

Charter of the Eastern Interconnection Phasor Project Work Group

Vision Statement

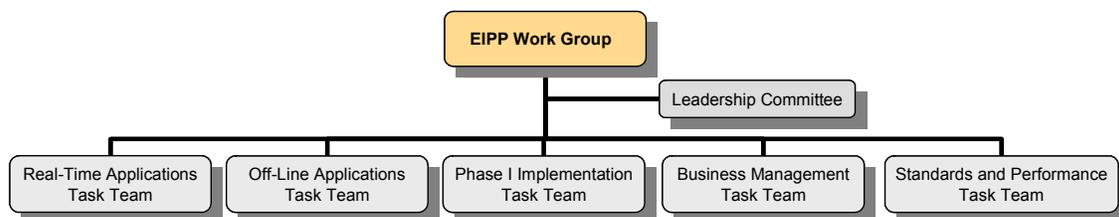
The vision of the EIPP Work Group is to improve power system reliability through wide area measurement, monitoring and control.

Mission

The Work Group's mission is to create a robust, widely available and secure synchronized data measurement infrastructure over the eastern interconnection with associated analysis and monitoring tools for better planning and operation, and improved reliability.

Work Group Organization

Phil Overholt, Transmission Reliability Program Manager for the US Department of Energy, chairs the Work Group. The Work Group is organized into five Task Teams. The Task Teams are led by industry representatives and supported by DOE CERTS members. A Leadership Committee coordinates the activities of the Task Teams and reports to the Work Group. The Leadership Committee is comprised of the leaders of each of the Task Teams, a representative from NERC, and a representative from DOE.



- **Leadership Committee** – The responsibilities of the Leadership Committee include preparing and coordinating Task Team activities, coordinating NERC activities related to the EIPP, establishing liaison with external organizations related to the EIPP, and making interim decisions for the Work Group pending formal approval at a regularly scheduled Work Group meeting.
- **Real-Time Applications Task Team** – The scope of the Real-Time Applications Task Team includes deployment and training for tools enabling operators, reliability coordinators

and others engaged in operational aspects of grid reliability to effectively monitor and assess the real-time operations of the bulk power grid on a wide area basis. The scope of the Real-Time Applications TT specifically includes applications that utilize PMU data for state estimation and SCADA and might also include the development of real-time applications where adequate tools are not commercially available.

Terry Bilke- TT leader

- **Off-Line Applications Task Team** – The scope of the Off-Line Applications Task Team includes deployment and training for tools enabling planners, analysts and others to support the assessment of system performance, model validation and to enhance decision-making related to bulk grid reliability. The scope of the Off-Line Applications TT might also include the development of off-line applications where adequate tools are not commercially available.
Navin Bhatt- TT leader
- **Phase I Implementation Task Team** – The scope of the Phase I Implementation Task Team is two fold. Firstly, the Task Team will develop a plan, including costs, that accomplishes the Phase I objectives of rapidly integrating 30 monitors and four data collection sites across the Eastern Interconnection utilizing existing and new field devices. Secondly, the Task Team will oversee the implementation of the agreed upon plan.
Mike Ingram- TT leader
- **Business Management Task Team** – The scope of the Business Management Task Team includes all matters related to agreements between cooperating parties necessary to implement the Work Group vision.
Floyd Galvan- TT leader
- **Standards and Performance Task Team** – The scope of the Standards and Performance Task Team includes coordinating and acting as liaison to standards efforts, determining consistent and satisfactory performance of synchronized measurement devices, and insuring the security of the data in accordance with best practices and the terms of the data sharing agreements.
Bruce Fardanesh- TT leader

Goals and Objectives

The Work Group defined its goals in two time frames. Short-term goals were defined to be achievable within one year. Long-term goals require more than one year to complete.

Short-Term Goals

Objective	Responsibility	Completion Date
Develop the blueprint for the most effective use and dissemination of wide area measurement data and information to utilities, NERC and appropriate government agencies	Work Group	Mar 2004 (1 st Draft)

Develop a prioritized list of applications (visualization tools) for the use of wide area measurements	Real Time Apps TT & Off Line Apps TT	Jun 2004
Get a minimum of four data collection sites and 30 instruments operational	Phase I Implementation TT	Dec 2004
Quick deployment of appropriate tools within the control room	Real Time Apps TT	Oct 2004 (Initial deployment)
Develop the necessary agreements and administrative infrastructure to collect and share the data	Business Mgmt TT	Mar 2004 (Interim agreements for pilot) Dec 2004 (Comprehensive agreements)
Inform and enroll key participants who need to be brought in to the project	Work Group	Mar 2004
Establish liaison to key policy groups	Work Group	Mar 2004
Baseline (document) progress to date on instrument testing and certification	Standards & Performance TT	Jun 2004

Long-Term Goals

Objective	Responsibility	Completion Date
Facilitate the development of standards (protocols, specifications)	Standards & Performance TT	Ongoing
Establish ongoing process to identify critical transmission corridors in consultation with NERC and others and determine associated placement of instruments	Phase I Implementation TT	Jun 2004
Develop business plan/business case for sustainable wide area measurement system (requires establishment of end point(s))	Work Group	Mar 2004 (1 st Draft)
Propose a strategy for dealing with standards and testing	Standards & Performance TT	Jun 2004

