

MTE Connectivity Testing

August 1, 2014



Agenda

- Introduction of Team Members
- MTE Connectivity Testing Overview
- MTE Connectivity Test Preparation Tasks
- MTE Connectivity Test Execution Tasks
- MTE Connectivity Test Checklist
- Settlements Dates
- Recap of Key Points and Next Steps
- Questions

Test Team Members

- **Chris Baldwin**
 - **MTE Connectivity Test Lead**
- **David Daniels**
 - **Settlements Analyst**
- **Karen Johnson**
 - **Onboarding Specialist**
- **David Koone**
 - **Project Manager**

MTE Connectivity Testing Overview

MTE Test Execution is targeted for 9/2 – 10/3

- All Market Participants must complete MTE Connectivity Testing by 10/3

MTE Connectivity Testing Overview

MTE Connectivity Testing validates:

1. Participant access to MTE
2. Select UI/API transaction functionality across Markets, Settlements, and TCR Marketplace systems
 - Additional details have been published in the MTE Connectivity Testing Approach, MTE Connectivity Testing Checklist, and MTE Connectivity Specifications Documents

MTE Connectivity Testing Overview



MTE Connectivity Testing will follow a similar approach to MP Onboarding Connectivity Testing, allowing Participants to validate UI/API usability at their discretion

- Participants may validate their connectivity and transactions at any time during the test window
- Issues identified during MTE Connectivity Testing will be logged in RMS and follow SPP's standard RMS process

Note: RMS configured with two quick pick options (SPP):

- 1. MTE Connectivity Approach/Checklist*
- 2. MTE Connectivity Test Execution Questions*

MTE Connectivity Testing Overview

The MTE Connectivity Test will not involve any Phase II transactional functionality

- All UI/API transactions for MTE Connectivity Testing will be consistent with SPP's Marketplace Production processing
- Neither Regulation Compensation Offers nor LTCR transactions will be included as part of the MTE Connectivity Test

MTE Connectivity Test Preparation Tasks

- By 7/25: Integrated Marketplace MTE Connectivity Specification and Cert and IP Info for IM MTE XML Notifications published in CWG Folder (SPP)**
- 8/1: MTE Connectivity Test Kick-off (SPP/Participants)**
- 8/1: Weekly testing meetings scheduled each Friday from 8/1 through 10/3 (SPP/Participants)**
- By 8/8: Final MTE Connectivity Checklists published via RMS to be used for Participant tracking and validation during test execution (SPP)**

MTE Connectivity Test Preparation Tasks

By 8/8: Participant URL/API/Network configurations updated for MTE (Participants)

By 8/8: Participant User/Role configuration finalized (Participants)

Note: Some Participants may have User/Role configuration required for MTE access

By 8/15: Register MTE XML Listener URL(s) for Markets and Settlements. (Participants)

8/26: Deadline for questions in response to the published Checklist. Participants may submit questions 8/8 through 8/26 (Participants)

MTE Connectivity Test Execution Tasks

9/2 – 10/3: MTE Connectivity Test Execution (Participants)

- Testing is conducted at Participant discretion during this duration
- Questions/issues to be submitted via RMS using the MTE Connectivity Test Execution Questions Quick Pick

10/3: Deadline to upload completed MTE Connectivity Checklists to RMS (Participants)

8/1 – 10/3: MTE Connectivity Test Status Meetings each Friday (SPP/Participants)

MTE Connectivity Test Checklist

- The MTE Test Checklist was designed to assist Market Participants in determining their applicable test cases to be completed during New MP Testing.
- Applicability is based on MP type, intent to participate in the TCR market, and implementation of APIs and Notifications.
- Once test applicability is determined, the MP will complete the applicable tests and use this document to track their results as 'pass'/'fail'/'not applicable'.
- Once completed, this document should be submitted back to SPP via RMS in order to confirm and track completion.

Test Checklist Overview

- The MTE Connectivity Test Checklist consists of multiple tabs for different areas of testing (Markets, Settlements, TCR, and XML Notification Listener)
- Each tab consists of both UI and API test cases; Participants may test either the API, UI, or both depending on needs
- Results are entered into the Checklist as Passed, Failed, or Not Applicable
- Checklist communication should occur via RMS using the MTE Connectivity Approach/Checklist quick pick



Markets MTE Connectivity Checklist

Markets User Interface (UI)

Market Virtual Participant (required for all UI users)

Task #	Task Description	Test Status	Comments
Directions: Perform ONE of the following actions in the Markets UI			
1	Submit a Virtual Bid		
2	Submit a Virtual Offer		
3	Delete a Virtual Bid		
4	Delete a Virtual Offer		
5	View a Cleared Virtual Bid		
6	View a Cleared Virtual Offer		

Market Participant with Load Assets (if applicable)

Task #	Task Description	Test Status	Comments
Directions: For Non-Conforming Load Forecasts, perform ONE of the following two actions in the Markets UI			
1	Submit a Load Forecast ^{NC}		
2	Delete a Load Forecast ^{NC}		
Directions: For Demand Bids, perform ONE of the following actions in the Markets UI			
3	Submit a Fixed Demand Bid ^{DA}		
4	Delete a Fixed Demand Bid ^{DA}		
5	Submit a Price Sensitive Demand Bid ^{DA}		
6	Delete a Price Sensitive Demand Bid ^{DA}		
Directions: For Demand Response Load Forecasts, perform the following actions in the Markets UI			
7	Submit a DRR Load Forecast ^{DRL}		

Market Participant with Energy Qualified Resources (if applicable)

Task #	Task Description	Test Status	Comments
Directions: Perform ONE of the following actions in the Markets UI			
1	Submit an Energy Resource Offer		
2	Submit an EDR Energy Resource Offer ^{EDR}		
3	Submit an Energy Mitigated Resource Offer		
4	Submit a JOU Physical Resource Offer ^{JOU1}		
5	Submit a JOU Share Resource Offer ^{JOU2}		
6	View a Cleared Energy Offer ^{DA}		

Market Participant with Operating Reserve Qualified Resources (if applicable)

Task #	Task Description	Test Status	Comments
Directions: Perform ONE of the following actions in the Markets UI			
1	Submit a Reserve Resource Offer		
2	Submit an EDR Reserve Resource Offer ^{EDR}		
3	Submit a Reserve Mitigated Resource Offer		
4	View a Cleared Reserve Offer ^{DA}		

Markets API

MTE Connectivity Test Settlements-Dates

Important dates use for Report Retrieval

Operating Date: 8/19/2014 used for **Determinant Report**

Settlement Date: 8/26/2014 used for **Statement**

Invoice Date: 8/28/2014 used for **Invoice**

Testing Certificate

- All LSAs and users must have a valid OATI digital certificate loaded on their machines in order to access the Marketplace Portal.
- It is the LSAs responsibility to create users and assign appropriate roles to their users. For additional information, the LSA should refer to the “Administration >> LSA Documentation” screen on the Portal.

Reference Materials

The following materials will assist you in completing your tests:

- [MTE Connectivity Test Checklist](#)
- [IM MTE Connectivity Specification Document](#)
- [Cert and IP Info for IM MTE XML Notifications](#)
- [Portal Application Role Reference Guide](#)
- [LSA Guide](#)
- [LSA Portal Job Aid](#)

Reference Materials Cont...

- [Settlements UI Guide](#)
- [Settlements Reference Tools](#)
- [Data Exchange Guides: Output Reports, Bilateral Schedules, Determinant Report, Meter Data](#)
- [LMS Information \(Type SUG in search box\)](#)
- [Integrated Marketplace Market User Interface Guide](#)
- [Integrated Marketplace Market User Interface Business Validations](#)

Key Points

- **Testing Period: September 2 – October 3**
- **Testing does not Include any Phase II Functionality**
- **Submit All Questions/Documentation Via RMS**
- **Status Meeting each Friday August 1 – October 3**
- **Test Sign-Off Required by EOB October 3**
- **Next Steps...**

MTE Connectivity Testing Upcoming Activities

Deadline	Activities
7/25	IM MTE Connectivity Specification & Cert and IP Info for IM MTE XML Notifications Documents will be Published (SPP)
8/1	MTE Connectivity Kickoff Meeting (SPP/Participants)
8/1	Weekly testing meetings each Friday 8/1 through 10/3 (SPP/Participants)
By 8/8	<ul style="list-style-type: none"> • Participant URL/API/Network configurations updated for MTE (Participants) • Participant User/Role configuration finalized (Participants) <i>Note: Some Participants may have User/Role configuration required for MTE access</i> • Publish Test Checklists via RMS (SPP) • Begin Review and Confirm Test Checklist via RMS (Participants)
By 8/15	Register MTE XML Listener URL(s) for Markets & Settlements (Participants)
8/26	Test Checklist Review/Response Complete (Participants) <i>Note: RMS Tickets Auto-close</i>
9/2 – 10/3	MTE Connectivity Test Execution
By 10/3	Completed Connectivity Test Checklist submitted via RMS (Participants)

Questions

Question: Will MTE have the commercial model information loaded for connectivity testing or will MTE act like the original SPP sandbox for connectivity testing in that no business validations will take place?

Answer: MTE will have the commercial model loaded for all applications and operate similarly to ITE as opposed to the SPP sandbox. MTE will be loaded with full application instances, enabling business validations and system processing.

Question: What browsers will SPP support for MTE Connectivity Testing?

Answer: Internet Explorer 8.0+, Firefox 7.0+, and Chrome 11+

QUESTIONS?

