Fun with Synchrophasors and NASPI

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Observations

• *Since 2005, DOE has created an environment to fast-track transition from automation-focused to Intellectual Property (IP)-focused T&D operational infrastructure*
  
  – IEEE/IEC synchrophasor and related standards
  – NIST/SGIP PAPs and catalog of standards (COS)
  – DOE/ARRA-funded PMU and Smart Grid demonstration project experiences and feedback
  – Worldwide PMU and WAM system installations and experience sharing

• *NASPI has provided the opportunity to witness and participate in history in the making*
Possibilities

• **Major changes are likely for measurement products, system architecture and user organizations**
  
  – Multifunction Product Designs
    • Single function products to common data acquisition platforms
  
  – System Architecture with Distributed Processing
    • Evolving distributed processing for enhanced resiliency and upgradability
  
  – User Re-Organization
    • From traditional silos to operational teams with “Select” IP (and not IT) Teams

• **Transition will be perpetual (time measured in terms of our professional careers) and it could be both painful and fun at the same time!**