



Market Simulation Call - Independent 2020 Release

Anshuman Vaidya
Market Simulation Coordinator

December 21, 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

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

Independent 2020 Releases Communication Plan

- **Schedule**

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

- **Connection Information**

- **Web Conference Information**

- Web Address: <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:
 - 1-844-517-1271 (Toll Free)
 - 1-682-268-6591
 - Access Code: 962 067 710

MAP Stage Availability

- Refer to MAP Stage portal <https://portalmap.caiso.com> for system availability information
- Current MAP Stage Maintenance
 - OASIS - thru today 12/21
- Upcoming MAP Stage Maintenance
 - CMRI UI/API closure TBD
- MAP Stage Weekly Maintenance Window
 - Friday

Independent 2020 Releases Market Simulation Initiatives & Timelines

Independent 2020 Release Initiatives	Start Date	End Date	Structured Simulation Start (Trade Date)
Independent 2020 Release Market Simulation			
Energy Imbalance Market (EIM) Enhancements 2020 - CMRI	12/15/20	12/29/20	N/A
Intertie Deviation Settlement	12/1/20	1/15/21	1 st attempt- 12/1 and 12/2 2 nd attempt- 01/05
Symmetrical Wheeling	11/17/20	1/15/21	

Market Simulation Settlements Calendar:

<http://www.caiso.com/Documents/MarketSimulationSettlementsCalendar-IndependentWinter2020Release.pdf>

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/> to submit tags in MapStage environment
- Structured Scenarios document -
<http://www.caiso.com/Documents/MarketSimulationScenariosIntertieDeviationSettlement.pdf>

- Symmetrical Wheeling

- **Timeline:** November 17 – January 15
- Business Requirements Specification -
http://www.caiso.com/Documents/BusinessRequirementsSpecification_SymmetricalSettlementForWheelingThroughEimBAAs.pdf
- Unstructured Scenarios document -
<http://www.caiso.com/Documents/MarketSimulationScenariosSymmetricalSettlementForWheelingThroughEimBAAs.pdf>

Market Simulation Initiatives

- Energy Imbalance Market (EIM) Enhancements 2020

- **Timeline:** December 15 – December 29 (CMRI)
- BAAOP & BSAP currently available in MAP-Stage
- Unstructured Scenarios document

<http://www.caiso.com/Documents/MarketSimulationScenariosEnergyImbalanceMarket2020Enhancements.pdf>

Known Issues

#	System	Summary	Status	Estimated Fix Date
1	ADS	Fall Forward didn't refresh connection (CIDI 231456)	In progress	No Fix date yet
2	ADS	RT DOT breakdown is no longer showing (CIDI 231483)	This feature was disabled intentionally due to security concerns	TBD
3	OMS	OMS Discovery Date error for In_Ok and Out_Ok requests	Defect	No Fix date Yet
4	ITS	Non-Reliability curtailments not getting published to ETS (tagging side)	Defect	Testing

OMS Roadmap for 2020

Release	Major Changes	Participant	MAPStage	Production
October	<p>Remove defaulting discovery date</p> <ul style="list-style-type: none"> - For retro-active outages submit discovery date. - Handle no discovery date if not previously submitted. 	All	✓ 11/05/2020	1/11/2021
	<p>Aggregate Resource Outage retrieve results changes</p> <ul style="list-style-type: none"> - Handle receiving only parent and impacted children. 	All		
	<p>Transmission Retrieve Changes</p> <ul style="list-style-type: none"> - If moving to new version (= 10012020), consume new XSD and handle receipt of multiple change requests. 	All		
	<p>Retrieve Resource/Transmission outage change request</p> <ul style="list-style-type: none"> - Limiting to 50 - Disable querying with participant ID & Date Range. - Query by Outage ID, Change request ID and Equipment ID/Resource ID 	All		

2020 - System Interface Changes - OMS

OMS					
Project	Service	Summary	Tech Spec	MAP Stage	Production
N/A	RetrieveResourceOutageChangeRequest_OMSv2_AP & DocAttach RetrieveResourceOutageChangeRequest_OMSv2_DocAttach_AP RetrieveResourceOutageChangeRequest_OMSv3_AP RetrieveResourceOutageChangeRequest_OMSv3_DocAttach_AP RetrieveTransmissionOutageChangeRequest_OMSv2_AP RetrieveTransmissionOutageChangeRequest_OMSv2_DocAttach_AP RetrieveTransmissionOutageChangeRequest_OMSv3_AP RetrieveTransmissionOutageChangeRequest_OMSv3_DocAttach_AP	<ul style="list-style-type: none"> Performance Improvements: <ul style="list-style-type: none"> Retrieve up to 50 outages by querying on outage ID) Retrieve based on Change Request ID Retrieve based on Equipment ID Removed capability of querying by participant ID Recommended use to sync data 	✓ 8/11/20, v2.1	✓ 11/5/2020	1/11/2021
N/A		<ul style="list-style-type: none"> WebOMS system will not default the discovery date 	✓ 8/11/20, v2.1	✓ 11/5/2020	1/11/2021
N/A	SubmitResourceOutage_OMSv2_AP SubmitResourceOutage_OMSv2_DocAttach_AP SubmitResourceOutage_OMSv3_AP SubmitResourceOutage_OMSv3_DocAttach_AP	<ul style="list-style-type: none"> Changes to aggregate resource outage submission for performance improvement <ul style="list-style-type: none"> Submit de-rate for parent resource (required) and only the impacted child resources Retrieve results will not be include (for both v2 and v3 services) child resources that have no curtailment Parent resource availability points need not match with child resources' but will remain within the overall outage start and end date span Child resource outages can be added to existing outage if the outage has not commenced UI display and retrieve results for historical outages will be modified to support this model Changes are being done to enhance webOMS performance 	✓ 8/11/20, v2.1	✓ 11/5/2020	1/11/2021

<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 Thursday, December 24th at 1400 PDT

Reference Slides

Independent 2020 Releases Structured Scenario Registration Details

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

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