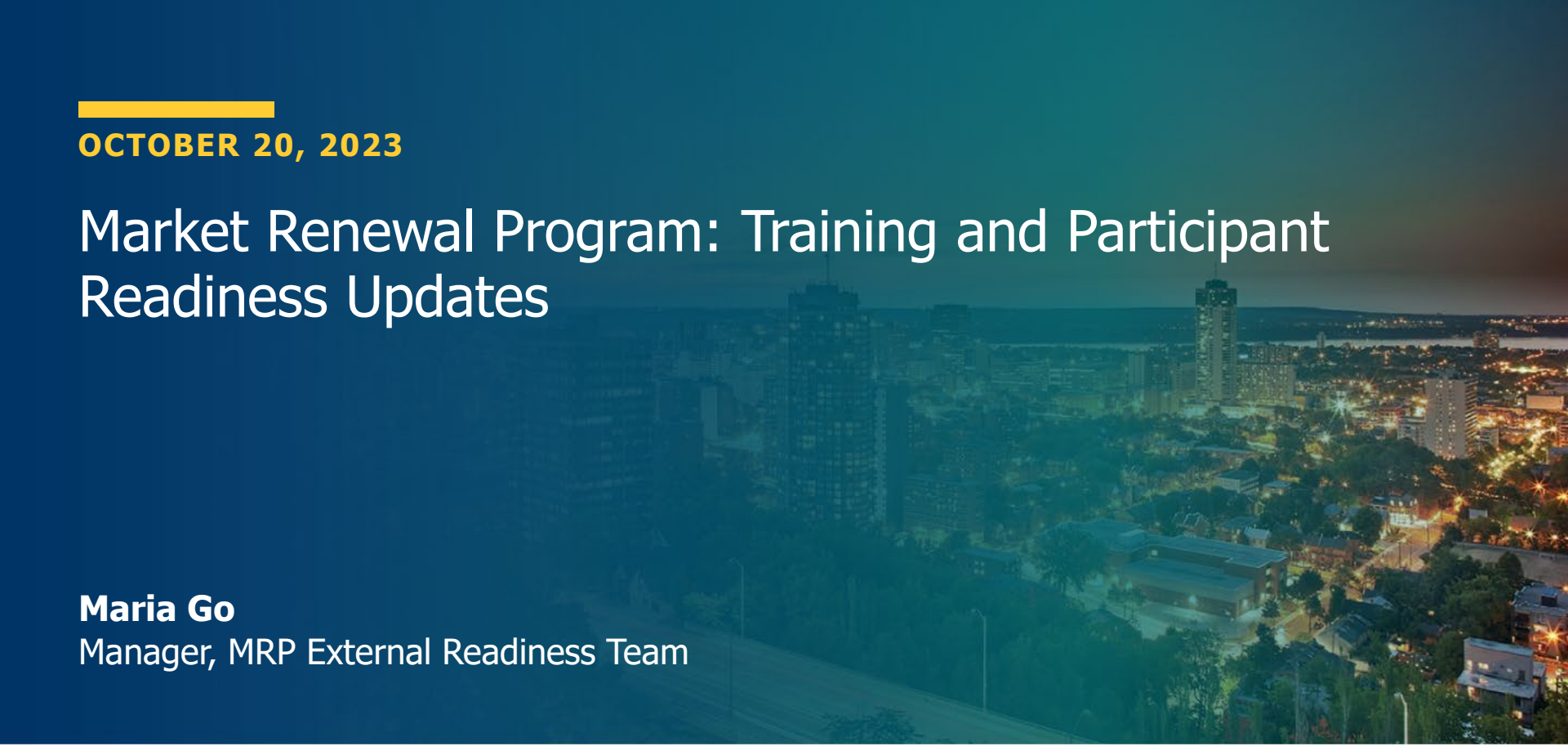


OCTOBER 20, 2023

Market Renewal Program: Training and Participant Readiness Updates

Maria Go
Manager, MRP External Readiness Team

ieso
Connecting Today. Powering Tomorrow.

Market Participant Readiness

The changes introduced by the Market Renewal Program (MRP) impact each market participant (MP) differently. Impact is based on multiple factors such as participation type, organization size, the complexity and automation in your systems, and your level of engagement in this program thus far. To help participants prepare for MRP Go-Live, the IESO has already begun to provide materials that support your planning and implementation activities, and will continue to provide more resources and additional support over the next 18 months.

Readiness Materials and Activities To-Date

In addition to the draft market rules and market manuals that were published on the MRP Implementation Documents webpage, the following materials and activities have been posted and completed to support market participant readiness.

In support of planning and assessment of market participant readiness:

- July 2022: 13 Day-In-The-Life documents
- March 2023: MP Readiness Checklist
- June 2023: Charge Types Mapping Summary
- July 2023: 1st Assessment Survey (small set of MPs)

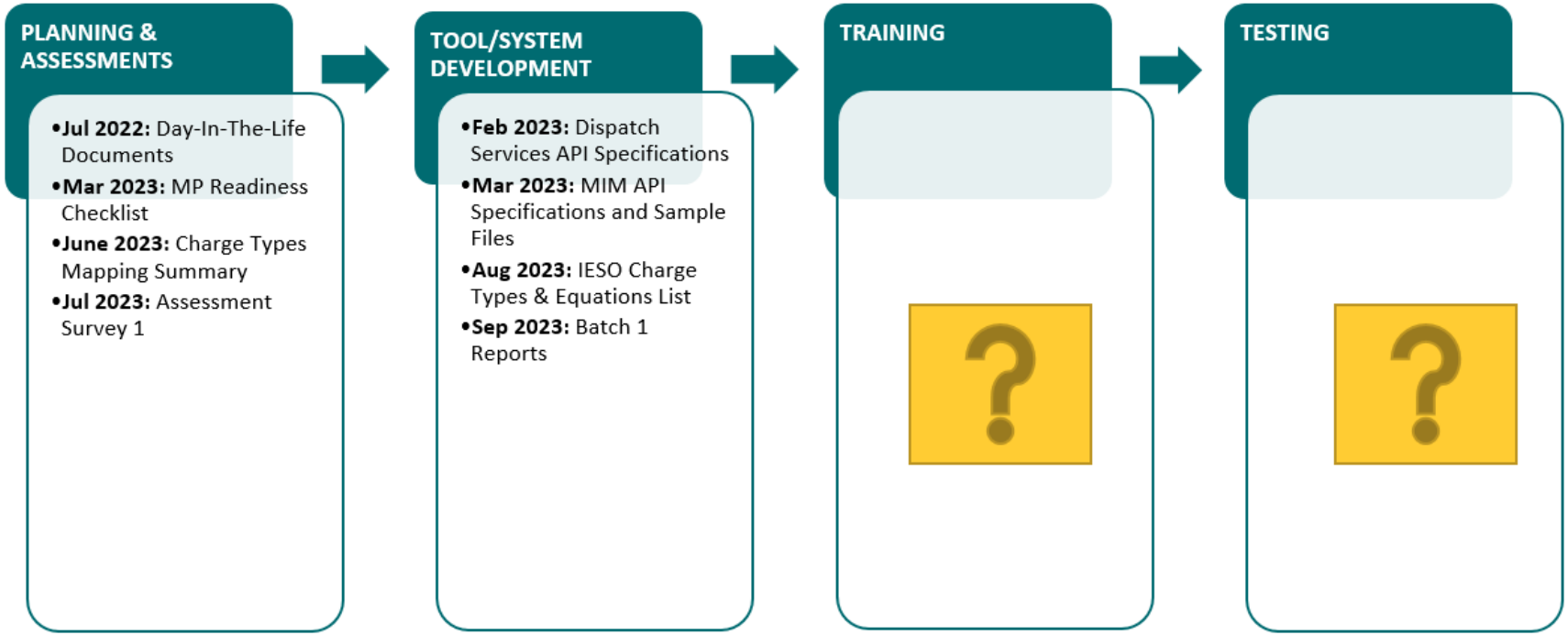
ieso
Connecting Today. Powering Tomorrow.

Readiness Materials and Activities To-Date (cont.)

The following materials have been posted to support market participants developing changes to their systems and/or processes:

- February 2023: Dispatch Services Web Services Design Specifications and Dispatch Notification Service Web Service Design Specifications
- March 2023: Market Information Management (MIM) Web Services XSD, WSDL, and Sample Request and Response Files
- August 2023: IESO Charge Types and Equations List
- September 2023: Batch 1 of MRP Sample Reports and Schemas

What's Next?



ieso
Connecting Today. Powering Tomorrow.

Upcoming Readiness Materials and Activities (Oct 2023)

In support of training market participants on key concepts and tool changes:

- Guides, Job Aides, and Quick Takes will be posted on the MRP webpage until Go-Live

In support of testing:

- Overview of MRP Test Plan (Connectivity Testing, Market Trials and End-to-End)
- qTest Demo and Registration Steps
- Start Registration for qTest Accounts

ieso
Connecting Today. Powering Tomorrow.

MRP Training Academy for External Participants

ieso
Connecting Today. Powering Tomorrow.

Agenda

1. Training Formats

   Overview of how the IESO will provide training to market participants

2. Training Topics

   Summary of the content that will be included in each training product

3. Webpage Updates

   Update of how market participant readiness material will be organized on the IESO's website

ieso
Connecting Today. Powering Tomorrow.

Training Formats

Training will be delivered in different formats:

- Online Interactive Modules
  - High-level overview of key change topics (e.g. Day-Ahead Market, Market Power Mitigation, Locational Marginal Pricing, etc.)
  - Market Overviews: a walkthrough of how market renewal impacts different resource types from registration to settlements. Live Q&A sessions will be scheduled at a later date to support market participants

ieso
Connecting Today. Powering Tomorrow.

Training Formats

- Written Guides, Quick Takes, and Instructions
  - Documents that provide in-depth information related to key change topics
  - Purpose is to supplement the reader's understanding of changes to the Market Rules and Market Manuals
- Virtual Training Sessions
  - Live demos that are focused on updates that were made to the user interface of impacted tools (Online IESO, EMI and Dispatch Services)
  - Provides market participants an understanding of how to use new forms and parameters in the IESO systems during market trials and after MRP Go-Live

High-Level Overview of New Concepts

Training Topic	Description
Introduction to Market Renewal Program	• High-level overview of the Market Renewal Program • Intended for new stakeholders
Day-Ahead Market Quick Take	• Key design elements of the new Day-Ahead-Market
Introduction to Market Power Mitigation	• Provides an overview of the new Market Power Mitigation (MPM) framework
Zonal Demand Forecast Quick Take	• Describes the transition to a four-area demand forecast system
Two-Settlement Guide	• New two-settlement concept including Day-Ahead-Market and Real-Time Make-Whole Payments

High-Level Overview of New Concepts (cont.)

Training Topic	Description
Market Prices Guide	• Describes new and updated pricing concepts (e.g. Locational Marginal Pricing and Ontario Zonal Pricing)
Virtual Trader Guide	• Overview of the new participation type from registration to settlement
Price Responsive Load Guide	• Overview of the new resource type from registration to settlement

ieso
Connecting Today. Powering Tomorrow.

Detailed Guides, Quick Takes, and Instructions

Training Topic on Market and Settlement Changes	Description
Guide to Prudentials for the IESO	• Updated guide to Prudentials in the renewed market
Calculation Engines Guide	• Mechanics of how the calculation engines will run in the Day-Ahead-Market, Pre-Dispatch, and Real-Time timeframe
Changes to the Transmission Rights Market Quick Take	• Outlines the changes that will impact the Transmission Rights Market
Generator Offer Guarantee (GOG) Guide	• Day-Ahead-Market and Real Time Generator Offer Guarantee settlement design

Detailed Guides, Quick Takes, and Instructions

Training Topic on Participant Tool Changes	Description
Instructions to Submit New Registration Parameters in Online IESO	• Summary of new registration parameters and step-by-step instructions of how to enter data in Online IESO
Instructions to View and Update Reference Levels and Quantities in Online IESO	• Step-by-step instructions on how to view reference levels and reference quantities, and how to initiate the Independent Review Process in Online IESO
Submitting, Revising and Cancelling Bids and Offers in EMI	• Updated guides on how to submit, revise, and cancel bids and offers in EMI for different participation types
Web-Based Dispatch Services	• Updated guide on how to use the dispatch services web interface

ieso
Connecting Today. Powering Tomorrow.

Detailed Guides, Quick Takes, and Instructions

Training Topic on Updated Participation	Description
Mechanics of Pseudo-Unit Participation	• Describes the pseudo-unit (PSU) modelling approach used to schedule and dispatch combined cycle resources
Changes for Intertie Traders	• Describes the changes that will impact intertie traders in the renewed market

Online Interactive Market Overviews

- Tailored for specific resource types: Non-Quick Starts, Pseudo-Units, Hydroelectric Resources, Storage Facilities, Non-Dispatchable Loads, Price Responsive Loads, Dispatchable Loads, Intertie Traders, and Virtual Traders
- Provides a walk-through of how different resource types will be impacted from authorization to settlement
- Scenarios will be included to illustrate different scheduling and operational outcomes, as well as the resulting settlements
- Live Q&A sessions will be offered after each market overview module is posted

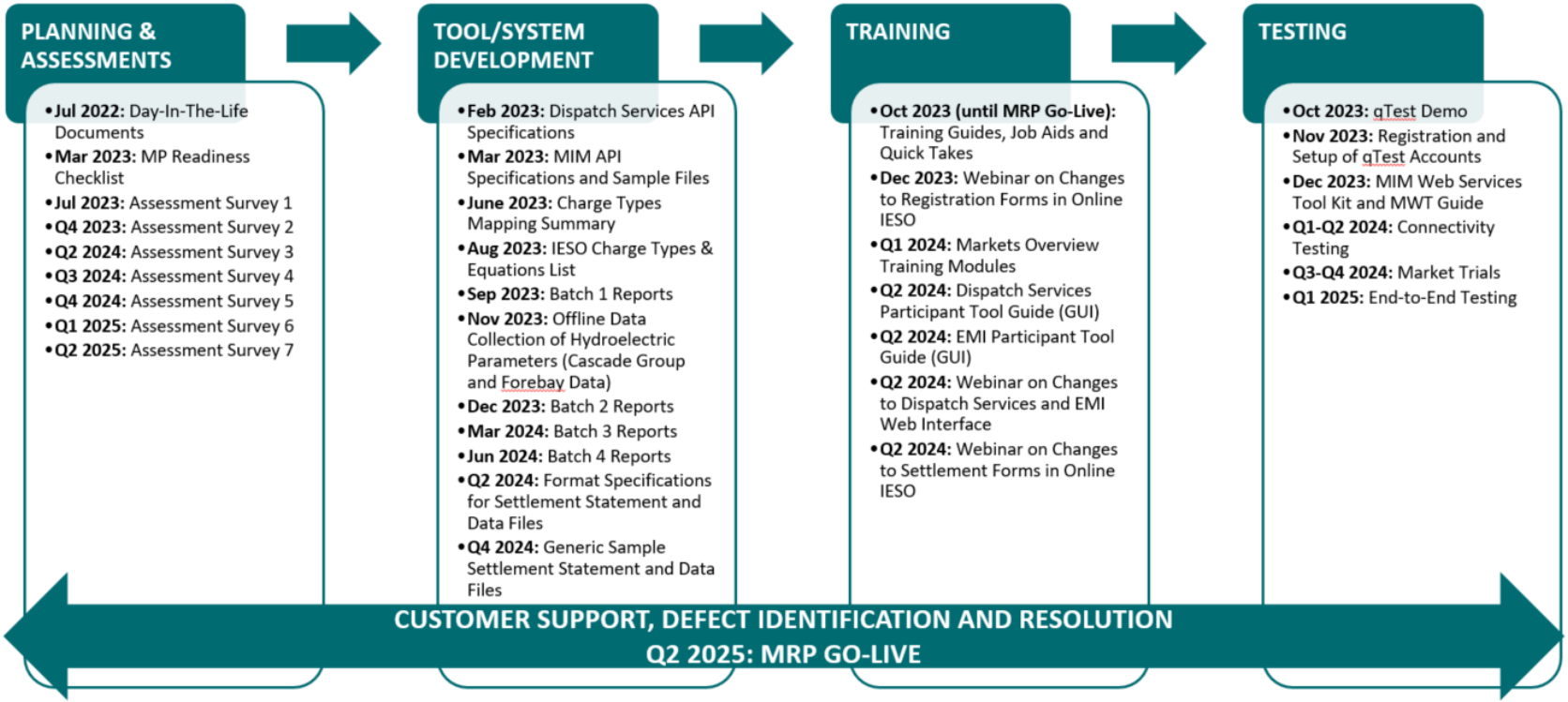
Webpage Updates

- Readiness Materials: 13 Day-In-The-Life documents for different participation types, Market Participant Readiness Checklist
- MRP Training Materials: new guides, quick-takes, instruction manuals, and Articulate modules
- Technical Reference Materials: API specifications for MIM and Dispatch Services, sample and schema files for new and updated reports, sample settlement statements and data files
- Testing Support: Market Participant Test Plan, qTest instructions

Readiness Materials and Activities (Mid-Late Q4 2023 until MRP Go-Live)

ieso
Connecting Today. Powering Tomorrow.

External Readiness Timelines



Thank You

ieso.ca

1.888.448.7777

customer.relations@ieso.ca

engagement@ieso.ca

@IESO_Tweets

linkedin.com/company/IESO

ieso
Connecting Today. Powering Tomorrow.