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U.S. ARMY VIRTUAL PROVING GROUND CHOOSES MÄK TOOLS FOR SEIT DEMONSTRATION

MÄK High Performance RTI Used in SEIT Demonstrations

ITEC, LONDON, England, April 20, 2004– MÄK Technologies, the world’s leading supplier of distributed simulation software, announced that the Army Test and Evaluation Command (ATEC) Developmental Test Command’s (DTC) Virtual Proving Ground (VPG) is using VR-Link®, the MÄK RTI, the MÄK Gateway, the MÄK Stealth, and the MÄK Data Logger as part of the Synthetic Environments Integrated Test bed (SEIT) demonstrations. The goal of SEIT is to develop and demonstrate a high-resolution environment for the testing and evaluation of equipment for Department of Defense acquisition. It is an integration of High Level Architecture (HLA) compliant models, Distributed Interactive Simulation (DIS) applications, live test articles, and human operators all interoperating in a single tactical scenario. The demonstration is geographically distributed, networked across seven sites: Aberdeen Proving Ground, Md., Dugway Proving Ground, Utah, Fort Rucker, Ala., Fort Huachuca, Ariz., Redstone Arsenal, Ala., White Sands Missile Range, N.M., and Yuma Proving Ground, Ariz.

The SEIT demonstrations included three distributed test events that linked the seven test centers into a distributed simulation architecture. SEIT leveraged existing live, virtual and constructive test center capabilities with a mix of DIS and HLA simulations. The challenge for SEIT was to create an integrated simulation

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network across seven sites using a mix of protocols. SEIT is the first initiative to link the simulation capabilities of the all DTC test centers. The first build of the SEIT capability included three distributed test events of the initial operating capability (IOC).

To support this challenge, SEIT IOCs used a suite of MÄK tools. All SEIT simulation traffic across the wide area network (WAN) was sent via the MÄK RTI, chosen for its performance and customer support. SEIT used the MÄK Gateway to convert simulation data between DIS and HLA. The MÄK Data Logger was used to record and playback both DIS and HLA data. The MÄK Stealth was used at each site to provide a 3D view of the distributed test. Future SEIT events will also use the MÄK Plan View Display. Finally, a number of the simulations in SEIT used VR-Link as a protocol independent interface for distributed simulation.

Ralph Liebert, co-director of the Virtual Proving Ground SEIT program, will be presenting a paper titled "SEIT: Environmental Representations to Support Distributed Testing" at Spring SIW 2004. Spring SIW, sponsored by the Simulation Interoperability Standards Organization (SISO), will be held in Arlington, Virginia from April 18 to April 23, 2004. For more information about Spring SIW, please visit the SISO web site at www.sisostds.org.

"The successful use of simulation in general, and MAK tools in particular for simulation base acquisition (SBA) applications in the live range community illustrates the high return on investment for simulate-before-you-build acquisition strategies," said Warren Katz, MÄK's chief operating officer. "In addition, the successful SEIT experiment demonstrates the suitability of HLA for the live range community."

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An RTI is a key component of the High Level Architecture (HLA) networking architecture. The verified and fully compliant MÄK RTI has been chosen as the backbone of major simulation programs. MÄK RTI customers include Lockheed Martin's F-16 Mission Training Center, Northrop Grumman Mission Systems' DMT lab, AFRL Warfighter Training Research Division, FATS and Verrax. The MÄK RTI is consistently proven in third party studies to be the most efficient RTI available.

The MÄK Gateway is a vital tool for distributed simulations, allowing legacy DIS simulations to participate in an HLA exercise, bridging the two network architectures. The Gateway uses VR-Link, taking full advantage of the networking toolkit's FOM-Agile infrastructure. The MÄK Stealth, a vital tool for distributed simulations, provides a three dimensional view of the virtual battlefield. It is an important component of after action review. The MÄK Stealth excels at visualizing non-visual information like fire and detonation lines, trajectory histories, sensor volumes, and entity labels. The MÄK Data Logger records and replays networked simulations.

About MÄK Technologies

MÄK Technologies develops software to link, simulate and visualize the virtual world. We create tools and toolkits for distributed simulations, develop PC-based military tactical trainers, craft custom solutions, and research and develop the latest simulation technologies. We build commercial off the shelf simulation software that is flexible, portable and supported. Whether you choose our best-selling networking toolkit, VR-Link or our computer generated forces toolkit, VR-Forces, you have purchased a product backed by the industry's leading distributed simulation experts. Our worldwide customers include ITT Industries, Boeing, Lockheed Martin, Raytheon, Tenix, Dassault and BAE. Please call 617.876.8085 or visit www.mak.com for more information.

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