

Massachusetts Technical Standards Review Group (MTSRG)

Chair: Babak Enayati, National Grid
Vice-Chair: Michael Conway, Borrego Solar Systems

MTSRG Meeting #2

Date: September 16, 2013

Time: 9AM-4PM

Location: National Grid's Worcester Office
(Address: 939 Southbridge St, Worcester, MA 01610) Auditorium

Agenda

- 1) The meeting kick off by Babak and introduction 5 mins
- 2) Review and approval of the MTSRG Guidelines 10 mins
- 3) Status of the company specific interconnection standards 5 mins
- 4) Status of data tracking for Expedited Screening 67% vs 100% min load 10 mins

5) Changes to the Utility Practices 9:30 AM-10 AM

- RTU
- Recloser requirement at the PCC
- 3MW PV limit on the 15kV class feeder
- DTT
- Minimum Load Estimation

6) Interface transformer configuration, effective grounding requirements 10AM-10:45AM

1. Utility Practices:
 - What is the threshold to require effectively grounded source?
 - What are the acceptable interconnection transformer configurations?
 - When is grounding bank required? How should a grounding bank be sized?
2. Discussion

7) Customer relaying redundancy (independent of generator) 10:45AM-11:45AM

1. Utility Practices:
 - What is the threshold to require redundant relay?
 - Which relays are acceptable?
 - Location of the interrupting device for each interconnection transformer configuration.
 - Are remote motor-operators permitted for customer disconnects?
2. Discussion

8) 15 mins break

9) Lunch 12 PM-12:30PM

10) Reverse power flow provisions, Substation Transformers, Requirements (3V0 and N-1 screening) 12:30AM-1:15PM

1. Utility Practices
 - Is reverse power flow allowed?
 - What are the required substation upgrades if reverse power flow is allowed?
2. Discussion

11) Networks, interconnection of PV installations \leq 1/15 (simplified applications) 1:15 PM-2PM

1. Utility Practices?
2. Discussion (Is 1/15 minimum load a good criteria? Should it be increased?)
3. Zero-export projects and queue-jumping

12) Tariff definitions 2PM-3PM

1. Utility Practices?
 - “Moderate and Significant change” Babak has drafted a list of moderate and significant changes to start the discussion.
 - “Electrical dependence” CA definition; if the output of the DG combines with the output of any earlier queued or existing DG, the facility is “electrically dependent”
2. Discussion

13) 15 mins break

**14) IEEE 1547a and IEEE 1547.8 updates?
3:15PM-3:30PM**

**15) Power factor requirements
3:30PM-4PM**

- What is the PF requirement at the PCC?
- Is the generator allowed to regulate the PCC PF?

Any other thoughts for the next meeting?

Set date for special meeting to address DPU order 11-75 task

Adjourn 4PM