



## **AIS Announces Virtual Vitals™ Product**

*Feedback Simulator Interface for Medical and First Responder Training to be shown at I/ITSEC*

**SEATTLE – November 30, 2004** – The Medical and First Responder communities now have a fully portable, state-of-the-art, training tool for simulating vital signs. Reality Response™, a division of Advanced Interactive Systems (AIS), has developed Virtual Vitals™, a training tool designed to simulate real vital signs. The shoe-box size simulator works in tandem with training software via wireless or wired PC's and PDA's. Virtual Vitals™ adds a portable “touch and feel” capability to medical training. Using real world tools, such as a blood pressure cuff and stethoscope, trainees can take multiple simulated patient vitals regardless of their location.

Virtual Vitals is used for medical first responder rescue training and has been developed by Reality Response in cooperation with US Army Research, Development and Engineering Command-Simulation and Training Technology Center (RDECOM-STTC). Virtual Vitals™ will be featured at the I/ITSEC conference December 6-9 in Orlando, Florida at the AIS booth #2818.

The hardware platform is an advanced computer-controlled, tactile feedback simulator. Virtual Vitals contains segmented areas where the trainee can practice taking vital readings such as pulse, heart rate, body temperature, respiration, lung movement and blood pressure. It can be integrated with third party software simulations to add tactile, aural, and visual cues to a variety of training applications including virtual reality simulators, computer based training modules, and instructor led classroom training. It can also function as a standalone vital sign trainer, using its User Console (UCON™) to provide integrated scoring and testing. Virtual Vitals is also fully integrated with the AIS SVS™ virtual reality system.

The software portion of Virtual Vitals, UCON software, is available for Windows© operating systems and WinCE/Pocket PC/Windows Mobile Computing© operating systems. The instructor can modify virtual patient simulations to automatically change over time, embed trainee questions/scores directly into the exercise, or generate a post exercise performance report.

“Virtual Vitals is unique in that it is a low-cost, portable training tool that allows for the creation of “real world” first responder simulation scenarios, complete with mass casualties and embedded procedural questions and objectives,” states Paul Barham, Program Director.

Additionally, the Virtual Vitals application can be used to:

- Enhance traditional lecture-based classroom training with hands on exercises using multiple Virtual Vitals Simulators networked to a single Instructional Console (ICON™).
- Replace mouse over effects and text description of vital statistics in Computer Based Training (CBT) modules with Virtual Vitals for hands-on visual, aural, and tactile cues.
- Create field deployable standalone training exercises for refresher training and procedural knowledge maintenance.
- Create high fidelity human patient modeling software applications using Virtual Vitals to demonstrate the results.

### *About AIS*

Advanced Interactive Systems, Inc., provides comprehensive training solutions for people in positions where lives are on the line, including aviation, law enforcement, military, government, security, corrections and emergency responders. AIS builds PRISim training simulators that provide lethal and less-lethal weapons handling and judgment skills. The AIS Ltd. group designs and builds anti-terrorist and other special application training facilities for military and special operations groups, with installations in more than 60 countries. The Reality Response Division manufactures SVS™ interactive simulation systems and synthetic environments that provide reality-based training for CBRNE (Chemical, biological, radiologic, nuclear, explosive) hazard response tasks. Headquartered in Seattle, AIS is a privately owned company with offices in Washington D.C.; McLean, Virginia; Monterey, California; Orlando, Florida; Singapore; Abu Dhabi, United Arab Emirates; and London, England.

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