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New IP Forwarding Capability for Semaphore SHDSL Modem Extends Scope of Legacy SCADA Networks

LAKE MARY, FLORIDA – May 18, 2010 – [Semaphore](#), a CSE Global company, announces the addition of IP forwarding capability to its S20 [SHDSL Modem](#), which provides dual Ethernet transmission at high speeds over copper wire pairs. The Semaphore SHDSL modem enables conversion of an existing copper wire infrastructure into a high-speed Ethernet network when installing a new [SCADA system](#), even if it spans distances previously unattainable by conventional DSL technology.

The Semaphore S20 [SHDSL](#) Modem improves communication speed and reach without additional investment in new communications media. The S20 SHDSL modem's unique repeater capability enables communications over existing copper wire networks spanning up to hundreds of kilometers. The modem is ideal for railway, pipeline, utility and power transmission applications that presently employ copper wire communications networks.

The S20 modem uses [G.SHDSL](#) (Symmetric High-bit rate Digital Subscriber Loop) technology for sending and receiving high-speed symmetrical data streams over a single pair of copper wires at rates between 192 kbps to 2.31 mbps. Also known as G.991.2, G.SHDSL is an international standard for symmetric DSL developed by the ITU.

[IP forwarding](#) allows remote devices with serial interfaces to communicate with a personal computer or T-BOX [RTU](#) using the existing, copper wire infrastructure. Transmissions between the SHDSL modems are via UDP/IP.



Semaphore's connectivity 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, or contact Semaphore at 1200 Chantry Place, Lake Mary, FL 32746, 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.

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.