

Feedback Form

Transmission-Distribution Coordination Working Group (TDWG) – May 16, 2022

Feedback Provided by:

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Following the May 16th Transmission-Distribution Coordination Working Group meeting, the IESO is seeking feedback on a number of questions related to transmission-distribution coordination.

Please provide feedback by June 6th, 2022 to engagement@ieso.ca. Please use subject header: *TDWG*. To promote transparency, this feedback will be posted on the [TDWG webpage](#) unless otherwise requested by the sender.

The IESO will work to consider and incorporate comments as appropriate and provide responses at the next TDWG meeting. Thank you for your contribution.

Specific Questions for Comment/Feedback

Topic	Feedback
<p>Are there any suggestions to improve the working definition of T-D interface?</p>	<p>Current IESO Definition: <i>"T-D Interface (working definition): the physical locations (e.g. structures, equipment, etc.) at which the IESO-controlled grid and the distribution systems interconnect E.g. typically at a major substation that reduces the voltage level as the electric topology transitions from networked to radial"</i></p> <p>Comments: We would like the IESO to clarify the boundary of the "IESO controlled grid". The T-D definition seems to imply that the IESO has visibility into all substations connected to the TX system. This is not the case for many of our stations. The IESO often only sees the bus configuration, but does not have visibility to the feeder breakers. Also, the IESO does not have much visibility within the High Voltage Distribution Stations which are fed from the 115kV system. As a result, we recommend the IESO not include the example in the definition.</p>
<p>What communications take place between LDCs and third party aggregators in real-time/near real-time today, if any?</p>	<p>Hydro One does not currently deal with third party aggregators, but does deal with contracted DER service providers which operate individual DER sites.</p>
<p>Any comments on the coordination models proposed to be explored in the TDWG?</p>	<p>We are supportive of the IESO's proposed focus on the Total DSO and Hybrid DSO coordination models. Focusing on these two models will allow time for the industry and decision makers to determine the roles and responsibilities for utilities in the future.</p>

Topic	Feedback
<p>What are existing procedures for de-rating DERs or instructing DERs to go/remain offline? I.e. What conditions would warrant distributor "override" of DERs' schedules/dispatch from the IESO?</p>	<p>Interruptions to supply and restoration procedures are common "override" conditions that we manage on a case-by-case basis. However, generally, HONI's Technical Interconnection Requirements for DER require the DER to remain disconnected from our feeder if the supply has been interrupted for 15 minutes. The capacity of the DER facility will dictate how they reconnect to our system. For micro-fit DER, they can connect automatically after 15 minutes, and for larger DER sites, they require approval from the Controlling Authority / Utility.</p> <p>We also have DER rules when a planned outage requires the DER to be supplied from an alternate feeder. When a DER is connected to an alternate feeder, with no transfer trip, the DER output must be <50% of minimum forecasted load of the feeder.</p>
<p>Any feedback on the Hydro One Sub-Transmission System presentation?</p>	<p>No comments from HONI. Thank you for the opportunity to present.</p>
<p>Any feedback on the Entegrus T-D Coordination Considerations presentation?</p>	<p>We liked the term "D-D Interface" that Entegrus used. As mentioned by Entegrus, most LDC's are connected to the system by a "D-D Interface", rather than the "T-D Interface". We suggest that the IESO adopt this into the coordination protocols and create a definition for "D-D Interface".</p>
<p>Do EPRI's scenarios and methodology for the DER Scenarios & Modelling Study make sense? Any suggestions?</p>	<p>EPRI's scenarios and methods did make sense to us and we enjoyed the presentation. While the presentation was very interesting, the topics EPRI presented are outside of the scope of the TDWG. We feel it would be more valuable and appropriate to obtain comments and suggestions from other working groups related to this presentation (eg Markey Vision Project etc).</p>

General Comments/Feedback

A lot of great information has been shared in the two sessions so far. We are hopeful that the upcoming sessions will identify issues that are in line with the TDWG terms of reference. We look forward to collaborate with LDC partners and stakeholders during these sessions and to properly inform the Market Vision Project.