

press information

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Triconex safety system platform achieves Achilles cyber-security certification

IRVINE, CALIFORNIA, USA – May 23, 2007 – The Triconex (www.triconex.com) unit of Invensys Process Systems today announced that the Tricon version 10.3 has achieved Achilles™ Controller Level 1 cyber-security certification.

The Achilles certification testing methodology used by Wurdtech Labs™ involves the industry's most stringent network testing, with more than *30 million* individual tests performed on each controller submitted. Wurdtech Labs is an independent division of Vancouver, BC-based Wurdtech Security Technologies (www.wurdtech.com).

"The Achilles Certification Program is an industry recognized benchmark for validating the security of industrial controllers," said Tyler Williams, CEO of Wurdtech. "Achieving this certification is a compelling endorsement for the quality and robustness of the Tricon controller."

"As the world leader in safety system technology, Triconex has a proven track record in delivering safety solutions that combine high reliability and availability with excellent integration with DCS systems -- without compromising either safety or security," said Luis Duran, Triconex Brand Director at Invensys Process Systems. "Triconex systems have established the industry benchmark relative to international functional safety certifications. The achievement of Achilles certification for our Tricon system platform demonstrates our leadership in cyber-security, as well."

The process control industry is moving from using proprietary communications to using open standards and protocols such as Ethernet, TCP/IP, and OPC to integrate Safety Integrated Systems (SIS) with Distributed Control Systems (DCS). Thus, it is becoming increasingly important that the safety system is fully protected from external hostile intrusions that could place personnel at risk and/or cause incalculable damage to industrial assets. To this end, Triconex recently introduced a new Tricon Communications Module (TCM) with embedded

OPC server. The TCM, which was used to communicate to the Tricon controller during the Achilles testing, is specifically designed to facilitate a secure information flow from the Tricon safety system to distributed control systems using standard protocols.

In March 2007, Wurdtech Labs conducted a series of tests using the Achilles Assurance Platform at Triconex headquarters in Irvine, California. The tests were extensive and thorough - aimed at assessing capabilities, identifying vulnerabilities, and measuring the robustness of the Tricon platform. The Achilles Controller Certification Level 1 test is designed to cover protocol implementations at the OSI layers 2 to 4. The Level 1 test was conducted to determine the robustness of the Tricon system against cyber attacks at the Ethernet, TCP/IP and UDP level protocols. In addition to assessing the robustness of the Tricon system against cyber attacks, the performance of the Tricon Safety System executing an application program was also monitored during the tests.

At the conclusion of the tests, Wurdtech Securities indicated that the Tricon Safety System platform passed the Achilles Level 1 assessment test. It was also noted that the performance of the Tricon Safety System was never affected during the certification tests. Despite the rigors of the Achilles certification testing designed to identify software flaws that lead to exploitable security vulnerabilities in OSI layers 2 to 4, the Tricon continued to execute its control logic and perform properly in all respects.

As a leader in cyber-security initiatives, Invensys Process Systems is proactive in a broad range of governmental and non-governmental cyber-security forums on behalf of its customers. These include those sponsored by the US Department of Homeland Security, Department of Defense, US-CERT, Process Control Systems Forum (PCSF), Systems Administration, Networking and Security (SANS), Idaho National Labs, Institute of Information Infrastructure Protection (I3P), and others.

For more information on Triconex systems, readers can visit www.triconex.com, or contact the Invensys Customer Satisfaction Center via phone at 866-746-6477 (508-549-2424 outside the US and Canada) or via e-mail at ips.csc@ips.invensys.com.

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