



October 19-20, 2011
CIGRE Colloquium Study Committee D2 in Buenos Aires, Argentina
CALL FOR PAPERS

INFORMATION SYSTEMS AND TELECOMMUNICATION

STUDY COMMITTEE D2

Study Committee D2 of Cigré is in charge of monitoring emerging technologies and current practices in the fields of information systems and telecommunication for the Electric Power Industry (EPI), evaluating their possible impact on present and future needs of all players in the EPI.

In a broad sense, it deals with the principles, requirements, design, engineering, performance, operation and maintenance of IT and telecom systems such as:

- Telecommunication and information systems for voice, data, video services.
- Specialized solutions for teleprotection, SCADA, EMS and DMS systems.
- Information systems and networks for operational and business needs.
- Requirements and aspects of energy flow-control, security, economy, transparency, quality and regulation.

OBJECTIVE

To provide an international forum to share information between electric utilities, manufacturers, universities, standardizing bodies and authorities in selected topics in the field of information technology and telecommunications.

PROGRAM

The Colloquium is the biennial Technical Discussion Forum of the Study Committee for members, associates and experts of the discipline from the host country. The Preferential Subjects that will be discussed are within the following scope:

1. Communication Technologies and Solutions for core networks in Electric Power Utilities.
2. Access solutions to be implemented by Electric Power Utilities.
3. Information Systems to support data interchange between market participants.

The Colloquium will be held on a two day session. All papers that are within the scope will be accepted, and authors should be prepared to present a summary of their paper and to answer questions from the audience. The Chairman and Organizing Committee however reserve the right to identify papers that are not directly within the discussion stream and to publish these without presentation or discussion.

DEADLINES

Submission of synopses:	January 15th, 2011
Notification of acceptance:	February 21st, 2011
Submission of full papers:	May 2nd, 2011

SUBMISSION OF PAPERS

Participants wishing to present papers are invited to submit a synopsis (300-500 words, in English) by e-mail to the Chairman and the organizing committee by January 15th, 2011.

Each synopsis must indicate the topic to be addressed (see no. 1 to 3 under subjects). The name, title, affiliation and full address (postal, fax and e-mail) of the author is required. The synopsis template is available for download on the Cigré SC D2 web site (www.cigre-d2.org) in the Events/Cigré Events section.

The notification of acceptance of papers will be made to authors and completed papers (in English) will be required by May 2nd, 2011.

Synopses and papers must be sent to the following e-mail addresses:

Chairman: Mr. Carlos SAMITIER,
e-mail: csamitier@gne-eng.com

Organizing Committee: Mr. Guillermo GALARZA,
e-mail: guillermo.galarza@ar.abb.com

SUBJECTS

1. Communication Technologies and Solutions for core networks in Electric Power Utilities

The technologies and solutions for core networks are evolving and the utilities are seeing an increasing number of new alternatives. Some of them will not result interesting for EPUs and some others are currently being incorporated gradually and will be widely used in the future. The papers for this preferential subject shall focus in the following areas:

- Applications
- Reliability and availability
- Experiences

2. Access solutions to be implemented by Electric Power Utilities

The increasing demand of new services, together with the evolution of the core networks, results in the implementation of access solutions that make use of a wide diversity of technologies, making network planners face new challenges. Specifically, the following areas can be mentioned:

- Substation and Protection access
- Wireless access
- Cyber-Security

3. Information Systems to support data interchange between market participants

Deregulated markets have proven to be strongly information demanding. The transactions, among players in this marketplace, require the interchange of a lot of real time information among information systems based on different technologies. The technologies to support these services, along with the challenges in the implementation, are to be discussed in this preferential subject, classified in:

- Requirements and architecture for data interchange applications
- Networking solutions for local and cross-border market participants

