Market Simulation Call - Independent 2020 Release

Anshuman Vaidya
Market Simulation Coordinator

December 17, 2020
Recordings

Calls and webinars are recorded for stakeholder convenience, allowing those who are unable to attend to listen to the recordings after the meetings. The recordings will be publicly available on the ISO web page for a limited time following the meetings. The recordings, and any related transcriptions, should not be reprinted without the ISO’s permission.
Agenda

- MAP Stage Availability
- Independent 2020 Releases Market Simulation Initiatives & Timelines
- Market Simulation Initiatives
- OMS Enhancements
- ADS Phase 3: Activation of New Features
- Next Steps
MAP Stage Availability

- Refer to MAP Stage portal https://portalmap.caiso.com for system availability information

- Current MAP Stage Maintenance
  - None

- Upcoming MAP Stage Maintenance
  - OASIS UI/API closure until Monday 12/21
  - BAAOP UI brief interruption Today, Thursday, 12/17
  - CMRI UI/API closure Friday, 12/18 thru Monday 12/21

- MAP Stage Weekly Maintenance Window
  - Friday
### Independent 2020 Releases Market Simulation Initiatives & Timelines

<table>
<thead>
<tr>
<th>Independent 2020 Release Initiatives</th>
<th>Start Date</th>
<th>End Date</th>
<th>Structured Simulation Start (Trade Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Independent 2020 Release Market Simulation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy Imbalance Market (EIM) Enhancements 2020 - CMRI</td>
<td>12/15/20</td>
<td>12/29/20</td>
<td>N/A</td>
</tr>
<tr>
<td>Commitment Costs and Default Energy Bid Enhancements Phase 1</td>
<td>7/27/20, 12/04/20</td>
<td>12/18/20</td>
<td>N/A</td>
</tr>
<tr>
<td>Intertie Deviation Settlement</td>
<td>12/1/20</td>
<td>1/15/21</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; attempt- 12/1 and 12/2, 2&lt;sup&gt;nd&lt;/sup&gt; attempt- 01/05</td>
</tr>
<tr>
<td>Symmetrical Wheeling</td>
<td>11/17/20</td>
<td>1/15/21</td>
<td></td>
</tr>
</tbody>
</table>

**Market Simulation Settlements Calendar:**
Market Simulation Initiatives

• Intertie Deviation Settlement
  – **Timeline:** December 1 - January 15
  – **Structured:** 1st attempt: December 1 and December 2
    2nd attempt: 01/05 (7AM-9AM) and (3:30PM – EOD)
  – Please use [https://demo.caiso.tag.oati.com/](https://demo.caiso.tag.oati.com/) to submit tags in MapStage environment

• Symmetrical Wheeling
  – **Timeline:** November 17 – January 15
Market Simulation Initiatives

• Commitment Costs and Default Energy Bid Enhancements
  – **Timeline:** July 27 – December 18; December 4 - December 18 for new SIBR rules in market simulation
  – Training
  – SIBR business rules, release notes published 10/27

• Energy Imbalance Market (EIM) Enhancements 2020
  – **Timeline:** December 15 – December 29 (CMRI)
  – BAAOP & BSAP currently available in MAP-Stage
  – Unstructured Scenarios document
## Known Issues

<table>
<thead>
<tr>
<th>#</th>
<th>System</th>
<th>Summary</th>
<th>Status</th>
<th>Estimated Fix Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ADS</td>
<td>Fall Forward didn’t refresh connection (CIDI 231456)</td>
<td>In progress</td>
<td>No Fix date yet</td>
</tr>
<tr>
<td>2</td>
<td>ADS</td>
<td>RT DOT breakdown is no longer showing (CIDI 231483)</td>
<td>This feature was disabled intentionally due to security concerns</td>
<td>TBD</td>
</tr>
<tr>
<td>3</td>
<td>OMS</td>
<td>OMS Discovery Date error for In_OK and Out_OK requests</td>
<td>Defect</td>
<td>No Fix date Yet</td>
</tr>
<tr>
<td>4</td>
<td>ITS</td>
<td>Non-Reliability curtailments not getting published to ETS (tagging side)</td>
<td>Defect</td>
<td>Testing</td>
</tr>
</tbody>
</table>
## OMS Roadmap for 2020

<table>
<thead>
<tr>
<th>Release</th>
<th>Major Changes</th>
<th>Participant</th>
<th>MAPStage</th>
<th>Production</th>
</tr>
</thead>
</table>
| October | Remove defaulting discovery date  
- For retro-active outages submit discovery date.  
- Handle no discovery date if not previously submitted. | All | ✓ 11/05/2020 | 1/11/2021 |
|         | Aggregate Resource Outage retrieve results changes  
- Handle receiving only parent and impacted children. | All |          |            |
|         | Transmission Retrieve Changes  
- If moving to new version (= 10012020), consume new XSD and handle receipt of multiple change requests. | All |          |            |
|         | Retrieve Resource/Transmission outage change request  
- Limiting to 50  
- Disable querying with participant ID & Date Range.  
- Query by Outage ID, Change request ID and Equipment ID/Resource ID | All |          |            |
<table>
<thead>
<tr>
<th>OMS Project</th>
<th>Service</th>
<th>Summary</th>
<th>Tech Spec</th>
<th>MAP Stage</th>
<th>Production</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>RetrieveTransmissionOutageChangeRequest_OMSv2_AP&lt;br&gt;RetrieveTransmissionOutageChangeRequest_OMSv2_DocAttach_AP&lt;br&gt;RetrieveTransmissionOutageChangeRequest_OMSv3_AP&lt;br&gt;RetrieveTransmissionOutageChangeRequest_OMSv3_DocAttach_AP</td>
<td>Performance Improvements:&lt;br&gt;• Retrieve up to 50 outages by querying on outage ID&lt;br&gt;• Retrieve based on Change Request ID&lt;br&gt;• Retrieve based on Equipment ID&lt;br&gt;• Removed capability of querying by participant ID&lt;br&gt;• Recommended use to sync data</td>
<td>✓ 8/11/20, v2.1</td>
<td>✓ 11/5/2020</td>
<td>1/11/2021</td>
</tr>
<tr>
<td>N/A</td>
<td>SubmitResourceOutage_OMSv2_AP&lt;br&gt;SubmitResourceOutage_OMSv2_DocAttach_AP&lt;br&gt;SubmitResourceOutage_OMSv3_AP&lt;br&gt;SubmitResourceOutage_OMSv3_DocAttach_AP</td>
<td>WebOMS system will not default the discovery date</td>
<td>✓ 8/11/20, v2.1</td>
<td>✓ 11/5/2020</td>
<td>1/11/2021</td>
</tr>
<tr>
<td>N/A</td>
<td>SubmitResourceOutage_OMSv2_AP&lt;br&gt;SubmitResourceOutage_OMSv2_DocAttach_AP&lt;br&gt;SubmitResourceOutage_OMSv3_AP&lt;br&gt;SubmitResourceOutage_OMSv3_DocAttach_AP</td>
<td>Changes to aggregate resource outage submission for performance improvement&lt;br&gt;• Submit de-rate for parent resource (required) and only the impacted child resources&lt;br&gt;• Retrieve results will not be include (for both v2 and v3 services) child resources that have no curtailment&lt;br&gt;• Parent resource availability points need not match with child resources’ but will remain within the overall outage start and end date span&lt;br&gt;• Child resource outages can be added to existing outage if the outage has not commenced&lt;br&gt;• UI display and retrieve results for historical outages will be modified to support this model&lt;br&gt;• Changes are being done to enhance webOMS performance</td>
<td>✓ 8/11/20, v2.1</td>
<td>✓ 11/5/2020</td>
<td>1/11/2021</td>
</tr>
</tbody>
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https://developer.caiso.com
ADS Phase 3: Activation of New Features

- 10/20: ADS Phase 1: Network
- 10/20: ADS Phase 2: New ADS UI, API v8 available
- 10/30: Close Stage, End Parallel Operations
  - MAP-Stage remains available with active features from now on

➢ TBD: Activation of New Features
  - Only available on New ADS UI, API v8
    - DOTT
    - AS Test
    - RTCD Commitment
  - 2/1/21: ADS Phase 4: Decommission of Old ADS client, API v6
ADS Phase 3: Activation of New Features

➢ **TBD: Activation of New Features**
  - Only available on New ADS UI, API v8
  - ISO Assisted Customer Cutover lines are closed now and we are inviting participants to submit CIDI tickets for any transition issues in order to allow us to assist in an efficient manner.
  - Recommendation
    • Run ADS Client and new ADS UI in parallel for validation
    • Cutover to API v8 now, as it provides same functionality as v7
Next Steps

- The next teleconference is scheduled on Monday, December 21\textsuperscript{st} at 1400 PDT
Reference Slides
MP’s will need to register their request with the ISO to participate in this simulation via the MarketSim@caiso.com mailbox.

Date of registration October 9, 2020.
We will do our best to accommodate for late registration
Independent 2020 Releases Communication Plan

• **Schedule**

<table>
<thead>
<tr>
<th>Monday</th>
<th>Thursday</th>
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<tbody>
<tr>
<td>Sep 28,</td>
<td>Oct 1, 8, 15, 22, 29</td>
</tr>
<tr>
<td>Oct 5, 12, 19, 26</td>
<td>Nov 5, 12, 19</td>
</tr>
<tr>
<td>Nov 2, 9, 16, 23, 30</td>
<td>Dec 3, 10, 17, 24</td>
</tr>
<tr>
<td>Dec 7, 14, 21</td>
<td>Jan 7, 14</td>
</tr>
<tr>
<td>Jan 11</td>
<td></td>
</tr>
</tbody>
</table>

• **Connection Information**

  - **Web Conference Information**
    - Web Address: [https://caiso.webex.com/meet/MarketSim](https://caiso.webex.com/meet/MarketSim)
    - Meeting Number: 962 067 710
    - Audio connection instructions will be available after connecting to the web conference. When prompted, select "Call me" and enter the phone number you will use during the call. You will be called by the conference shortly.

  - **Conference Call Information**
    - Dial-in Number: 866-528-2256
    - International Dial-in: 216-706-7052
    - Access Code: 202 249 0
Market Simulation Issue Management

- Submit all issues to the CIDI case management system
- CIDI tickets must have “Functional Environment” = “Market Simulation Independent 2020” to be reviewed by ISO SMEs
ISO Market Simulation Support

• **Hours:** Monday thru Friday 0900-1800 PDT
• **ISO’s 24x7 Service Desk:** (916) 351-2309 (Connectivity – UI or API)
  – Issues called in after hours will be worked on during the next business day
• **Email:** [MarketSim@caiso.com](mailto:MarketSim@caiso.com)