

FOR IMMEDIATE RELEASE

**Contact:**

Debbie Costello, Marketing Manager  
Cyber Sciences, Inc. (CSI)  
Phone: +1 615-890-6709  
Fax: +1 615 439 1651  
Email: [marketing@cyber-sciences.com](mailto:marketing@cyber-sciences.com)

**CYTIME™ SEQUENCE OF EVENTS RECORDERS ADD PRECISION TIME  
PROTOCOL (PTP/IEEE 1588) FOR 1-MS TIME SYNC OVER ETHERNET**

**Murfreesboro, Tennessee, USA** — October 2, 2015. Cyber Sciences, Inc. announces the addition of Precision Time Protocol (PTP) to CyTime™ Sequence of Events Recorders SER-3200 and SER-2408. PTP (defined in IEEE Std 1588™) enables sub-millisecond time synchronization over an Ethernet network. The breakthrough technology is the “hardware-assisted” time-stamping by the special 1588-compliant Ethernet hardware in the SER devices. Cyber Sciences also introduces the “Simple PTP” Profile (SPTP), based on IEEE 1588 Default Profile, which leverages the same Ethernet network used for power monitoring. One CyTime SER serves as “PTP grandmaster clock,” and all other CyTime SERs (and other PTP devices) sync automatically.

In commercial/industrial electrical networks, multiple state changes can occur within a quarter-cycle or less. One-millisecond (1-ms) resolution is the commonly accepted benchmark for meaningful analysis. Like an airliner’s black box recorder, Sequence of Events Recorders (SERs) record exactly what happened and when, to 1 ms. Unlike the airliner example, SER data is used again and again: for root-cause analysis, advance warning of slow breakers, or to verify proper operation of automatic controls and time-current coordination. Until recently, separate cables for IRIG-B or other time-sync protocols were needed, limiting the benefits to only the largest projects. Today, Precision Time Protocol (PTP) makes hi-res time-sync over Ethernet simple and affordable, with a solution that is scalable from small systems to the very largest sites.

CyTime™ Sequence of Events Recorders (SERs) are made in the USA and certified to global standards. SER devices are essential components of Electrical Power Monitoring Systems (EPMS), Emergency Power Supply Systems (EPSS), and Supervisory Control and Data Acquisition (SCADA) systems in a variety of commercial/industrial installations. CyTime Event Recorders have been awarded EC&M Product-of-the-Year and named a finalist for CSE Product-of-the-Year.

Cyber Sciences, Inc. (CSI) is a global leader in precision time solutions for commercial/industrial facilities, including data centers, hospitals, universities, microgrids and alternative energy. Key applications include sequence of events recording (SER) and GPS time synchronization, helping facility managers and engineers to ensure the reliability, efficiency and safety of their normal and emergency power systems. Cyber Sciences is a privately-held corporation located in Murfreesboro, Tennessee, 25 miles southeast of Nashville. For more information about CyTime Sequence of Events Recorders or other solutions from the company, please contact us at 1-615-890-6709, by email at [sales@cyber-sciences.com](mailto:sales@cyber-sciences.com) or visit the company’s web site at [www.cyber-sciences.com](http://www.cyber-sciences.com).

###