

MAY 3, 2023

IESO Connection Assessments Process

Connection Assessments Team
IESO

Objective

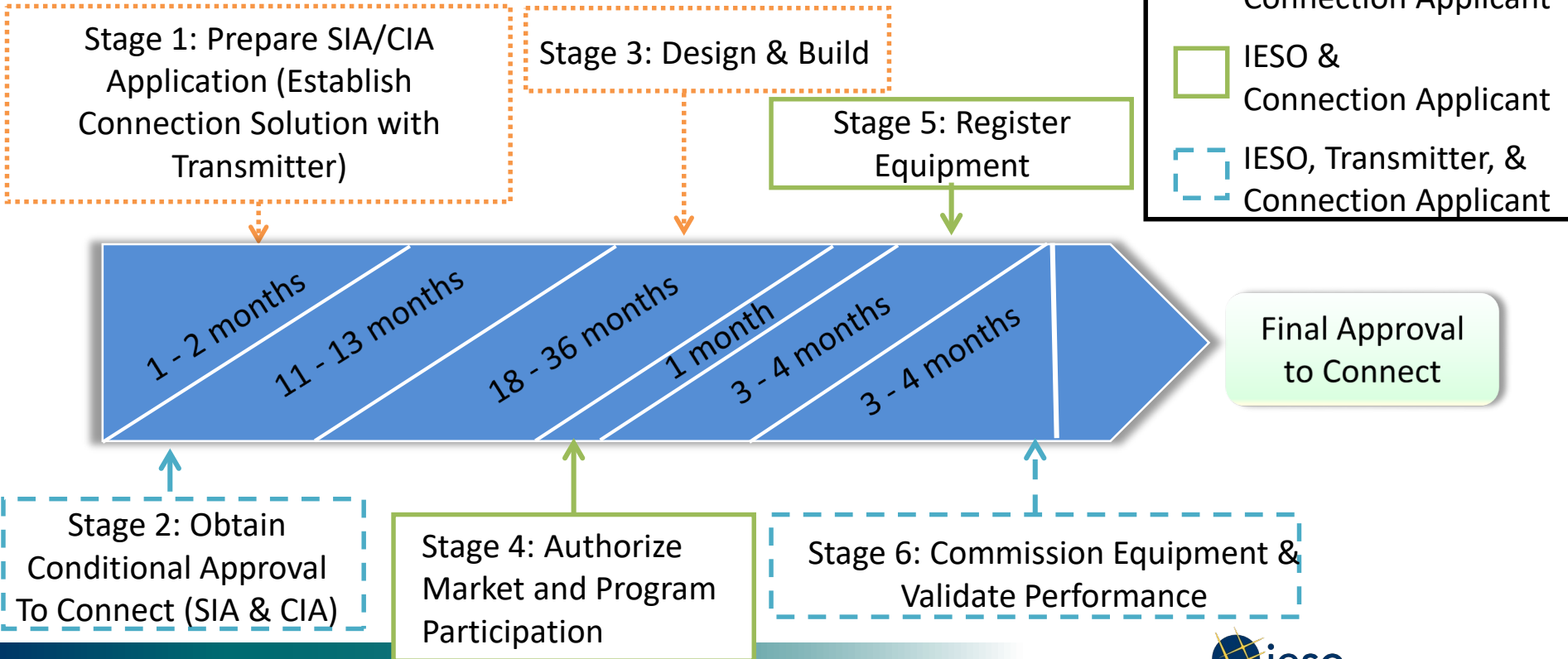
- Inform Procurement Participants of the processes to connect to the IESO-Controlled Grid (ICG) and participate in the IESO-Administered Markets (IAM)
- The IESO is committed to supporting successful Procurement Participants and their connection hosts (transmitters or distributors) to bring their projects into service in a timely manner

IESO's Connection Processes

To connect to the ICG or participate in the IAM, a project needs to participate in the:

- Connection Assessment and Approvals (CAA) process consists of:
 - the System Impact Assessment (SIA) carried out by the IESO; and,
 - the Customer Impact Assessment (CIA) performed by the Transmitter
- IESO's Reliable Integration Process
 - Market Registration; and,
 - Commissioning and Performance Validation

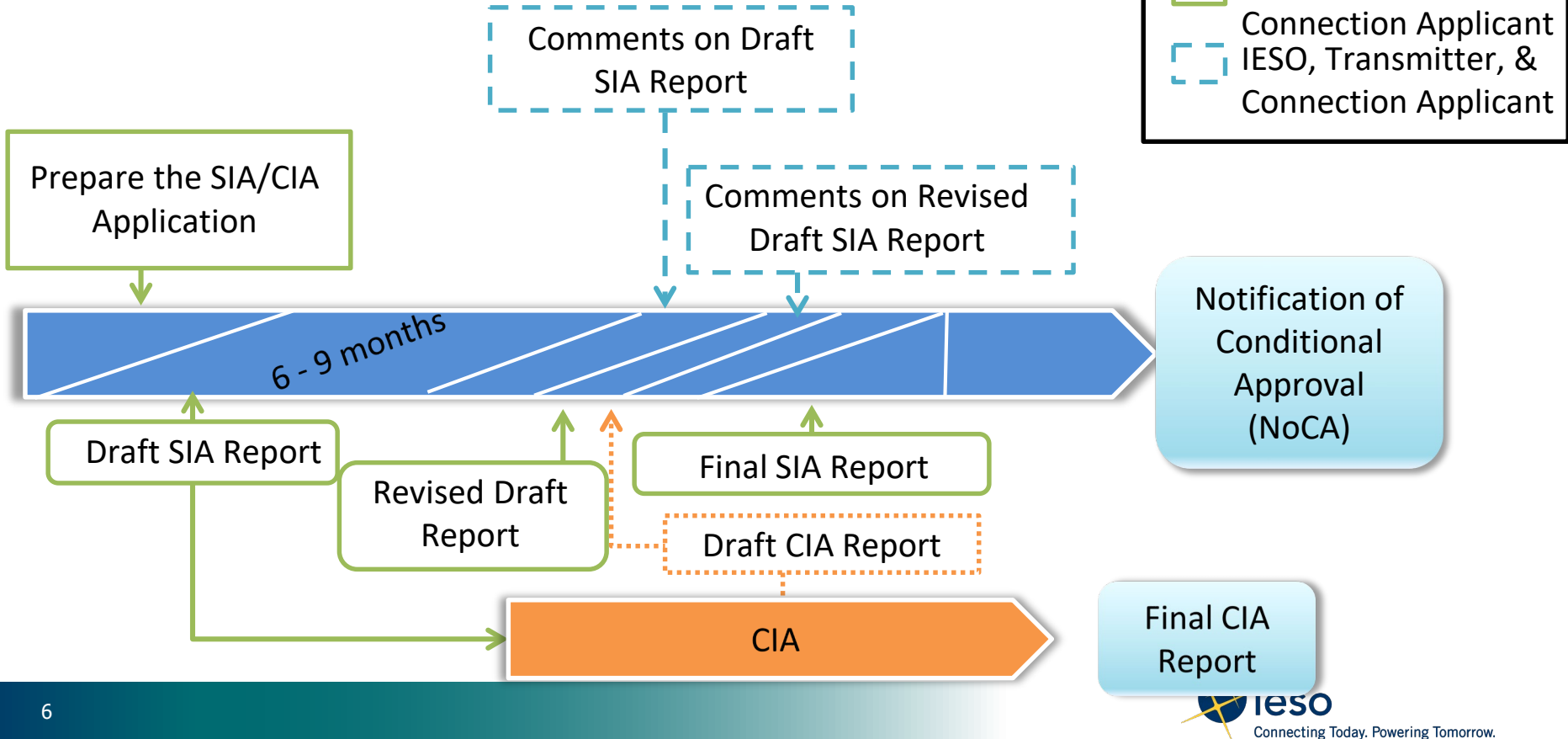
Connecting to the ICG



Connection Assessments and Approval (CAA)

- Specific to generation and storage projects, the CAA process is applicable to:
 - Connection applicants seeking to establish a new or modified connection to the transmission system
 - Distributors connecting new generation/storage facility greater than 10 MW to their distribution system.
- Please visit IESO's website ([Connecting to Ontario's power system webpage](#)) for more information on the process

The CAA Process



Stage 1- Prepare the SIA/CIA Application

- Identify the connection point(s) and preliminary design requirements by contacting the owner of the system you intend to connect to
 - Connection arrangements must be agreed to by the connection applicant and transmitter before initiating the SIA application.
- Collect the technical data required to prepare the application
 - The [application forms](#) indicate what information is required

Reliable Integration

Reliable Integration includes activities the IESO performs to integrate the new or modified facilities into its systems.

- Register Equipment:
 - Your organization should begin the process to register your facility equipment in [Online IESO](#) at least 9 months before its first energization to the grid
- Commission Equipment and Validate Performance:
 - Equipment installed at your facility is tested to confirm that it meets the requirements established in the NoCA
 - A project must meet all applicable market rule requirements to receive the final approval to connect – E.g. [Chapter 4 Appendices](#) and [Market Manual 1.6](#)



Questions ?

Thank You

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