BISIM SHOWCASES VBS TACTICS FOR LEADER TRAINING AND VR-BASED SIMULATION TECHNOLOGIES AT MODERN DAY MARINE

Orlando, FL (U.S.) - Bohemia Interactive Simulations (BISim), a global developer of military training and simulation software, will showcase VBS Tactics, a 2D web-based interface for doctrinal control of artificially intelligent forces in VBS3, and offer live demonstrations of VBS using the latest in off-the-shelf VR technologies at Modern Day Marine in Quantico, Virginia, Sept. 27-29. Visit BISim in Tent C at booth #3035.

“VBS Tactics leverages new, state-of-the-art AI technology and when combined with the Tactics behavioral database, formations, mission rehearsals and maneuvers are performed according to military doctrine,” explains BISim Inc. President John Givens. “VBS Tactics is designed to support small unit leader training from the Squad up to the Company commander, and BISim is considering options for building capability up to the Battalion commander and higher levels in 2017.”

VBS Tactics is a lightweight interface that allows an operator to place down military markers to describe a plan, and execute that plan in a 3D virtual environment. VBS Tactics operates at the disaggregated, entity level, with every simulated soldier operating in the virtual environment in a manner similar to how they operate in the real world, hiding behind cover, clearing buildings, etc., with a level of detailed behavior that hasn’t been represented by other more complex constructive simulations.

Also during Modern Day Marine, BISim will demonstrate its prototype F-18 flight simulation solution that leverages the latest off-the-shelf VR technologies. BISim’s prototype whole-earth rendering technology VBS Blue provides the virtual environment for the simulator, which uses the Oculus Rift CV1 to provide a highly immersive training environment. An integrated Leap Motion hand-tracking sensor enables users to see their own hands in the virtual space and freely interact with a highly detailed virtual crew station that simulates the job performance environment. The avionics, weapon systems and flight models of an F-18 will be simulated by the FLEX-air application from SA Simulations. OPFOR and BLUFOR AI entities are generated using NAVAIR’s Next Generation Threat System (NGTS). The next release of VBS3 includes a prototype integration with CV1 and BISim will have a land vehicle scenario available for demonstration at Modern Day Marine.

“This innovative solution leverages emerging VR technologies to produce a portable, cost effective training capability that can dramatically increase readiness (the complete solution fits in a backpack), and it protects existing investments in systems and content by supporting industry interoperability standards,” Givens says. “We encourage attendees to visit our booth to try out the simulation for themselves at booth #3035.”