



FOR IMMEDIATE RELEASE:

Department of Defense To Use Voltaire Grid Backbone™ Solutions in HP Supercomputer for Weapons Systems Design

Voltaire 288 Port Switches Deliver Performance and Scalability for 1024-node Cluster

BILLERICA, Mass. – November 1, 2005 – Voltaire, the worldwide leader in grid backbone solutions, today announced that the Department of Defense (DoD) will use Voltaire's InfiniBand-based grid backbone switching solutions as part of a powerful HP clustered supercomputer for advanced weapons system design research. The system will be installed this month at the Aeronautical Systems Center (ASC) Major Shared Resource Center (MSRC) based at Wright-Patterson Air Force Base in Ohio.

The DoD's 10 teraflop supercomputer will be used to conduct research on advanced weapons concepts, improve and speed up modification programs, enhance simulation programs and enable more efficient tests and evaluations. Multiple Voltaire Grid Director™ ISR 9288 switches are used in the 1024-node HP Cluster Platform supercomputer for the high bandwidth, low latency cluster interconnect. Voltaire multi-service switches offer integrated InfiniBand, GbE and Fibre Channel connectivity and are deployed successfully in some of the world's largest supercomputers and data grids.

"We anticipate tremendous performance from this large cluster through the installation of HP's Unified Cluster Portfolio with Voltaire's 288-port InfiniBand switches," said Steve Wourms, ASC MSRC Director. "By using these industry standard-based solutions, we're able to reduce costs while providing a robust, sustainable high performance computing system to run critical Department of Defense applications."

Voltaire Grid Director ISR 9288 switches provide the high-speed interconnect and HP's XC System Software provides cluster management capability. The supercomputer is a 1024-node Cluster Platform 4000 based on HP ProLiant DL145 servers with AMD Opteron processors running the Linux operating system.

"The supercomputer at the DoD underscores the fact that our high port count InfiniBand switches are a key enabler for building large clusters and grids that are greater than one thousand nodes," said Mark Favreau, executive vice president and general manager, Voltaire. "We are

extremely pleased to have our solutions selected by HP and the U.S. Department of Defense for mission-critical research and defense initiatives.”

“This customer deployment is yet another proof point that cluster technologies with InfiniBand interconnect truly deliver against the demands of supercomputing in real world, mission-critical environments,” said Winston Prather, vice president and general manager, High Performance Computing Division, HP. “Voltaire’s 288 port switch is a critical component of the HP Cluster Platform because it provides exceptional performance and manageability for large, scale out compute environments.”

The HP supercomputer with Voltaire Grid Backbone solutions was chosen by the Department of Defense High Performance Office, as part of its Technology Insertion for 2005 (TI-05) program, based on the completeness and robustness of the solution and price/performance.

About the ASC MSRC

The Aeronautical Systems Center (ASC) Major Shared Resource Center (MSRC) is a computational science facility supporting Department of Defense (DoD) research, development, and test and evaluation communities with high performance computing and visualization resources. Created as part of the DoD’s High Performance Modernization Program (HPCMP), the ASC MSRC High Performance Computing Center is located on Wright-Patterson Air Force Base and is one of four DoD MSRC sites.

About Voltaire

Voltaire is the worldwide leader in grid backbone solutions for networked computing in the next generation data center. Voltaire’s integrated family of switching hardware and network virtualization software delivers the high performance, intelligent backbone for grid computing architectures. Leveraging the InfiniBand standard, Voltaire solutions offer improved performance, utilization and scalability across compute clusters, storage and IP networks. Voltaire solutions are available from major systems vendors and integrators. More information about Voltaire is available at www.voltaire.com or by calling 1-800-865-8247.

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