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STARDOM FCJ passes Wurldtech Security Achilles certificate program, proved as Secure Product Against Ethernet and TCP/IP Layer Cyber Attack

Background

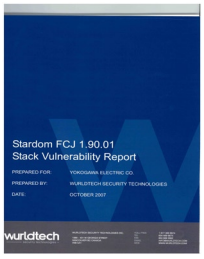
Today, control systems[*1] used in critical fields such as oil, gas, water, and electrical power generation/distribution play an essential role in our public infrastructure. However, the threat of cyber attack increases as more companies turn to IT solutions and employ Ethernet as their control network. To prevent cyber attacks, network security tests for control systems are required more than ever. Test tools for scanning vulnerabilities in networks have been available for decades, but focus on IT specific protocols and are not suitable for control systems. Wurldtech Security Technologies offers a rigorous security certification program called "Achilles" specifically designed for addressing network security vulnerabilities in control systems. Wurldtech Security Technologies has recognized the STARDOM controllers[*2] as being well designed systems offering robust protection against cyber attacks.

Acilles Level I Certification

The Wurldtech Security Technologies is a leading provider of cyber security solutions to process control and mission-critical industries. Using the Achilles test platform, Wurldtech Security Technologies conducts a series of systematic cyber vulnerability tests for every type of networked device used in process operations. Achilles, which is exclusively designed as a test platform for control systems, discovers both known vulnerabilities as well as those not listed in any security vulnerabilities database or bug tracking database. Well-known control system users and suppliers depend on Wurldtech Security Technologies to test their existing and upcoming products. Systems that perform well in these tests by are globally recognized as being secure against cyber attacks.

Test Results

On October, 2007, STARDOM FCJ passed the Achilles Level I certificate program conducted by Wurldtech Security Technologies. They commented that "*In summary, the STARDOM FCJ appears to be well designed and hardened against most common Ethernet and TCP/IP layer attacks and should be stable under most network conditions.*"



About STARDOM

STARDOM inherits the high reliability of Yokogawa's DCS and has an innovative open network architecture. TCP/IP-based communications enable seamless connection with other systems. In addition to having a robust hardware design with features such as ECC memory and explosion-proof compliance, STARDOM has been proved to be robust from the network security point of view.

*1 Control systems include supervisory control and data acquisition (SCADA) systems, remote terminal units (RTU), programmable logic controllers (PLC), distributed control systems (DCS), emergency shutdown systems (ESD), human machine interfaces (HMI), and intelligent electronic devices (IED).

*2 There are two models as STARDOM controllers, FCN (Field Control Node) and FCJ (Field Control Junction). FCN is a modular type controller supporting various I/O modules including HART and FOUNDATION Fieldbus™, FCJ is an all-in-one controller with built-in I/O including FOUNDATION Fieldbus. FCN and FCJ have the same software architecture and FCJ was selected as the test target.

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YOKOGAWA