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White Paper and Application Brief from Semaphore cover new RTU Networking Topics

NASHUA, NEW HAMPSHIRE – December 12, 2008 – [Semaphore](#), a CSE Global company, has released two technical documents with up-to-date information on [RTU](#) applications of the Simple Network Management Protocol (SNMP) in SCADA systems and IP Forwarding using a Remote Terminal Unit (RTU).

The white paper, [SNMP – A new Paradigm for SCADA](#), describes how SNMP is applied to asset management and transportation of “shadow data,” information on equipment maintenance and security within the SCADA system. Since SNMP has emerged as a very efficient vehicle for transportation of this information, it is feasible for addition to existing systems. The white paper includes descriptions of smart function blocks, which significantly reduce programming efforts when used with Semaphore’s [T-BOX RTU](#) and [Kingfisher RTU](#) product lines.

The application brief, [IP Forwarding in Semaphore’s T-BOX RTU](#), explains how to configure the IP “gateway” capabilities in a [T-BOX RTU](#) to enable support of configuration and diagnostics in remote site equipment as well as communications of process information.

The documents can be obtained on the Semaphore website, www.cse-semaphore.com. The SNMP paper is at www.cse-semaphore.com/snmp and the IP Forwarding paper is at www.cse-semaphore.com/ip-forwarding.

The T-BOX RTU is the first, IP-based telemetry solution that enables the complete integration of SCADA, control, and communications functionality in one rugged package. It leverages easy-to-use Web technologies and inexpensive public networks for decentralized, monitoring and control systems. T-BOX products offer up to 50% less total installed cost per point versus

traditional SCADA/ PLC systems and permit greater organizational access to data through automated reporting and browser software.

The Kingfisher RTU line provides many advanced features for SCADA system solutions, including redundant configurations, intelligent I/O, and open programming that is compliant with IEC 61131-3. Kingfisher is also the first RTU product line that is compliant with IEC 61499, the distributed processing and interoperability extension to IEC 61131-3. Kingfisher systems are well suited to large, demanding measurement and control applications that employ central stations.

Semaphore's T-BOX and Kingfisher RTU products are ideal for a broad range of monitoring and control applications in the broadcast / telecom, infrastructure management, oil & gas, power, transportation and water / wastewater industries. For more information about Semaphore solutions, visit www.cse-semaphore.com, or contact Semaphore at 15B Charron Avenue, Nashua, NH 03063, 603-577-3803.

About Semaphore

Established in 2006, [Semaphore](http://www.cse-semaphore.com) was the result of a merger of two CSE Global companies, RTUnet, of Australia, and TechnoTrade SA, of Belgium. For over 20 years, these companies have provided leading solutions for telemetry, automation, and remote monitoring and have an installed base of more than 70,000 devices. For more information, visit www.cse-semaphore.com.

Semaphore is a wholly owned subsidiary of CSE-Global Limited (CSE), a Singapore-based, industrial integration, manufacturing and distribution group with locations in 20 countries. CSE employs more than 1,000 people worldwide, with over 85% representing its design, engineering, and project management capability and experience. For more information, visit www.cse-global.com.