

## MDMS2 January Conference Call Minutes January 22, 2108

The call was attended by the Working Group members representing the all the TOs and the NYISO (see Attachment A). After the roll call, Dr. Yi Hu of Quanta Technology led the review of the status of the action items from the December kickoff meeting and additional discussions on the following topics:

- Further clarification of information access related to the first action item
  - For accessing MDMS1/MDMS2 info in the Dropbox, WG member will need to sign a NYSRC NDA
    - Signed form shall be sent to Yi Hu for gaining access to the Dropbox
    - Note: A question has been asked if a TO can sign just one NDA for all of its WG members – NYSRC has checked this after the meeting that each WG member needs to sign one NDA individually
  - Each WG member to request NYISO CEII info (e.g. NYSIO CSSS report) directly from NYISO per its CEII info request process
- Regarding a TO's question whether a TO's own NDA should be used
  - Mr. George Smith of NYSRC provided the answer from Paul Gioia, the NYSRC's counsel that that in order for the TOs to have access to NYSRC's material, NYSRC's NDA should be used. TO's own NDA is for the TOs to share its own confidential information to the MDMS2 WG. Since Quanta Technology is the direct recipient of the materials from the TO's and will be installing it into the stability cases, Quanta will need to sign the TO's NDA as required by each TO.
- Regarding specific information that each TO needs to provide for relays
  - A template will be provided for TOs to provide the requested exact relay information
- TOs should provide the best behind-the-meter DER forecast in each of their service areas/sub-areas that is available to them
- The due date for TOs to provide requested information has been extended to 2/2/2018
- Will not hold a February in-person meeting as was planned – a conference call will be scheduled in early February
- Dr. Yi Hu, with assistance from PSEG-LI, Con Ed, and NYPA to obtain the protection information for Y49/50, the NNC, and 901/903 circuits.

## Action Items

Item #	Description	Responsible	Due date	Status	Completion Date	Notes
1	Each WG member should obtain CEII clearance (Zach Smith) from NYISO for the access to the modeling data and NYISO reports (eg CSSS) containing CEII information. For reports under jurisdiction of the NYSRC (eg MDMS) and work performed under this project, each working group member should obtain CEII clearance from the NYSRC.	All	N/A	On-going		Will further clarify this in January meeting minutes
2	Quanta Technology to set up a "Drop Box" for WG access to the existing reports listed in the presentation slide, George Loehr's 1999 HVDC paper, and other WG discussion materials	Yi Hu	1/22/2018	Complete	1/22/2018	Two folders have setup: one for all WG members to access (no NDA required); one will require NYSRC NDA signed to get access.
3	Henry to send NYISO (Wes Yeomans) tentative five in-person WG meetings dates for future WG meetings at the NYISO offices and posting on the NYISO website	Henry Chao	1/22/2018	Complete	1/22/2018	NYSRC EC meeting dates are on NYSRC web site under EC
4	NYISO to provide the Quanta Technology team, upon satisfying the CEII requirement: <ul style="list-style-type: none"> <li>o the MDMS1 power flow and stability cases (summer and winter peaks, light and shoulder), together with lists of normal and extreme contingencies</li> <li>o Future planning power flow and stability cases for 2020 and 2023, together with the MW assumptions of behind-the-meter DERs (e.g., solar) in the cases</li> <li>o 2020 and 2030 load forecasts without the DERs.</li> </ul>	Quanta/NYISO	1/22/2018	Complete	1/22/2018	Quanta team members have received CEII clearance; <ul style="list-style-type: none"> <li>- Have received 2023 base case from NYISO</li> <li>- MDMS1 simulation cases to be received soon</li> </ul>
5	Each TO to provide its forecasts of behind-the-meter DERs in MW and locations in its services territories	TO WG members	2/2/2018			- Only have lump sum number, not location based (in the gold book)
6	Each TO to provide protection information on major lines spanning critical interfaces in the New York transmission system. The information required includes: primary and backup relay schemes, phase impedance relay zone settings in either per unit or as a percentage of line impedance and relay characteristic shapes (mho circle, quadrilateral or other). This information is required for 230 kV and above lines for the circuits listed in attachment C. If additional information is available for 115 kV and below circuits, that would be helpful	TO WG members	2/2/2018			- Ground unit is not important - NYPA and ConEd do most setting for 138 kV tie lines with Long Island
7	Check with NYSRC legal if a TO can sign just one NDA for a company or every WG member must sign the NYSRC NDS individually	George Smith/Yi Hu	1/26/2018	Complete	1/26/2018	Response received from NYSRC legal and added to the meeting minutes
8	Quanta to send the MDMS2 dropbox shared non-NDA folder to WG members	Yi Hu	1/26/2018	Complete	1/26/2018	Email has sent to each WG member
9	Prepare a draft spreadsheet template for TOs to provide relay info and send it to TO WG members	George Smith/Yi Hu	1/26/2018	Complete	1/26/2018	Template attached to the meeting minutes email to WG members

**Meeting Attendance**

<b>First Name</b>	<b>Last Name</b>	<b>Affiliation</b>	<b>1/22/2018 Call</b>
Anthony	Gorgone	PSEG	x
Bart	Franey	National Grid	
Curt	Dahl	PSEG	
Dan	Head	ConEd	
Dan	Taft	ConEd	
David	Mahlmann	NYISO	
Kevin	DePugh	NYISO	
Eric	Anderson	NYPA	
Frank	Pace	CenHud	
George	Loehr	NYSRC	x
George	Smith	NYSRC	x
Gizem	Polat	RGE	
Henry	Chao	Quanta	x
Herb	Schrayshuen	Power Advisor LLC	
Hugo	Bashualdo	Quanta	
James	McCabe	CMP Co.	
Lawrence	Hochberg	NYPA	
Michael	Forte	ConEd	
Michael	Razanousky	NYSERDA	x
Pramila	Nirbhavane	NYISO	x
Quoc	Lee	NPCC	
Robert	Grabovickic	National Grid	x
Roger	Clayton	NYSRC	x
Sunil	Palla	NYPA	
Wesley	Yeomans	NYISO	
Yi	Hu	Quanta	
Zack	Smith	NYISO	
Zarin	Schildhorn	CenHud	x