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Registration Timelines

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Webinar Participation (including audio)

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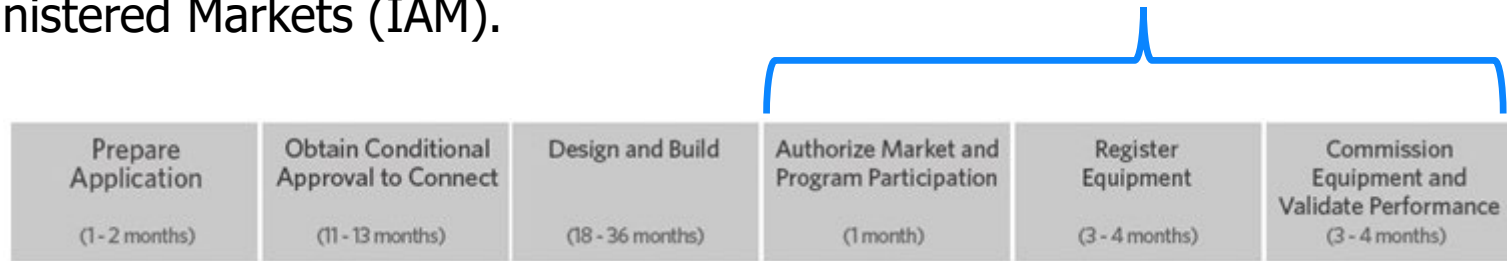
Purpose

- Review what “registration” is and why it is important
- Provide a description of a change to registration timelines:
 - Change types
 - Minimum period
- Provide clarity that starting times should be based on the average period
- Next Steps

The Connection Process

A market participant with a new or modified facility must go through some or all of the steps below before the change can participate in the IESO Connected Grid (ICG) and IESO Administered Markets (IAM).

Registration refers to both authorization and register equipment; however, completion of the registration process includes the completion of commissioning.



Overview of the Connection Process

<https://ieso.ca/en/Sector-Participants/Connection-Process/Overview>

Why is registration important?

To operate the IESO Connected Grid (ICG) and IESO Administered Markets (IAM), we must have detailed information of every participating asset and load that is incorporated into our tools.

The information is needed by various teams within the IESO to develop operating limits, complex power system models, market dispatch inputs, operator training, etc.

Why is registration important? (Cont'd)

Errors in providing this information or executing IESO work could lead to:

- Ineffective or inaccurate monitoring of the power system – leading to security issues
- Inefficient dispatch schedules to the market – impacting participants and consumers

This effort is administered via the registration process – to ensure new or modified facilities can be successfully integrated.

Registration Timeline

Change Type

New or modified facilities fall into common categories of change. For example, all new loads have a common set of steps to be integrated.

The IESO will publish a new manual that establishes these timelines, a minimum period and an average period, for each type of change.

Registration Timeline - 2

Minimum Period

The minimum period is the time required by the IESO to integrate a change without participant issues or delays, stated in business days.

A desired in-service date must be equal or greater than the minimum period from the date of submission.

The IESO will not accept in-service dates less than the minimum period as late submissions could impact reliability or market efficiency.

Registration Timeline - 3

Average Period

This average is provided for informational purposes only and is intended to help participants plan their projects accordingly.

This is due to the reality that submissions are often incomplete, or issues arise that need to be resolved prior to in-servicing, and addressing these will delay integration with the IESO.

Registration Timeline - 4

Average Period Cont'd

Therefore it strongly recommended that participants consider starting earlier than the minimum timeline by considering the various risks that could occur during integration.

In order to assist participants, the IESO will publish the average period that indicates how long a particular change type typically takes, calculated based on a running average of past projects, stated in calendar days.

Minimum Period

Change Type	Minimum Period
Register and Authorize Organization	40
Organization Role Change	30
New Generator or Load	90
New or Modified Equipment (other)	60
Telemetry Only Update	90
Like-for-like Switching Device	20
Commissioning	90
Market Parameter Updates	10

Remedial Action Scheme (RAS)

- A RAS is a control that automatically operates equipment in the ICG according to configurable conditions.
- Evaluating and modelling a RAS is a complex process. In addition to obtaining Northeast Power Coordinating Council (NPCC) approval to operate the RAS, integrating the logic, telemetry, contingencies, limits, training and more is quite resource intensive for the IESO.
- To accommodate all these tasks to be completed prior to the targeted in-service date, market participants should engage with market registration at least nine calendar months in advance.

Average Period

The average period is tracked with more granular categories. The following is a sample.

RAN	Duration		
	Minimum	Average	Maximum
Authorization	0	33.2	422
New Generator	64	257	632
Updated Generator	0	265	1715
Commissioning	3	418.7	1750

Additional Considerations

The System Impact Assessment (SIA) issued by the IESO is a reliability assessment. To improve the overall system integration process, the IESO may include additional timeline requirements for participants in the SIA, as some issues would be better addressed prior to registration.

Opportunities to identify these issues earlier are being explored, for example connection applicants will be asked to complete a questionnaire. It is worth noting that any flagged items could affect the timelines.

Applicants and participants are encouraged to engage with market.registration@ieso.ca as early as possible to avoid complications.

Stakeholder Feedback and Next Steps

- The IESO is targeting the 2023-Q1 baseline for the new guide.
- Feedback received during stakeholdering and the baseline process will be taken into consideration.
- The minimum period will be strictly adhered to by the IESO once the guide is officially published.
- Please use the feedback form found under the October 24 entry on the [Registration Timelines engagement](#) page to provide feedback and send to engagement@ieso.ca by November 14, 2022.

Thank You

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