

**Eastern Interconnect Phasor Project  
Working Group Meeting  
September 21-22, 2004 – Columbus, OH**

# **Phase 1 Implementation Status Report and Next Steps**

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# Status Overview

- Goal
  - 30 instruments, 4 data collection locations operational by 12/31/2004
- Progress
  - 18 instruments, 5 data collection locations
- Remaining Tasks
  - Document locations, document lessons learned, facilitate new installations
  - Expected status on 12/31 – >40 instruments, 5 data collection locations

# Early Lessons Learned

- Networking is key bottleneck
  - Currently VPN over public internet (working well)
  - Transition to NERCnet – how to facilitate?
  - Recommend formation of Networking TT
- Thanks to BMTT for handling confidentiality!

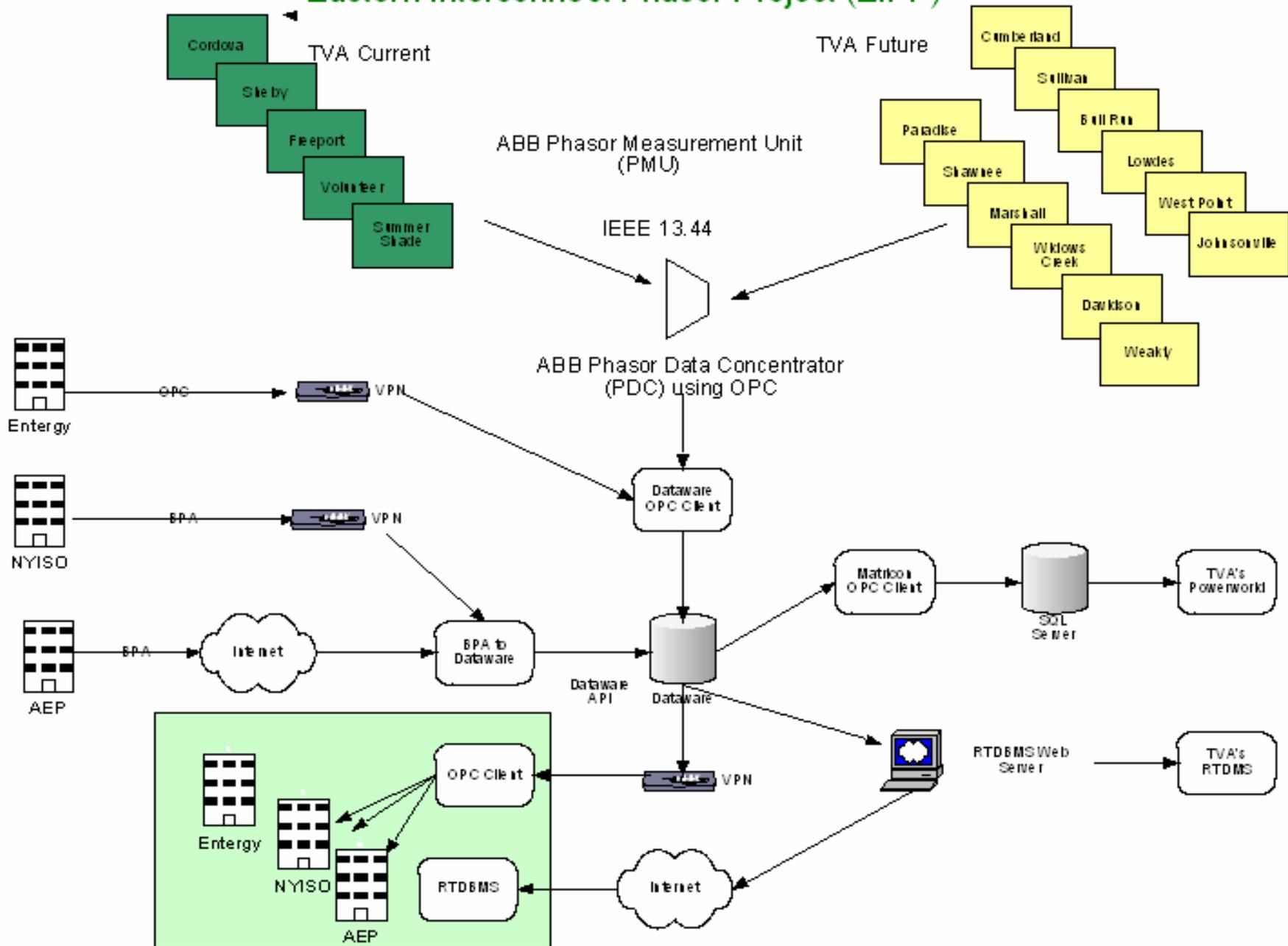
# Lessons Learned (cont.)

- OPC becoming de facto standard for communication between data collection centers
  - Inexpensive, open standard. Compatible with many commercial software tools.
  - So far, so good for control room applications. Need to investigate pros/cons for automatic control, remedial action, or off-line apps.

# Lessons Learned (cont.)

- Vendor response has been terrific
  - Many new substation IEDs are “EIPP compatible”. That is to say, they have accurate time stamps and can communicate to EIPP data centers. No reason not to make use of them.

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## **Next Steps**

- **Phase 1 has been a success and is winding down. How to maintain momentum for Phase 2?**
  - **Form Networking Task Team**
  - **Document Phase 1 lessons learned**
  - **Take advantage of software applications demonstrated yesterday to show value**
  - **Formalize sitting priorities for Phase 2 instruments!**