

**CTI Approved Press Release  
For Immediate Release  
17 September 2010**

## **NAVAIR/CTI Team Completes DVE Testing in Manned Flight Simulator**

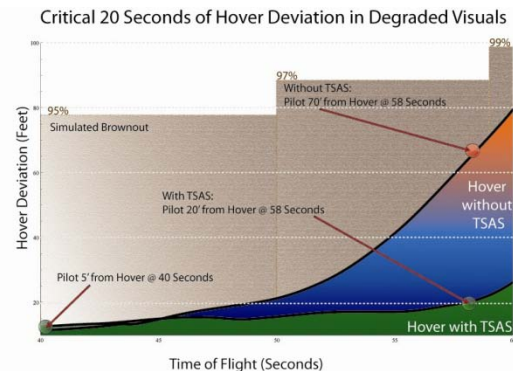
California, Maryland – A CTI (Chesapeake Technology International) led small business team successfully demonstrated their second-generation Tactile Situational Awareness System (TSAS) in simulated brownout conditions in the UH-60 full-motion Manned Flight Simulator (MFS) located at NAS Patuxent River, Maryland.



CTI's TSAS 2.0 system enables a helicopter pilot to maintain a stable hover position when in a degraded visual environment (DVE). TSAS enables "tactors" (buzzer type devices) incorporated into a thin vest worn on the upper torso to send tactile signals to a helicopter pilot.

CTI provided flight worthy systems to the Navy to enable government sponsored testing in the Navy's MFS and for testing in their UH-1N flight test aircraft. This testing was coordinated by Naval Aviation Center for Rotorcraft Advancement (NACRA).

The chart at the right is a culmination of testing that took place 16/17 September 2010 with ten (10) operational pilots at the MFS. This testing highlights that TSAS 2.0, used as a supplemental display, enabled them to maintain a stable hover in severe brownout conditions.



The testing was completed in accordance with ADS-33E-PRF<sup>1</sup>.

A full report of this testing can be requested through NACRA or CTI.

Flight demonstrations in Army Blackhawk UH-60's are planned in mid 2011.

Chesapeake Technology International, Corporation (CTI) is a small, veteran-owned technology company headquartered in California, MD near Patuxent River, MD, with personnel in Virginia, North Carolina, Colorado, and California. CTI develops software and systems for C4ISR systems, EA-6B flight simulators, and Unmanned Airborne Systems (UAS).

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<sup>1</sup> Aeronautical Design Standard Performance Specification Handling Qualities Requirements for Military Rotorcraft ADS-33E-PRF 21 March 2000. United States Army Aviation and Missile Command, Aviation Engineering Directorate, Redstone Arsenal, Alabama.