

From: Forrest, David [<mailto:dforrest@iso-ne.com>]
Sent: Tuesday, December 19, 2017 11:26 AM
To: 'Michael Brigandi'
Cc: [REDACTED]
Subject: RE: [EXT] Re: ISO-NE DER Ride Through implementation in MA

Because your response was a week late it does not appear that the TSRG will be meeting before January 1 to discuss your proposal. I have talked with Babak and he will be scheduling a meeting for the first week in January. To expedite any discussion I am providing ISO New England's response to your proposal. I would appreciate receiving any comments by December 29 to allow ISO-NE to respond to the comments at the January meeting.

1. By February 1, 2018, ISO-NE will issue a Ride-through Source Requirements Document finalizing setting parameters agreed upon in the 'MA Distributed Energy Resource (DG/DER) Projects – Inverter-Based Ride Through Requirements' document. **(This is a one month delay from your proposal.)**
2. By August 1st 2018, it is desired that Inverter manufactures create and put into production (for MA projects) a standard 'NE Regional Setting Group' that aligns with all default settings within the ISO NE Ride-through Source Requirements document and made available to all parties. **(ISO-NE agrees with this part of your proposal)**
3. All Inverter-based interconnection applications received on or **after March 1, 2018** will need to have UL1741-SA listed inverters with the capability to activate the new 'NE Regional Setting Group' (only applies field adjustable inverters). **Projects with applications received after March 1 that are 100 kW or less and will go into service prior to August 1 will be exempted from this requirement. (ISO-NE does not agree with delaying the date for the applications beyond March 1 because too many additional MW of solar will be installed without ride-through. Based on comments at the last meeting , ISO-NE proposes the exemption for smaller projects going into service prior to August 1)**
4. In MA, 'simplified applications' (those less than or equal to 15kw single phase or 25kW three phase) will not be subject to any setting changes indefinitely. **(ISO-NE understands that it is possible for manufacturers to apply the “New England “ settings prior to shipping inverters and proposes that this is how smaller projects would be handled after August 1)**
5. The implementation of the new ISO Ride-through settings will be delayed for all DG applications until August 1st 2018. (ISO-NE does not agree to this)
6. One item in particular that was brought up by manufacturers is the fact that all aspects of the ISO NE Ride-through policy and proposed trip settings do not fit within the planned adjustability ranges of any one 'Category' (I, II or III) of the new IEEE 1547 full revision Standard. **(ISO-NE will adjust its requirements to Align with Category II)**

From: Michael Brigandi [<mailto:mbrigandi@borregosolar.com>]
Sent: Friday, December 15, 2017 11:32 AM
To: Enayati, Babak
Cc: [REDACTED]
Subject: [EXT] Re: ISO-NE DER Ride Through implementation in MA

Hi Folks,

Thank you for your patience. Please find below industry proposed policy language for the ISO Ride-through Requirements implementation. It should be noted that a significant effort was made to align all industry stakeholders on this language. There may be some lingering concerns on behalf of certain Inverter manufactures of which they can vocalize to the group during the comment period. One item in particular that was brought up by manufacturers is the fact that all aspects of the ISO NE Ride-through policy and proposed trip settings do not fit within the planned adjustability ranges of any one 'Category' (I, II or III) of the new IEEE 1547 full revision Standard. To this end, this policy below was written with the understanding that the proposed ISO requirements and therefore any regional setting group that are created to align with them will be acceptable to both ISO and Utilities in NE for the foreseeable future. This should also not be impacted by the adoption of the IEEE 1547 full revision by UL1741. Please let me know if you have any questions.

Proposed Policy Language...

All of the following criteria must be satisfied:

- 1. By January 1, 2018, ISO-NE will issue a Ride-through Source Requirements Document finalizing setting parameters agreed upon in the 'MA Distributed Energy Resource (DG/DER) Projects – Inverter-Based Ride Through Requirements' document.**
- 2. By August 1st 2018, it is desired that Inverter manufactures create and put into production (for MA projects) a standard 'NE Regional Setting Group' that aligns with all default settings within the ISO NE Ride-through Source Requirements document and made available to all parties.**
- 3. All Inverter-based interconnection applications received on or after August 1, 2018 will need to have UL1741-SA listed inverters with the capability to activate the new 'NE Regional Setting Group' (only applies field adjustable inverters)**
- 4. In MA, 'simplified applications' (those less than or equal to 15kw single phase or 25kW three phase) will not be subject to any setting changes indefinitely.**
- 5. The implementation of the new ISO Ride-through settings will be delayed for all DG applications until August 1st 2018.**

Thanks,

Mike Brigandi PE
Director of Grid Integration



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