

Eastern Interconnection Phasor Project
Roadmap Meeting
October 29, 2003
Arlington, VA

Update on Related IEEE Work
Mostly on
IEEE WG on Power System Dynamics Measurements
by
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SHORT HISTORY

- Grew out of Task Force on Power System Monitoring with Phasor Measurements
- Morphed into present WG in Jan. 1997; created scope [next slide]
- Presented Panel Sessions at IEEE meetings in Summer 1998 [San Diego] and in Summer 1999, [Edmonton]
- Decided in Winter 2000 to prepare a WG paper “Preferred Capabilities for Power System Dynamics Measurements”
- Agreed in general on outline for paper in Winter 2001; made rough assignments for lead editors and writers.

Scope: Working Group on Power System Dynamics Measurements

Scope: Development of procedures, methods and techniques for **detecting, recording, and analyzing** power system dynamic performance, for use in system controls, for event reconstruction, for validation of correct operation of equipment, controls, and protection, and for developing and improving simulation models. The Working Group (WG) will **consider transducers, computation equipment and algorithms, communications**, and other portions of systems for these measurements. The WG will disseminate its results appropriately, including use of panel sessions, technical paper sessions, and preparation of WG papers. The WG will coordinate its activities with other IEEE and CIGRE bodies, including the Power System Relaying Committee and the Power Systems Instrumentation and Measurements Committee.

[not a part of the scope] The Working Group reports to the Power System Stability Controls Subcommittee of the Power System Dynamic Performance Committee.

Observations Re: DOE EIP Project

- The IEEE WG is focused on the projects technical issue – making and analyzing records of power system dynamic performance. It has technical experts from around the world – several of them in this meeting. These may be used as an asset. It has some ‘clout’.
- The IEEE WG has to be a ‘transnational’ organization; it may not be officially employed for EI purposes. [But see item 1 above!]
- The EI has a persistent organizational problem in that no single body is ‘in charge’ of the EI as is the case for ERCOT and WECC. Similarly, there is no central staff for coordination.
 - ♥ Some work-arounds have been used, e.g., the MMWG of NERC.
 - ♥ Some ideas are floating for an EI network for coordinated recording and/or exchange of system response dynamics records.