

Transmission-Distribution Coordination Working Group (TDWG)

Meeting #16 Notes

Meeting date: November 25, 2024

Meeting time: 9:00 – 12:00 PM

Meeting location: Virtual

Meeting Objective:

- Deliverable B1: Update on user journeys and gap analysis between existing capabilities of LDC and expected DSO capabilities.
- Deliverable B3: Debrief of workshop held on functional and business requirements of the shared platform.
- Provide a summary of EPRI's jurisdictional scan on DER Provided Grid Services within US and Europe.

Agenda Item 1: Introduction materials (IESO)

- Inna Vilgan opened TDWG meeting #16 and presented the recap slides on TDWG objectives, past meetings, and feedback questions for Meeting #16. As well, Inna informed the working group that deliverable B4: Architectural Assessment will be removed from the TDWG scope at this time given timelines for completing the group's work and as it may be better suited to be undertaken under another forum in the future.
- Brennan Louw informed the working group members that the TDWG will be working towards winding down its scope of work by the end of Q1, 2025. As well, he noted the OEB's Future Utility Business Models consultation will be kicking off in 2025 as will DER work under the IESO's Enabling Resources Program and he highlighted the importance of completing the TDWG's work so it can feed into these initiatives moving forward.

Agenda Item 2: Deliverable - B1: Update on user journeys and gap analysis between existing capabilities of LDC and expected DSO capabilities (Alectra)

- Ken Chadha (Alectra) presented slides to briefly highlight the status and next steps for the user journeys developed.
 - Alectra has been working on user journey mapping for the functional processes of the DSO within the three DSO models identified by the TDWG, under various scenarios, such as with and

without a shared platform, and in the context of an embedded LDC within a host LDC service territory.

- Resulting from a more detailed scope, the work has grown to comprise a lengthy presentation document which Alectra offered to share with working group members accompanied by sub-workshops to work through the materials together, subject to members' interest.
- Sunny Patel (Toronto Hydro) provided an overview of the gap analysis, including themes and questions of a planned survey, along with next steps for both the user journeys and gap analysis, noting the importance of ensuring alignment with Deliverable A: Coordination Protocols.
- There was a question about whether LDCs would be bound to implementing one of the three coordination models or whether they would have flexibility in choosing a model for implementation. The Alectra team responded that this type of question would ultimately be best suited for the OEB to consider, and noted the increased cost and complexity associated with having all three types of models co-exist within Ontario.

Agenda Item 3: Deliverable B3 - Debrief of workshop on functional and business requirements of the shared platform (Alectra)

- Sehaj Ghuman (Alectra) presented on the workshops that took place to flesh out the functional and business requirements of the shared platform.
 - Workshops were held with TDWG members to conceptualize the requirements for a one stop shop shared platform where different system actors can exchange information for the purposes of coordination.
 - Requirements were defined from a grid services (types of services and stacking), pre-market operations (registration, data collection), market operations (bid/offer submission, telemetry) and post market operations (M&V, settlements) perspectives.
- Alectra informed the group that the requirements document product would be divided into an administrative component and a coordination and market component. The documentation will be shared with working group members for feedback in Q1 of 2025.
- There was a question regarding how users would interact with the platform (e.g. putting in requests for and receiving data). This created a discussion around information that is needed to be communicated urgently versus information that can be checked on periodically on an as-needed basis, and the importance of defining timeframes for frequency of information exchanges.
- Another member echoed the importance of delineation between real-time and post-market information and data exchanges/communications using the platform and the need to align on this topic between the B1 and B2 deliverable teams.

Agenda Item 4: Jurisdictional scan on DER Provided Grid Services (EPRI)

- Tanguy Hubert (EPRI) outlined the purpose of the jurisdictional scan, which set out to learn about DER provision of grid services to both distribution and wholesale levels within other jurisdictions in the US and in Europe, such as California and New York, the UK, France, Sweden, Germany and the Netherlands.

- Aslan Waleed and Will Taylor (EPRI) provided overviews of the various jurisdictions within US, including FERC O2222, the types of services being provided by DERs, how service stacking is enabled, types of aggregations for participation, and specific types of programs and projects undertaken.
- Mo Cloonan (EPRI) focused on European wholesale electricity markets and services, including trading platforms and anticipated changes such as lowering of participation thresholds for DERs and development of new 'network codes' or, in other words, market rules/processes.
- Mario Couto (EPRI) then discussed European distribution markets and programs, highlighting platforms currently being used and the challenges being faced by different regions.
 - Questions were asked about the types of DERs participating in Demand Response (DR) programs, i.e. residential, commercial, industrial and whether certain resource types were more common over others. In response, EPRI noted that all three types are included with some programs more narrowly defining resource eligibility for programs. Generally, majority of DR consisted of load reduction by curtailment of load facilities.

Action Log Summary

IESO staff maintain an ongoing action log to track actions related to TDWG meetings and their resolution. The log will be reviewed at the start of each TDWG meeting.

Date	Action	Resolution
Jul 26, 2024	IESO to circulate meeting notes among TDWG members by Dec 2	
Jul 26, 2024	TDWG members to provide comments via feedback form and send to engagement@ieso.ca by Dec 16	
Jul 26, 2024	IESO to post all meeting materials to the TDWG webpage by Dec 23	