# IEEE PES GENERAL MEETING 2015

## MINUTES

**NAME OF MEETING:**  DSA WG on State Estimations for Distribution Systems

**PLACE OF MEETING:**  Tower Court D
Sheraton Downtown Denver

**DATE AND TIME:**  <u>Tuesday July 28, 2015</u>

10:00AM – 11:00AM ET

**CHAIRMAN/SECRETARY:**  Bikash C. Pal/ Ravindra Singh

Start: 10:00 AM

10:05 AM: Self introduction of the attendees and signing in

10:10 AM: Bikash started the discussion by highlighting progress after last WG meeting. The minutes are available on

http://ewh.ieee.org/soc/pes/dsacom/

10:15 AM: Bikash invited the comments from attendees on "Available measurements and their integration for DSE"

- Anthony from SCE informed that the SCE pulls voltage and current information every fifteen minutes. They are working on SCADA scale frequency to obtain the measurements. Although there is full implementation of smart meters, they are not brought to the DMS. Jimmy Peng from Masdar Institute of Technology will come with a report on this.
- Micro PMU data is available, but used mainly for model validation
- Anthony will provide more information on measurements integration into the DSE.
- 3:56:  It was decided that during next GM a panel session on measurement integration will be organized.

  10:30   Next topic of discussion was "Functionalities of DSE and challenges"
- Anthony pointed out that model accuracy and reliability of the application is main challenge in DSSE functionalities
- Mesut from NCSU emphasized on reliable model over the SE method.
- Bikash informed that variability of tap setting due to renewable integration is a challenge and tap setting needs to be considered as a state variable in DSE.
- Sara from Imperial College is looking into this aspect.

- Sara and Bikash from Imperial College will look into this task and come up with a report by December 2015.

10:45 AM: Subsequent topics of discussion were on architecture, communication requirements, and cyber security aspects of the DSE

- Regarding architecture, both centralized and decentralized architecture are needed. Ravindra will look into this aspect.
- The communication will be application dependent
- Cyber security is not a concern at this moment. It is assumed that the information comes from a secure source.

10:55 AM: Bikash will coordinate with Calvin to finalize the Panel session.

All the topic/strand leads are requested to communicate to the secretary/Chair with draft report by the middle of the December 2015

11:00 AM: Adjourn