

Boeing Completes Testing on New Anti-Jamming Technology

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Demonstrations prove added capability for on-orbit wideband and commercial satellite platforms

EL SEGUNDO, Calif., Nov. 4, 2014 – Boeing [NYSE: BA] has proven its new anti-jamming communications technology is capable of operating as either a ground-based user terminal or satellite-based networking hub, enabling the military to send and receive secure communications at a significantly lower cost by using existing terminals and satellites.

The anti-jam technology uses a protected tactical waveform, which shields signals from interference by adversaries or cyber-terrorists. This demonstration complements [previous on-orbit demonstrations](#) over satellites like ViaSat-1 and the sixth Wideband Global SATCOM (WGS-6), showing the ability to operate anti-jam waveforms over existing commercial and military spacecraft.

“We’ve confirmed this technology can be applied quickly and affordably to existing assets, especially operational WGS satellites and ground terminals,” said Dan Hart, vice president of Boeing Government Satellite Systems. “With threats to secure communications becoming increasingly frequent and sophisticated, providing this enhanced capability to warfighters on the ground is critical.”

The recent test was conducted between a Boeing ground terminal using a programmable modem, designed and developed by ViaSat using one of its commercial off-the-shelf platforms and a ground terminal designed and built by MIT-Lincoln Laboratory.

This testing, done under contract for the U.S. Air Force Space and Missile Systems Center and supervised by the U.S. government, confirms that the modem meets technical interface specifications, while successfully transmitting information to and from the ground user terminal.

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