

## ERLPhase Power Technologies: September 2010 Update

Welcome to our latest e-newsletter. You may notice that our e-newsletter has taken on an updated look. ERLPhase Power Technologies has evolved our logo to a more simplified "ERL" so we've also taken opportunity to update some of our graphics as well. Hope you like it!

### ERLPhase Receives IEC 61850 Certification for L-PRO 4000 Relay

Issued by the Central Power Research Institute of India, this independent assessment is based on the UCA International Users Group Device Test Procedures. ERLPhase will offer the IEC 61850 Station Bus protocol (8-1) as a standard feature on its 4000 Series relays and recorders, being released later this year.

*"We're very proud of this certification and of the standards-compliant approach we've always followed in our platform design," said René Midence, Business Unit Manager for Protection Products at ERLPhase. "As we look forward to a new generation of Substation Automation IEDs, commitment to certifications like IEC 61850 is essential for the benefit of our industry as a whole."*



In response to growing proprietary protocols, the IEC 61850 standard was developed to ensure interoperability of substation automation devices. Beginning in 1995, an IEC project group of about 60 members from different countries worked in 3 IEC working groups to create a single protocol which would: define basic services required to transfer data in the future, promote interoperability between vendor systems, standardize on a common format for data storage, and define testing requirements for conformance to the standard.

Link to [full press release](#).

Link to [L-PRO IEC 61850 Certificate](#).

### New Application Examples

#### ❖ **Setting the TESLA Digital Fault Recorder**

Based on a hypothetical 345:138kV substation, this note shows a simple but effective sample set of trigger settings. It concentrates on trigger levels, and has separate sections covering triggers for analog and digital settings.

[Download Application Note PDF](#)

#### ❖ **IEC 61850 Interoperability Test Example**

One goal of the IEC 61850 standard is to ensure interoperability of substation automation. This application note describes how to demonstrate interoperability by setting up a close loop handshaking sequence to send and receive GOOSE messages between devices (in this case, L-PRO Transmission Line Protection Relays).

[Download Application Note PDF](#)

### Upcoming Events

Looking forward to seeing you at an event in your area...

### **Cigre Brazil: Seminário Técnico de Proteção e Controle**

Oct 17-20, 2010

Recife, Brazil

✧ [Learn more about Cigre Brazil](#)

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### **WPRC 2010**

Oct 18-21, 2010

Spokane, WA

Joe Perez, Application Engineer, ERLPhase Power Technologies presents

*Fundamental Principles of Transformer Thermal Loading and Protection*

Wed Oct 20th at 11:15am

✧ [Learn more about WPRC 2010](#)

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### **MIPSYCON**

Nov 2-4, 2010

Minneapolis, MN

Joe Perez, Application Engineer, ERLPhase Power Technologies presents

*Fundamental Principles of Transformer Thermal Loading and Protection*

Tues Nov 2nd at 1pm

✧ [Learn more about MIPSYCON](#)

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### **IEEE Brazil**

Nov 8-11, 2010

Sao Paulo, Brazil

✧ [Learn more about IEEE Brazil](#)

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### **IEEE Concapan**

Nov 17-19, 2010

Costa Rica

✧ [Learn more about IEEE Concapan](#)

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### **ERLPhase Power Technologies Ltd**

- ✧ North American centre of excellence within a strong and dynamic global organization
- ✧ Driven by innovation and best-in-class technology to provide smart solutions to customers needs
- ✧ Singular focus on power system protection and recording



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