Lockheed Martin MUOS Satellite Enters Final Testing Preparing For January Launch

SUNNYVALE, Calif., July 10, 2014 /PRNewswire/ **--** Lockheed Martin [NYSE: LMT] has successfully completed environmental testing of the U.S. Navy's third Mobile User Objective System (MUOS) satellite. It recently cleared thermal vacuum trials, which validate performance in simulated space conditions, and the satellite is now in final check out.

[Download a new high-res image of the third and fourth MUOS satellites here: www.lockheedmartin.com/content/dam/lockheed/data/space/photo/pressrelease/2014/MUOS3 and MUOS4.jpg]

"We are committed to quality, and our rigorous environmental testing regimen ensures this system is ready for the harsh environments of space," said Iris Bombelyn, vice president of Narrowband Communications at Lockheed Martin. "It's important to check out every aspect of the satellite at this stage so we can prepare it for service. We are on track for delivering the third MUOS satellite to the Navy this year."

The Navy plans to launch this addition to the constellation in January 2015.

The MUOS satellite was stressed at extreme hot and cold temperatures in a vacuum at Lockheed Martin's Dual Entry Large Thermal Altitude chamber, simulating the environments the satellite will experience throughout its mission life.

The satellites are equipped with a wideband code division multiple access (WCDMA) payload that leverages commercial cell phone technology. MUOS provides a 10-fold increase in communications capacity compared to the current legacy Ultra High Frequency (UHF) system. Additionally, the WCDMA payload gives users the advantage of high-speed data and priority access that legacy systems did not.

Lockheed Martin Space Systems, in Sunnyvale, California, is the MUOS prime contractor and system integrator of the five-satellite constellation, which includes four operational assets and one on-orbit spare. The Navy's Program Executive Office for Space Systems and its Communications Satellite Program Office, San Diego, California, are responsible for the MUOS program.

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 113,000 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 2013 were $45.4 billion.

Note to Editors:
MUOS video and high-resolution photos can be found at www.lockheedmartin.com/muos

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