Boeing Advanced Display Core Processor Strike Eagle

Boeing's [NYSE: BA] newest version of the Advanced Display Core Processor (ADCP) flew for the first time recently on a U.S. Air Force F-15E Strike Eagle at Eglin Air Force Base, Fla., enhancing the jet's capability.

Developed using commercial data technologies, ADCP significantly increases the processing capability for the two-person F-15E fighter crew enabling the aircraft's computer system to process target data faster, display better information to the crew, and control more advanced weaponry. Using less power than its predecessor at half the cost and weight, ADCP provides enhanced memory with commercial processors and is a significant upgrade to an older central computer and multi-purpose display processor.

"ADCP will significantly increase the capability of the Strike Eagle and the pilots who fly it," said Tony Szczuka, Boeing ADCP program manager. "The system performed flawlessly during the flight and our team has proven the new processors are ready for the initial production decision later this year."

The flight's objective was achieved when the ADCP operated successfully and performed its mission processing and displaying functions better than the system it will replace. The advanced avionic system also included improved software, which provides the capability to deploy the Small Diameter Bomb and made other significant enhancements possible.

The U.S. Air Force will retrofit its entire F-15E fleet starting in 2006. Boeing has subcontracted Honeywell Aerospace Electronic Systems, based in Albuquerque, N.M., to deliver 22 ADCP units under an engineering and manufacturing development program.

A unit of The Boeing Company, Integrated Defense Systems is one of the world's largest space and defense businesses. Headquartered in St. Louis , Boeing Integrated Defense Systems is a $27 billion business. It provides network-centric systems solutions to its global military, government and commercial customers. It is a leading provider of intelligence, surveillance and reconnaissance systems; the world's largest military aircraft manufacturer; the world's largest satellite manufacturer and a leading provider of space-based communications; the primary systems integrator for U.S. missile defense and Department of Homeland Security; NASA's largest contractor; and a global leader in launch services.

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