

**NASPI RITT**  
**Research Initiative Task Team**

**Report Out**

**Arlington, VA**

**October 6, 2010**

***L. Beard***

***J. Chow***

# Agenda

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1. Introduction All
2. 2010 Metrics and Goals L. Beard/J. Chow
3. NASPI Mission Statement L. Beard
4. Research Repository L. Beard/T. Carlon
5. Success Stories Z. Tate
6. Researcher NDA A. Silverstein
7. Research Presentations
  - a. J. Ma/Y. Makarov (10 min)
  - b. A. Chakraborty (10 min)
8. Brainstorming session L. Beard/J. Chow
9. Action Items J. Chow

# RITT 2010 Goals and Metrics

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Goal #	Goal	Metric	Deliverable	Lead
1	Revise Mission statement		June '10 (NASPI Vancouver meeting)	Lisa Beard, Joe Chow
2	Populating research repository	Add at least 50 more entries; update the Wikipedia entries; write paper to publicize repository	December '10	Luigi Vanfretti, Yuri Makarov
3	Researcher NDA	5 research groups signing document	December '10	Alison Silverstein
4	Research PMU database of historical events	Determine what information will be available in data sets; 5 data sets (disturbance, blue sky) made available	December '10	Alison Silverstein, Lisa Beard (EI), Farrokh Habibiashrafi (WECC)
5	PMU siting guidelines	White paper	June '10 (by NASPI Vancouver meeting)	Dejan Sobajic, Lisa Beard, Joe Chow, Luigi Vanfretti
6	Success stories	5 stories written up and posted	December '10	Zeb Tate, Krishnanjan Dubba Ravikumar, Teresa Carlon
7	Research topics and priorities	Evolving and up-to-date list	Ongoing	Joe Chow, Lisa Beard

# NASPI Mission Statement

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## NASPI Vision and Mission Statements

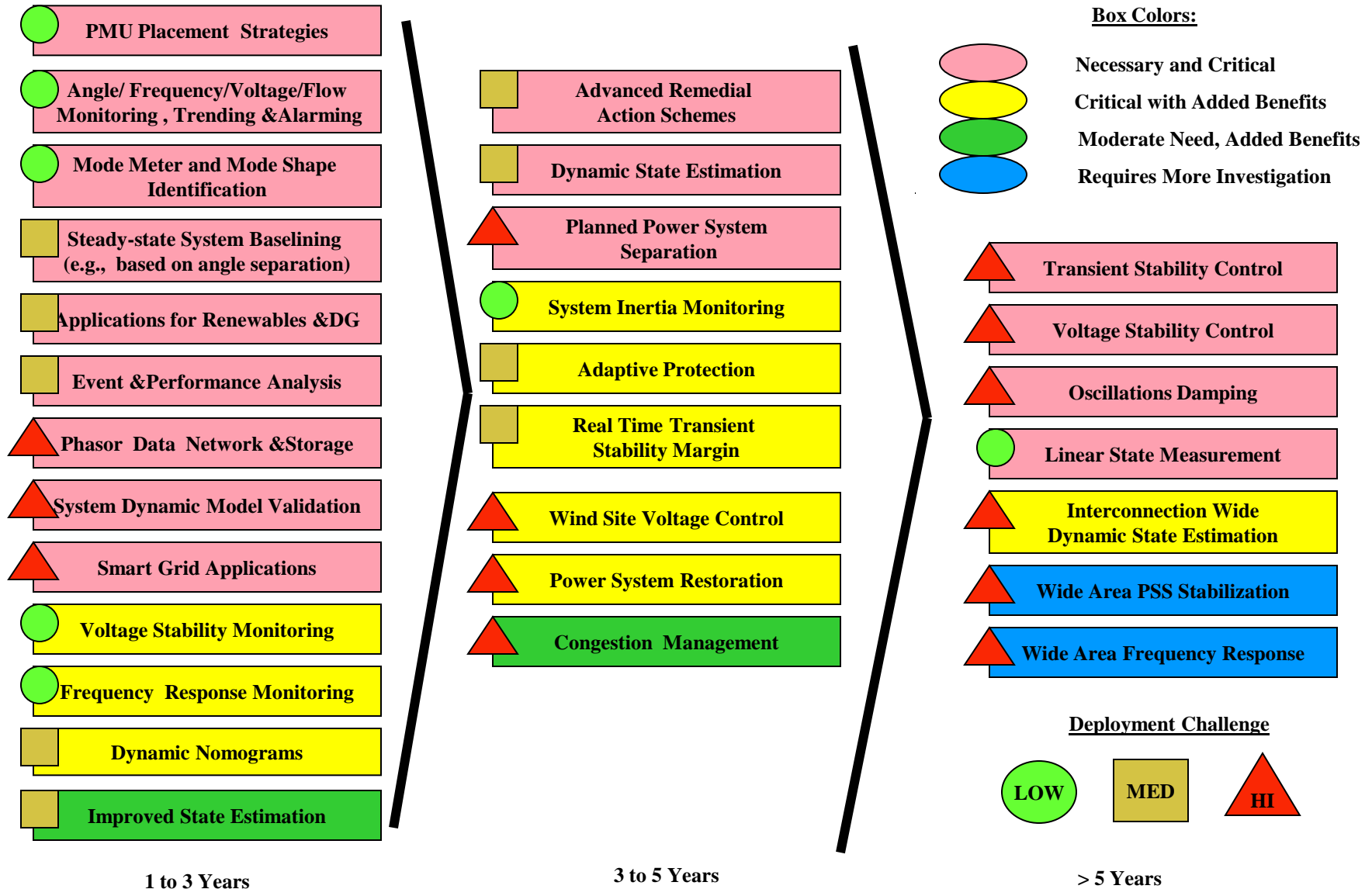
### Our Vision...

- The vision of the North American SynchroPhasor Initiative is to improve power system reliability through wide-area measurement, monitoring and control.

### Our Mission...

- The Work Group's mission is to **support the creation** a robust, widely available and secure synchronized data measurement infrastructure for the interconnected North American electric power system with associated analysis and monitoring tools for better planning and operation, and improved reliability.

# 2010 NASPI Roadmap for Synchrophasor Applications)



# NASPI Roadmap

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- Develop two roadmaps
  - Technology Roadmap
  - Research Roadmap

# Research Repository

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- A team led by Yuri Makarov plans to develop a paper on the Repository.
- Suggestions:
  - Repository should also contain reports such as the RAPIR report and information on the SGIG PMU-related projects.
  - Organize keywords so that NASPI website or Repository can appear prominently in searches (general website improvement)
- **Comments are sought for Makarov's paper, ideas on improving the Repository, and additions to the Repository**

# Success Stories

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- A two-page template has been developed to make it easy to post success stories.
- Only success story posted is the Entergy Hurricane Gustav restoration.
- Some suggestions:
  - EPG working to develop on CAISO event
  - TVA generator unit oscillation monitoring
  - Revisit some earlier success story EIPP and NASPI presentations.
- **Develop a few new success stories in the next few months**



# Researcher NDA

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- The plan is to provide researchers with 10 PMU of “big” disturbances and clear-sky data sets
- Gather input on usefulness on a PMU-only datasets for researcher.
- It is planned to revisit the write-up on research data set, developed several years ago.

# Action Items

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## Publish Draft White Paper on PMU Placement

- Purpose: Guide to PMU users with no or little background on synchrophasor applications
- Many placement documents referenced
- Consider optimal PMU placement to satisfy multiple criteria
- A draft version by will be released in October

Join RITT

Publish abstracts to Research Repository