

DACP Settlements Market Trials Overview

Market Trials Working Group
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- Approach
- Objectives and Participation
- Scope
- Timeline
- Preparation and Communications
- IESO and MP Responsibilities
- Scenarios
- Defect Management

- Testing is accomplished using an integrated test environment, a compressed settlement schedule, revised registration data and revised real-time inputs
- Use a static data file as an input into the real-time dispatch systems to simulate a not quick-start resource as being synchronized and injecting 1MW into the IESO Control Grid (ICG) for all hours
- MPs modify real-time/pre-dispatch offers in the Sandbox to include a very large ramp up/down rate (e.g., 999MW/min)
- Overwrite the real-time injection for each resource nominated by participants, to make it equal to the real-time constrained schedule generated on the IESO Sandbox
 - Use a script file to take each five minute interval dispatch, divide it by 12 and substitute it into the injection variable (AQEI)

- The objectives for the Settlements Market Trials phase of the EDAC project are as follows:
 - To demonstrate that the IESO can create and publish settlements statements and data files that include the new DACP charge types
 - To allow market participants to verify that they can receive, and utilize in their systems, the settlements statements and data files containing the new DACP charge types
 - To provide an integrated test environment that will allow market participants to create the new DACP charge types

- All Market Participants that receive and utilize the new and revised DACP charge types are encouraged to participate in Settlements Market Trials
- The Market Trials will be guided and supported by the EDAC Market Trials Working Group (MTWG)
- The settlements market trials are scenario based. Market Trials Participants can choose the scenarios that they wish to participate in.
- Participants will have opportunities to execute scenarios and report findings or defects to the EDAC Project team

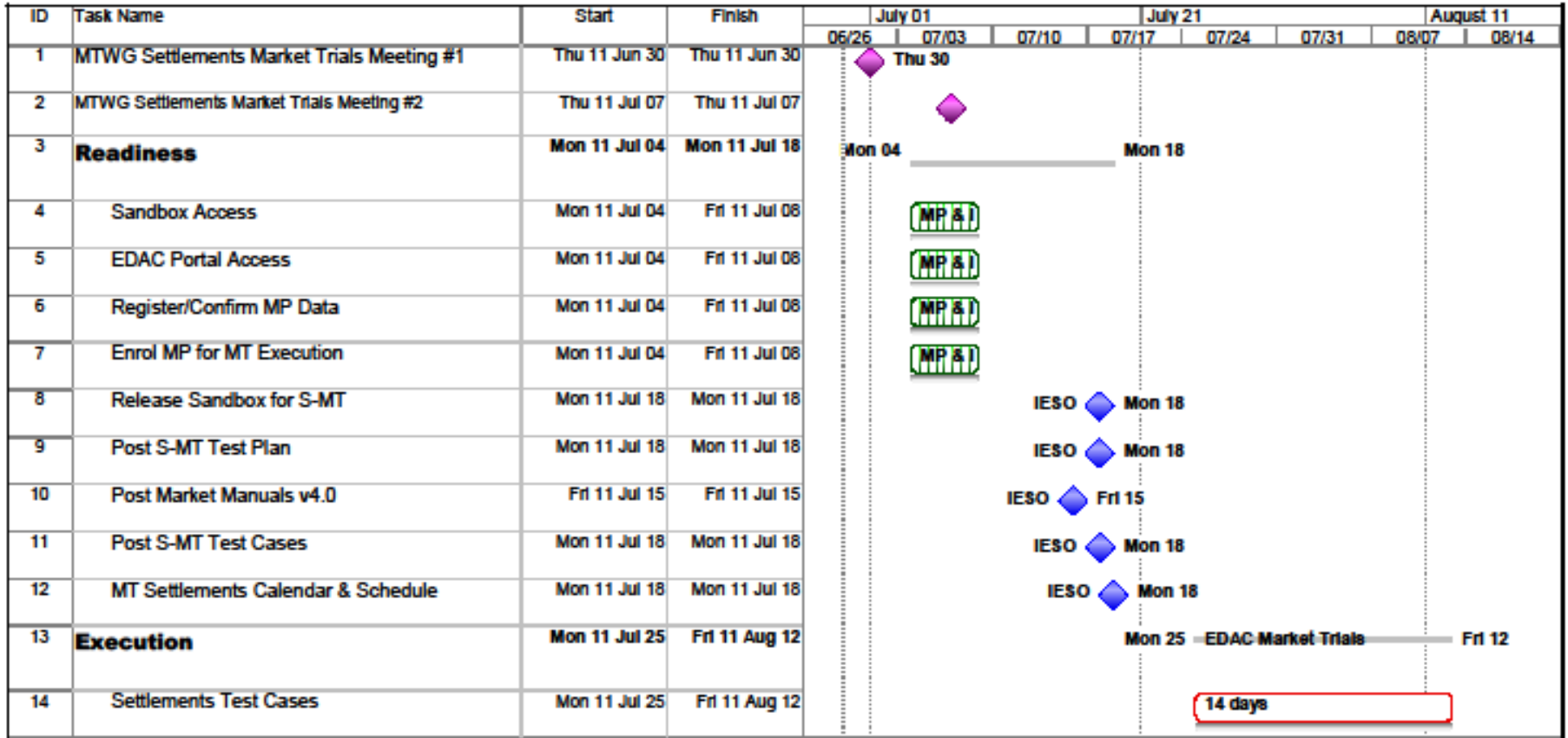
In Scope:

- Settlements Market Trials scenario testing:
 - Scenarios are designed to facilitate the creation of DACP settlements charge types during the defined period of settlements market trials
 - Scenarios are executed using an integrated test environment, a compressed settlement calendar, modified registration data and revised real-time inputs
 - Scenarios are dependent on the settlements market trials participants receiving a day-ahead schedule and then taking specific actions in real-time

Out of Scope:

- Testing of the discrete functions, processes, and systems that generate or receive information within a Market Participant's organization.
- Independent review of the implementation of the Day-Ahead Calculation Engine (DACE) and Settlements System - a final report will be made available to market participants.
- Testing of the Day-Ahead Fuel Cost Compensation credit. This process and charge type is not changing as a result of the EDAC project.

Settlements Market Trials Timeline & Key Events



- Settlements Market Trials testing will be conducted in the IESO Sandbox environment.
- Market participants connected to the IESO Sandbox will interact with the new and modified IESO systems that support the enhanced DACP.
- The IESO Sandbox will be upgraded to include all the changes resulting from the EDAC Project.

- Settlements Market Participants:
 - It is assumed that market participants have the necessary access to participate in the DACP by submitting dispatch data and receiving a day-ahead schedule
 - For Settlements market trials you need access to the sandbox report site. If you don't have access (i.e., you don't have a User ID and Password) you must request access by sending an email to edac@ieso.ca
- IESO :
 - Once the request is processed, the IESO will provide you with:
 - A URL of Sandbox report site (via email)
 - A login and password for the Sandbox report site (via telephone)

- IESO testing team staff will be available to address issues that arise during the Settlements Market Trials. Contact phone numbers for the IESO staff are:
 - Operations contact: 905-855-2800 X5057
 - Settlements contact: 905-855-2800 X5055
- The IESO will provide a settlements calendar (compressed settlements cycle) and a schedule showing when scenarios can be executed.

- The following methods will be used to communicate with market participants in preparation for, and throughout the execution of the Market Trials:
 - Meetings (MTWG)
 - Conference Calls / Webcast (with teleconference link)
 - Email
 - IESO Portal
 - Posted Schedules
 - Reporting
- Weekly conference calls will be scheduled as required

- **Market Participant Responsibilities**
 - Ensure access to the IESO sandbox environment for Market Trials testing
 - Have testers available to address data issues for the duration of the testing cycle
 - Execute selected scenarios in the testing windows provided
 - Participate in market trials conference calls/webcasts
 - Report defects on IESO systems, reports and processes that arise during market trials
 - Submit/modify dispatch data and DGD as required to receive a day-ahead schedule

- **IESO Responsibilities**

- Provide contact information for IESO staff supporting settlements market trials
- Provide system access information:
 - Portal login & password (MPI)
 - Reports URL
- Provide phone numbers/URL's for daily conference calls/webcasts
- Provide market trials test schedule and test scenarios
- Provide form for reporting defects (see Market Trials Test Plan)
- Provide an up to date testing schedule and settlements calendar
- Identify scenarios to be executed
- Conduct conference calls/webcasts (as required).
- Record and report on defect status
- Identify any open defects prior to entering market trials

- Scenarios are designed to facilitate the creation of DACP settlements charge types during the defined period of settlements market trials
- Testing is accomplished using an integrated test environment, a compressed settlement schedule, revised registration data and revised real-time inputs
- Scenarios are dependent on the settlements market trials participants receiving a DA schedule and then taking specific actions in real-time

- Settlements market trials participants may choose to execute some or all of the scenarios described in this document using a subset of their resources (to be nominated)
- Using this approach, not all participants will receive all applicable charge types

- Market participants and the IESO will execute the scenarios identified in the Market Trials Schedule
 - IESO will facilitate the execution of scenarios by increasing or decreasing the real-time demand forecasts as identified in the market trials schedule
 - Market participants will execute the scenarios within the windows that apply (increased demand window or decreased demand window)

- The EDAC Testing Team will track all defects raised during the execution of Market Trials.
- All market-facing defects raised will be reported to MT participants and the status of these defects will be communicated to MT participants through the SE-73 working group set up for Market Trials.
- The EDAC Testing Team will provide a form and mechanism for the submission of data related to defects.

Defect Priority	Defect Priority Description
Critical	<ul style="list-style-type: none"> - The defect results in a stoppage in testing and no acceptable workaround exists. - The enhanced DACP cannot be deployed with these defects outstanding ('showstopper').
High	<ul style="list-style-type: none"> - An acceptable workaround exists that allows Market Trials test execution to continue. - The enhanced DACP can be deployed with this defect outstanding, provided that a plan is in place to resolve the defect.
Medium	<ul style="list-style-type: none"> - The defect has no significant impact on Market Trials test execution. - The enhanced DACP can be deployed with this defect outstanding, provided that a plan is in place to resolve the defect.
Low	<ul style="list-style-type: none"> - The defect is minor or cosmetic in nature and does not impact the Market Trials test execution, or subsequent use by market participants or the IESO. - The enhanced DACP can be promoted to production with these defects outstanding. - These defects can be resolved at a subsequent release in accordance with business priority.

EDAC Market Trials Defect Reporting Form

Date:

Submitted By (Company Name):

Defect Name:

Defect Description:

Steps to recreate:

Supporting Documentation:

Comments:

- 100% of all Operations test cases scheduled for Market Trials have been executed (does not include Settlements scenarios)
- No Critical defects outstanding
- No High or Medium defects outstanding without a plan to resolve
- Market Trials Results report is available to market participants