

Coordination of Synchrophasor Related Activities between NASPI and IEEE PSRC/PSCCC Technical Committees

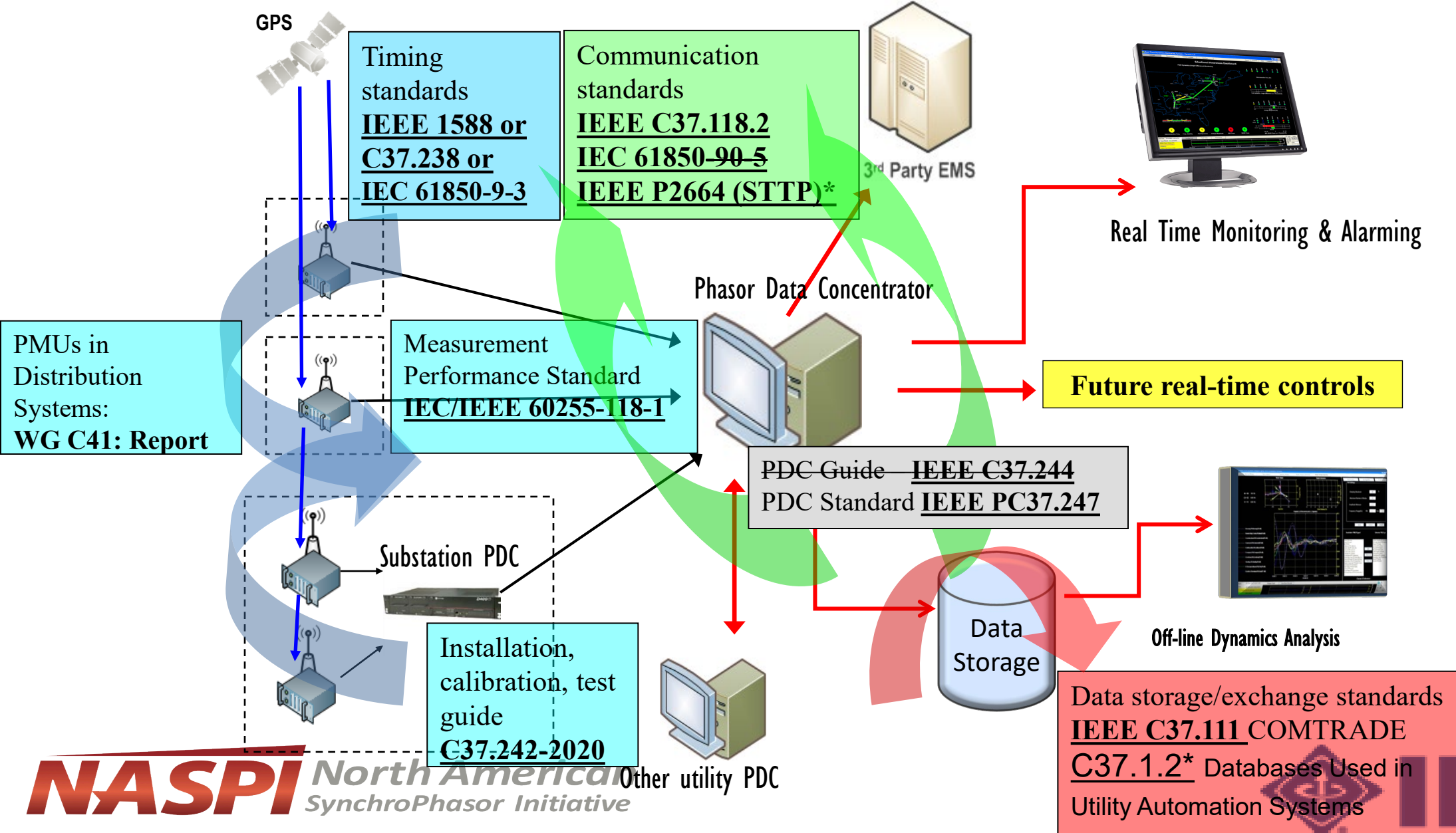
NASPI 2023 Spring Meeting

April 5, 2023

Presented by:

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Phasor Measurement Systems



IEEE PES PSRC (Power System Relaying and Control) Committee Activities

- C23: Coordination of Synchrophasor Related Activities
- C40: Tutorial on C37.247 Standard for Phasor Data Concentrators (ready to present, looking for a venue)
- C41: Investigate Measurement Performance Requirements for PMUs in Distribution System Applications – Draft a report. – **Will need 12 months to completion**
- C43: Report on Use of AI and ML for protection and control
 - Report has been reviewed and approved by C subcommittee, expect to be published after May 2023 meeting.
 - Work may continue, likely a new TF will form for the next step
- C46: Prepare a summary transactions paper on C37.242 – is a working group. Meets weekly. Draft 1.0 WG comments being resolved. **Completed C subcommittee review and vote, ready to submit to IEEE transaction for acceptance.**
- **D45: Report on “Protection Methods to Reduce Wildfire Risks due to Transmission and Distribution Lines”**
- H40: Guide for Databases used in Utility Automation Systems C37.1.2 (Draft 3.x?)
 - Has an annex on Synchrophasor Data Recording
 - **Forming a ballot pool by January, please show your interest at IEEE SA website.**
- H50: Requirements for Time Sources in Protection & Control Systems – Work in progress.
- **H54: Revision of dual logo IEEE C37.111-2013/IEC 60255-24:2013 Standard for Common Format for Transient Data Exchange (COMTRADE) is underway**

IEEE PES PSCCC (Power System Communications and Cybersecurity Committee) Activities

- P1: Std. Profile for ... 1588... in Power Systems...Amendment adding a TLV for Leap Second, holdover and UTC declaration. **Resolving ballot comments, recirculation soon**
- P9: Revision of C37.118.2 Synchrophasor Data Transfer for Power Systems
 - **Has completed first round ballot, in comment resolution process**
- P10: IEEE Standard for Streaming Telemetry Transport Protocol (IEEE P2664)
 - **WG is voting now to determine if the draft is ready for requesting forming a ballot group**
- P20: Joint revision of IEC 61850-9-3 (IEEE 1588) Power Utility Profile - ?
- S5: Revision of IEEE C37.240 Cyber Security Requirements for Power System Automation, Protection and Control Systems - ?
- S8: P2658 Guide for Cybersecurity Testing in Electric Power Systems - ?
- S15: Guide for Securing Generic Object Oriented System Events (GOOSE) and Sampled Values (SV) Protocols of IEC 61850 using IEC 62351-6 and IEC 62351-9 - ?
 - Particular interest to NASPI is R-GOOSE and R-SV security.

Next PSRC / PSCCC Meeting

May 8 – 11

Flamingo Hotel and Casino

3555 S Las Vegas Blvd

Las Vegas, NV

Meeting and hotel registrations are open

Questions?

Yi Hu (PSRC WG C23 Chairman)

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