Participant Readiness Memo

To: **MRP External Stakeholders**

From: Market Renewal – Market Participant Readiness Team

Date: February 13, 2023

Re: Updated Technical Specifications, Schema and Sample Files for MIM and Dispatch Services for MRP

As part of the Market Renewal Program, changes are being made to the way Market Participants will interact with two of the IESO's market systems – in particular, the Market Information Management (MIM) and the Dispatch Services application. These applications are currently used by dispatchable Market Participants to submit bids and offers for the physical market and to receive dispatch instructions from the IESO. Dispatchable Market Participants that interact with the IESO through an Application Programming Interface (API) will need to make changes to their API systems prior to MRP in-service, in May 2025.

To assist Market Participants in preparing for these changes, the IESO will provide an updated technical specification and sample files for the following applications:

- Market Information Management (MIM)
  - The **XSD** file will have an updated schema containing new and modified XML tags that dispatchable participants can use when submitting their bids or offers to MIM.
  - The **WSDL** file will provide new and updated operations that Market Participants can use when connecting to MIM via web services.
  - The **MIM Web Services Toolkit** will contain a Java program that Market Participants can use to test their API program's connectivity and functionality with the IESO's MIM web service. Market Participants will be able to use this tool

to query, submit and/or delete bids and offers in MIM. This program will be made available in late 2023 and is intended for testing purposes only.

- o Sample web services request and response files will also be provided in a separate folder for Market Participants.
- Dispatch Services
  - o The **Dispatch Notification Service Web Service Design Specifications (SPEC-155)** will be updated to include a list and description of new and modified fields that are included in the dispatch instructions that Market Participants receive from the IESO.
  - o The **Dispatch Service Web Service Design Specifications (SPEC-154)** will also be updated to include a list and description of new and modified fields that Market Participants can use to retrieve and respond back to the dispatch instructions that are sent from the IESO.

The updated documents, description language, schema, and sample files will be posted on the Market Participant Readiness page of the IESO website. The table below outlines when to expect these files and timelines for the activities that Market Participants should undertake to prepare for these changes.

On or before February 20, 2023	Release of XSD and WSDL files for MIM API.
February 21, 2023 until the start of Market Trials (July 2024)	Market Participants should verify access to their MIM API accounts in Sandbox and Production, and begin to assess the ability of their internal tools to conform with the system changes to MIM. Once they have completed their assessment, Market Participants can also use this opportunity to start building the changes within their internal tools to prepare for MIM Sandbox testing in July 2024.
On or before March 30, 2023	Release of updated technical specifications for Dispatch Services API: • SPEC-154: Dispatch Service Web Service Design Specifications • SPEC-155: Dispatch Notification Service Web Service Design Specifications

March 31, 2023 until the start of Market Trials (July 2024)	Market Participants should verify access to their Dispatch Services API accounts in Sandbox and Production, and begin to assess the ability of their internal tools to conform with the system changes to Dispatch Services. Once they have completed their assessment, Market Participants can also use this opportunity to start building the changes within their internal tools to prepare for Dispatch Services Sandbox testing in July 2024.
Q4 2023	Release of updated MIM Web Services Toolkit.
Q1 2024 to Q2 2024	Connectivity Testing: Market Participants will be able to confirm if their accounts and internal tools can successfully connect to MIM and Dispatch Services in Sandbox.
Q3 2024 to Q4 2024	Market Trials: Market Participants will be able to test the changes to MIM and Dispatch Services in Sandbox.
Q1 2025 to Q2 2025	End-to-End Testing: Market Participants will be able to test the changes on all impacted market systems and verify that all dependent processes are functioning as expected in Sandbox.
May 2025	Market Systems Go-Live Market Participants will be able to implement their system changes for Dispatch Services and MIM in Production.

Please note that Market Participants will be able to test the changes in their API programs alongside the sandbox testing during the market trials period, beginning in July 2024. However, by providing these materials in advance, Market Participants will be able to plan with their IT resources and engage their vendors (if needed) to determine if their solutions are able to handle the new and amended parameters and operations that are introduced in each file. During Market Trials, two Sandbox environments will also be running in parallel. The new Sandbox environment will host these MRP changes, while the existing Sandbox environment will reflect the current market design. Further details will be provided as we move closer to the system testing work stream.

Preparing for Market Trials

To prepare for these changes, it is recommended that Market Participants check that their API accounts for MIM and Dispatch Services are up-to-date. If there are questions about your existing account such as custodian name changes, the username, and/or email address that is associated with your machine accounts in Sandbox or Production, please contact the IESO Customer Relations team at customer.relations@ieso.ca.

Resetting forgotten passwords can now be performed on the IESO Gateway platform using its self-service feature. Please follow the instructions on Section 4 of the attached "IESO Gateway User Guide" on how to perform password resets.

To create a new API account in Sandbox or Production, please have your *Rights Administrator* follow the steps under Section 8 of the attached "Part 1.3: Identity Management Operations Guide." Assign the following system access roles to your machine account to connect to Dispatch Services and/or MIM web services successfully:
- **Dispatch Instruction API**: Dispatch Services
- **Physical Market Trading API & Operational Reports**: MIM/EMI
  Note: An Applicant Representative must also create a user-resource relationship to submit bids and offers and receive dispatch instructions for their resources: go to Online IESO > Manage Resources > Modify User-Resource Relationships, and follow the steps on the screen.

If you experience issues in setting up a new API account or if you are unable to successfully access your existing API accounts that are being used for MIM and Dispatch web services, please contact the IESO Customer Relations team at customer.relations@ieso.ca.

Again, the IESO would like to thank our Market Participants for their continued support and cooperation. If there are any questions or concerns about this change, please contact the Market Renewal team at market.renewal@ieso.ca.