Lockheed Martin And Harris Corporation Deliver Innovative Video, Geospatial Intelligence Tools To USJFCOM's Empire Challenge 09

Cutting-Edge Intelligence Systems Play Key Role in Major Joint and Coalition Demonstration

Warfighters at Empire Challenge 09 are test-driving next-generation capabilities for managing and analyzing full-motion video feeds, thanks to a set of advanced video and geospatial intelligence technologies delivered by Lockheed Martin and Harris Corporation , an international communications and information technology company. The technologies are playing a key role in Empire Challenge 09, an annual multinational intelligence, surveillance and reconnaissance interoperability demonstration run by the U.S. Joint Forces Command.

"Video and geospatial are two areas that have potential to significantly shape the future of intelligence analysis," said Roger Mann, Director of Advanced Programs for Lockheed Martin Information Systems & Global Services - Intelligence. "Participating in Empire Challenge gives us the opportunity to test out these leading-edge technologies in a real-world environment built around today's most pressing intelligence challenges. The warfighter feedback and analysis results we receive from the activity are invaluable to our efforts to refine and improve these new technologies."

Lockheed Martin's Audacity video analysis and exploitation system, integrated with Harris Corporation's Full-Motion Video Asset Management Engine, or FAME(TM), are managing multiple video streams from a variety of battlefield sensors during the demonstration. The system's integrated archive stores and catalogs digital video clips, making it easy for users to search and organize video feeds. A sophisticated filtering engine within the system allows analysts to tag incoming feeds with key words, locations, names of people or other items of interest, such as vehicle descriptions or license plate numbers. Analysts can set up rules that will alert them when new videos of interest are loaded into the system, helping them filter out those videos most critical to their mission.

"The FAME infrastructure is changing the way video is ingested and streamed to user communities," said Lucius Stone, Director, Government Solutions, Harris Broadcast Communications. "The FAME system is especially important to user communities that view the ability to automate video and audio analysis as critical to the current war fighter environment. The FAME system supports their upgrade paths as they prepare to collect a significantly larger amount of visual imagery from new sensor programs in the near future."

Another of Lockheed Martin's geospatial systems, the Spatial Awareness Fusion Environment (ImSAFE), combines imagery and data from numerous sensors to create detailed, three-dimensional maps of the battlefield. Analysts use ImSAFE to integrate a variety of data sources - including imagery, reports, and sensor feeds - to build a powerful and dynamic situational awareness picture that is ideal for collaborative analysis or mission planning.

Empire Challenge 09 runs July 6 - 31 across a network of bases and command centers including the U.S., the United Kingdom, Canada, Australia and NATO.

Headquartered in Bethesda, Md., Lockheed Martin is a global security company that employs about 146,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. The corporation reported 2008 sales of $42.7 billion.

Harris is an international communications and information technology company serving government and commercial markets in more than 150 countries. Headquartered in Melbourne, Florida, the company has approximately $5 billion of annual revenue and 15,000 employees - including nearly 7,000 engineers and scientists. Harris is dedicated to developing best-in-class assured communications products, systems, and services. Additional information about Harris Corporation is available at www.harris.com.

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