

DOE/OE TRANSMISSION RELIABILITY PROGRAM

North American Synchrophasor Initiative (NASPI) and
Advanced Applications Research and Development (AARD)

Internal Program Review

June 27-28, 2013

L'Enfant Plaza Hotel | 480 L'Enfant Plaza Hotel SW, Washington, DC 20024

RENOIR ROOM—Second Floor

Meeting logistics: Dana Robson, LBNL (cell: 415-335-1679)

Draft Agenda

Thursday, June 27 (Day 1)

7:30 am Morning refreshments available

8:00 am Welcome, Introductions, DOE remarks
Joe Eto, Lawrence Berkeley National Laboratory
Phil Overholt, US DOE, OE Transmission Reliability Program

SESSION I (all sessions allow 20 minutes for presentations/10 minutes for Q&A)

8:30 am Baseline Studies and Analysis
Bharat Bhargava, Electric Power Group

9:00 am Baseline Studies and Analysis
Brett Amidan, Pacific Northwest National Laboratory

9:30 am Synchrophasor Standards Support and Development
Ken Martin, Electric Power Group

10:00 am Break

SESSION II

10:30 am Advanced Synchrophasor Metrology
Stan Hadley, Oak Ridge National Laboratory

11:00 am GPS Issue Management
Mark Buckner, Oak Ridge National Laboratory

11:30 am Technology Assessment for Next Generation PMU
Mark Buckner, Oak Ridge National Laboratory

Noon Lunch and group discussion

SESSION III

1:00 pm Measurement-Based Stability Assessment
Dan Trudnowski, University of Montana

1:30 pm Mode Meter Development
Ning Zhou, Pacific Northwest National Laboratory

2:00 pm Spectral Analysis of Power Grid PMU Data
Ning Zhou, Pacific Northwest National Laboratory

2:30 pm Modal Analysis for Grid Operations (MANGO)
Ning Zhou, Pacific Northwest National Laboratory

3:00 pm *Break*

SESSION IV

3:30 pm Dynamic System Identification Toolbox Capabilities Update
Frank Tuffner, Pacific Northwest National Laboratory

4:00 pm Model Validation Project
Bernie Lesieutre, University of Wisconsin

4:30 pm Analysis of Emerging Multi-Terminal HVDC
Harold Kirkham, Pacific Northwest National Laboratory

5:00 pm Wind power plant modeling and stability analysis using PMUs
Yingchen (YC) Zhang, National Renewable Energy Laboratory

5:30 pm *Adjourn Day 1*

6:30 pm No-host Dinner

Bistro D'Oc
518 Tenth Street NW, Washington DC
Upstairs dining room

Friday, June 28 (Day 2)

7:30 am Morning refreshments available

SESSION V

8:00 am Synchrophasor Data Validation
Ken Martin, Electric Power Group

8:30 am Synchrophasor Data Conditioning and Validation
Jim Thorp, Virginia Tech

9:00 am Voltage Stability
Joe Chow, Rensselaer Polytechnic Institute

9:30 am Development and Testing Oscillation Management System (OSM)
Vaithianathan (Mani) Venkatasubramanian, Washington State University

10:00 am *Break*

SESSION VI

10:30 am Automatic Reliability Reports (ARR) Research & Implementation
Alejandro Dominguez-Garcia and Pete Sauer, University of Illinois

11:00 am Automatic Reliability Reports (ARR) Research & Implementation
Carlos Martinez, ASR, Inc.

11:30 am Reliability Standards Analysis and Assessment
Gil Tam, Electric Power Group

Noon Wrap Up, Joe Eto

12:30 pm *Adjourn*