NASPI
Engineering Analysis Task Team (EATT)
Report-Out

23 Oct 2014
Houston, TX

'Situational Awareness' Examples

1. DVP Synchronous Condenser Issue
2. DVP Generator Synchronization

3. BPA Sustained Oscillation Analysis
4. Fault Observation and Event Analysis

PRC-002-2 Update

Disturbance Monitoring and Reporting Requirements

1. PMUs meet the Dynamic Disturbance Reporting requirements
   - Defines Elements requiring monitoring, what electrical quantities to monitor, and reporting requirements
2. Focused on data, not equipment

3. Ballot period closed last night
4. Latest results show 71% approval = quorum

High Level Goals

- Field deployment & standardization
- Institutional support
- Data Quality
  - Availability, error rate, validation process, fill-in, application requirements, latency, vocabulary
- Applications
  - 'Operationalizing' synchrophasor information
  - Maturity model for applications

Vision 5-10 Years

5 Years	10 Years
-Operating procedures -Network model-based applications -Integration of PMU/EMS -Accomplishment of goals -Observability of SE -Breaker status -Network and data quality frameworks	-Automated controls -PMU = RTU -PMUs at distribution level -Open platform applications

Delivering Work Products

- *Application Requirements for Data Quality*
- *Operationalizing the Data: Maturity Model*
- *Developing Utility Standardization for PMUs*
- *Utilizing PMUs for NERC Standards Compliance*
- *Best Practices for CIP Issues Around PMUs*