Lockheed Martin Demonstrates Management Of Varied Unmanned Air Vehicles From One Integrated Control System

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DENVER, July 2, 2013 /PRNewswire/ -- During a recent demonstration at NAVAIR, Lockheed Martin (NYSE: LMT) monitored and controlled multiple types of unmanned aerial systems (UAS) from one integrated command and control (C2) system. Controlling both the unmanned air vehicles and their on-board mission system sensors, Lockheed Martin's system fully integrated with other Navy C2 and intelligence, surveillance and reconnaissance (ISR) planning and execution systems to provide operators with one comprehensive mission picture. The demonstration was executed in support of the Navy's upcoming Unmanned Carrier Launched Airborne Surveillance and Strike System (UCLASS) and Common Control System programs.

(Logo: http://photos.prnewswire.com/prnh/20110419/PH85737LOGO-b)

"This demonstration is an important step to fulfilling the Navy's requirement for a Common Control System that leverages multiple architectures from varied operational systems," said Rob Weiss, executive vice president of Advanced Strike and Intelligence and Reconnaissance Systems for Lockheed Martin Aeronautics. "A combined C2 and ISR capability will be essential as the Navy integrates UAS, beginning with UCLASS, into its ISR enterprise. We believe in their vision and this demonstration is an example of our work to reduce risk and make the Common Control System a reality."

During the demonstration, the Lockheed Martin team integrated C2 and ISR systems to provide mission planning, sensor and common operational control for multiple UAS platforms, including Lockheed Martin's UCLASS concept. Using an open architecture framework integrated with DreamHammer's Ballista drone control software and Navy compliant software protocols, a single operator managed multiple UAS platforms simultaneously. The team also used the new Navy Cloud capability to demonstrate control of the ISR sensors and fully integrate the data into one complete mission picture. The team then used this picture to rapidly re-task and re-route the UAS assets. In addition to using DreamHammer's Ballista drone control software in this UCLASS demonstration, Lockheed Martin is teamed with DreamHammer Government Solutions in pursuit of the upcoming Navy Common Control System contract.

"This demonstration underscores the critical role that common command and control systems can play in actual operations by highlighting the ability to enrich the overall ISR picture and increase the speed of decision making," said Jim Quinn, vice president of C4ISR Systems for Lockheed Martin Information Systems and Global Solutions. "An integrated battlespace picture emerges when we link the platforms, sensors, and information collected into one enterprise view that will enable the U.S. Navy to better achieve their C2 and ISR missions."

Lockheed Martin is partnered with the Navy on a variety of programs, including the F-35C, Distributed Information Operations-System and Tactical Tomahawk Weapons Control System. These systems support the convergence of C2 and ISR capabilities, which can increase tactical warfighting ability, reduce footprint and deliver affordable capability in an agile delivery framework.

DreamHammer, headquartered in Santa Monica, California, with field offices inArlington, Virginia, San Diego, California, and Honolulu, Hawaii, and onsite location at the Pentagon inWashington, D.C., is a commercial software company with clients in the military and industrial bases. DreamHammer® and Ballista® are registered trademarks of DreamHammer Products LLC. For more information, visit www.dreamhammer.com.

Headquartered in Bethesda, Md., Lockheed Martin is a global security and aerospace company that employs about 118,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration, and sustainment of advanced technology systems, products, and services. The Corporation's net sales for 2012 were $47.2 billion.

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