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## **Semaphore Releases DLMS Protocol for Open Meter Applications in SCADA RTU Product Line**

LAKE MARY, FLORIDA – June 29, 2009 – [Semaphore](#), a CSE Global company, recently introduced the IEC 62056-21 Device Language Message Specification (DLMS) protocol for its [T-BOX](#) line of [SCADA system](#) products. This protocol is now available with a [T-BOX MS Modular System](#) when equipped with a 32-bit CPU.

DLMS is the suite of standards developed and maintained by the DLMS User Association and has been co-opted by the IEC TC13 WG14 into the IEC 62056 series of standards. IEC 62056-21 was formerly known as IEC 61107. Companion Specification for Energy Metering (COSEM) includes a set of specifications that defines the transport and application layers of the DLMS protocol.

DLMS has been adopted by the OPEN Meter Consortium, a European effort to standardize a protocol for automated meter reading (AMR). The OPEN meter project is expected to contribute to the European Union energy efficiency targets and help reduce carbon emissions by 20% by 2020.

The combination of T-BOX and the IEC 62056-21 protocol is particularly applicable to open metering communications in systems such as Smart Grids. A T-BOX [RTU](#) performs alarm management and logging of information, including energy readings and diagnostic data. The RTU uses push technology to keep multiple recipients fully informed of the status of all meters. Push messaging includes IP forwarding, e-mail with attached files, and SMS text. Via an integral web server, T-BOX serves live and historical information on the Internet or an intranet.

T-BOX 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.

Semaphore's T-BOX RTU products are ideal for a broad range of monitoring and control applications in the broadcast, infrastructure management, oil & gas, power, transportation and water treatment and distribution industries.

For more information about Semaphore SCADA solutions, visit [www.cse-semaphore.com](http://www.cse-semaphore.com) or call (+1) 407-333-3235.

### **About Semaphore**

Established in 2006, Semaphore was the result of a merger of two CSE Global companies, RTUnet, of Australia, and TechnoTrade SA, of Belgium. For more than 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](http://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](http://www.cse-global.com).