

1st ICOEUR workshop on

Methods and Tools for Monitoring and Control of Large Power Systems

Ljubljana, Slovenia
21st January 2010

Agenda

Workshop will be conducted as following:

- topic presentation (opening),
- problem introduction,
- potential solution,
- discussion.

08:15 – 09:00	Registration
09:00 – 09:10	Welcome & Opening (Dr. T. Babnik Elpros, Prof. R. Cherkaoui EPFL)
09:10 – 09:30	ICOEUR project objectives, main activities and expected results (Prof. C. Rehtanz TU Dortmund University)
09:30 – 09:45	Monitoring, forecasting and control of large scale power systems (Prof. N.Voropai Energy Systems Institute)
09:45 – 10:15	Wide area power system monitoring with PMUs under the use of a (shared) data concentrator (LS-WAMS). Functional concept of LS-WAMS data concentrator (K. Goerner TU Dortmund University)
10:15 – 10:30	Coffee break
10:30 – 11:20	Demonstration of the 230 V WAMS. Experiences and detected events on 230V and correlation of measurements with HV grid (Dr. T. Babnik Elpros)
11:20 – 12:10	Presentation of obtained HV PMU measurements from TSOs (ELES representative)
12:10 – 12:50	Proposal for the UCTE-WAMS discussion with TSO representatives (ELES representative, B. Mahkovec Elpros)
12:50 – 14:15	Lunch
14:15 – 14:30	Communication and data exchange between TSO control centers in real-time from the aspects of reliability, data resolution and communication protocol (ELES representative, K. Goerner TU Dortmund University)

- 14:30– 14:50 Data exchange between TSO-s for the post-mortem analyses from the aspects of data format and exchange protocol (ELES representative)
- 14:50 – 15:10 Real-time data exchange between WAMS and state estimators from the aspects of data exchange concept (ELES representative)
- 15:10 – 15:30 Coffee break
- 15:30 – 16:00 Next steps of the ICOEUR project:
- Algorithms and methods for a common system state estimation (Prof. O. Soukhanov All-Russian Electrotechnical Institute, Prof. C. Rehtanz TU Dortmund University)
 - Functions for coordinated control of interconnected networks
- 16:00 – 17:00 Discussions and conclusions