Mobility Multipurpose Wheeled Vehicle (HMMWV)-based system deployed at the start of Operation Iraqi Freedom in support of U.S. Central Command. In 2007, U.S. Northern Command requested that the G-2 Advanced Geospatial Intelligence Node upgrade the computer equipment in the Mobile Processing, Exploitation and Dissemination system to support Defense Support to Civil Authority missions. This was accomplished in 2008 with increased computer capacity as well as a portable Global Broadcasting System receive suite. The Advanced Geospatial Intelligence Node deployed the upgraded system in September 2008 to support U.S. Army North during Hurricane Ike planning and relief operations. The system has a server with 30 TeraBytes of data storage, four laptop workstations, and exploitation software to provide both Basic and Advanced Geospatial Intelligence production.

The Air Force EV III system is one of five Air Force systems. One is stationed in Europe, one is in Hawaii, and three others are in the continental United States. The Army EV III system is stationed in San Diego, Calif., and is part of the 147th Combat

Communications Squadron in the California Air National Guard. The system has the capability to directly downlink data from four commercial satellites, SPOT 2, 4, and 5, and RADARSAT-1. The EV III system has a 2,500 km field of view and from Colorado Springs has the ability to downlink imagery over approximately 75 percent of the continental United States. Future upgrades are expected to add the RADARSAT-2 and the CARTOSAT imaging satellites. The direct downlink capability of EV III allows production centers such as the Mobile Processing, Exploitation and Dissemination system to rapidly acquire commercial satellite imagery in support of Defense Support for Civil Authority missions. Since commercial imagery is unclassified it can be shared with first responders and state and local authorities.

During the demonstration many personnel toured the systems including the commanders of Air Force Space Command and U.S. Northern Command. The result of the demonstration was a greater appreciation for what directly down linked commercial imagery can provide in support of Defense Support to Civil Authority operations when exploited by deployed G-2 Advanced Geospatial Intelligence Node analysts. 

