Market Simulation Independent Pre Spring 2015 and Fall 2014 Release

Christopher McIntosh
Lead Market Simulation Coordinator

Independent Pre Spring 2015 and Fall 2014 Release
February 23rd, 2015
Agenda

- Independent Pre Spring 2015 and Fall 2014 Market Simulation Initiatives and Timelines
- Independent Pre Spring 2015 and Fall 2014 MAP Stage Availability
- OMS Market Sim Update
- OMS Key Dates
- OMS External Deployment Plan
- OMS Known Issues
- DRS API’s
- RDRR Mkt Sim Re-Run
- Next Steps
- Reference Slides
Independent Pre Spring 2015 and Fall 2014 Release
Market Simulation Initiatives and Timelines

**Outage Management System Replacement** - July 28\textsuperscript{th}, 2014 – February 26\textsuperscript{th}, 2015 (Unstructured)

**DRRS API’s** - February 11\textsuperscript{th}, 2015 – February 27\textsuperscript{th}, 2015 (Unstructured)

**RDRR Mkt Sim Re-Run** – March 2\textsuperscript{nd}, 2015 – March 20\textsuperscript{th}, 2015 (Structured/Unstructured)
Independent Pre Spring 2015 and Fall 2014 Release
MAP Stage Availability

• MAP Stage Scheduled Maintenance – none this week

• WebOMS MAP Stage Scheduled Maintenance – If critical fixes become available and need to be validated in market simulation, we will take a maintenance window. The Customer Partnership Group will be notified via email if this is scheduled
Outage Management System

The Outage Management System Market Simulation –

• **Outage Management System**: July 28th – February 26th, 2015 (Unstructured)
  
  • For coordinated outage approval, please email MarketSim@caiso.com.
WebOMS Key Dates

• **WebOMS Go-Live Schedule**
  – 2/26/2015: Section 9 of the tariff

• All production active transmission outages available in MAP Stage OMS now

• All production active generation outages as of 2/26/2015 available in MAP Stage OMS now

• ISO requests that participants minimize outage submission 1 week prior to and 1 week after go-live
External Deployment Plan

- The plan document has been posted on the CAISO website and can be accessed at:

<table>
<thead>
<tr>
<th>Severity (H/M/L)</th>
<th>New or Existing Issue</th>
<th>Issue Description</th>
<th>Resolution Expectations</th>
<th>CIDI #</th>
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</thead>
<tbody>
<tr>
<td>L</td>
<td>Existing</td>
<td>OMS only allows to copy one cell at a time for Availability Date/Time</td>
<td>Enhancement. Target Date Post Go-Live</td>
<td>00160592</td>
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<tr>
<td>M</td>
<td>Existing</td>
<td>Break Points for Canceled Outages are being returned via RetrieveAvailability and RetrieveResourceOutage APIs</td>
<td>Target Date Post Go-Live</td>
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<tr>
<td>H</td>
<td>Resolved</td>
<td>OMS: API: End point duplicated is outage query response</td>
<td>Fixed in Map Stage</td>
<td>00163012</td>
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<tr>
<td>H</td>
<td>Resolved</td>
<td>OMS: API: Unrelated points returned when querying outage</td>
<td>Fixed in Map Stage</td>
<td>00163014</td>
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<tr>
<td>H</td>
<td>Resolved</td>
<td>OMS: API: Query Availability returning Framework errors</td>
<td>Fixed in Map Stage</td>
<td>00163018 00163081 00163186</td>
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<tr>
<td>H</td>
<td>Resolved</td>
<td>When querying transmission outage, equipment information is missing.</td>
<td>Fixed in Map Stage</td>
<td>00163142</td>
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<tr>
<td>H</td>
<td>New</td>
<td>OMS: API: Incorrect availability MW returned for outage</td>
<td>ISO is investigating</td>
<td>00163312</td>
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Independent Pre Spring 2015 DRRS API’s

- DRRS API’s Market Simulation –
  - DRRS API’s - February 11th, 2015 – February 27th, 2015 (Unstructured)

- As requested ISO has added a DR Customer Partnership Group Email for project discussions related to demand response - CPGDemandResponse@caiso.com

RDRR Mkt Sim Re-Run

- RDRR Market Simulation –
  - **RDRR Re-Run** – March 2\(^{nd}\), 2015 – March 20\(^{th}\), 2015 (Structured)

<table>
<thead>
<tr>
<th>Description</th>
<th>End to End RDRR Process TD = Mar 11, 2015</th>
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</table>
| ISO Actions | ISO will take the following steps -  
 1. TD-4B ISO approves resource modification, on MP’s behalf if applicable  
2. TD -1B ISO dispatches the resources in DAM  
3. TD ISO dispatches the resources in RTM  
4. TD +3B ISO runs Performance in DRS system  
5. TD +5B ISO publishes “initial” settlement statement including submitted OMAR meter data, where applicable |
| SC Actions | Please follow the following steps in order -  
1. No later than TD-7B MP to register resources and submit RDTs  
2. TD-5B LSE/UDC approve registrations  
3. TD -2B MPs submit 10 days of meter data for base line in DRS  
4. TD -1B MPs submit bids on the registered resource  
5. TD +2B MPs submit meter data to the DRS and OMAR for scenario TD  
6. TD +5B MP’s validate their settlement statement |
| Expected Outcome | DRS correctly calculates the resources’ performance. Settlements correctly calculates the charges/credits per the resources’ performance. |
| Anticipated Settlement Outcome | Impacted Charge Codes are CC 6470 and 6475 |
RDRR Market Simulation Timeline

3/2/2015
- MP’s to Register Resources and Submit RDT’s

3/4/2015
- LSE/UDC Approve Registrations
- MP’s Submit 10 Days Worth of Meter Data for Baseline Calculations in DRS

3/5/2015
- ISO Approves Resource Modification on MP’s Behalf, if Necessary

3/9/2015
- Trade Date 3/4 ISO Dispatches Resources in RTM

3/10/2015
- ISO Dispatches Bid in Resources in DAM

3/11/2015
- On 3/3 MP’s Submit DAM and RTM Bids for Registered Resources

3/13/2015
- MP’s Submit Meter Data to DRS and OMAR for TD 3/4

3/16/2015
- MP’s Validate Settlements Statement

3/18/2015
- ISO Publishes "Initial" Settlement Statement with Submitted OMAR Meter Data

3/20/2015
- ISO Dispatches Bid in Resources in DAM

3/21/2015
- ISO Runs Performance in the DRS Application

3/22/2015
- ISO Publishes "Initial" Settlement Statement with Submitted OMAR Meter Data
## Settlements Calendar

<table>
<thead>
<tr>
<th>Calendar Day</th>
<th>CMRI T+1B</th>
<th>Submit Meter Data (OMAR and DRS) T+2B 18:00</th>
<th>Publish Initial Statement T+5B</th>
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Next Steps

• The next teleconference will take place @ 13:00 PPT on Thursday, February 30th, 2015
Fall 2014 Release Market Simulation Plan

ISO System Access Documentation

ISO Market Simulation Support

- **Hours** - 09:00 - 18:00, PST (Monday through Friday)
- **Mkt Sim Coordinator Phone** - (530) 518 - 8539
- **ISO’s 24X7 Help Desk** - (916) 351-2309 (Connectivity - GUI or API)
- **Email** - MarketSim@caiso.com
Market Simulation Issue Management

• Submit all issues to the CIDI case management system.
• CIDI tickets will need to have “Functional Environment = Market Simulation Fall 2014 and Functional Environment = Market Simulation Spring 2015” to be reviewed by ISO SME’s.