Market Simulation – Spring 2018 Release

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May 10, 2018

Agenda

- MAP Stage Availability

- Spring 2018 Release - Deployment

- Initiatives and Timelines

- Initiatives

  - Commitment Cost Enhancements Phase 3

  - SIBR UI Upgrade

  - RAAIM Scalable

- Known Issues

- Next Steps

- Reference Slides

Spring 2018 MAP Stage Availability

Current MAP Stage Scheduled Maintenance

- SIBR/BSAP API and GUI – Originally communicated May 7, 2018, taken May 10, 2018

MAP Stage Weekly Maintenance Window

- Monday 0900 – Tuesday 0900

Spring 2018 - Deployment to Production

SIBR WebSDK UI Upgrade – May 15, 2018

CCE3 – May 16, 2018

Deployment Plan (Draft) -
http://www.caiso.com/Documents/Spring2018ExternalDeploymentPlan12.pdf

Spring 2018 Release Market Simulation Initiatives and Timelines

Spring 2018 Release Initiatives	Start Date	Start Date (Trade Date)	End Date	Structured Simulation Start (Trade Date)	Expected Participation
Spring 2018 Release Market Simulation					
Commitment Cost Enhancements Phase 3 Simulation – (MF only)	March 26, 2018	March 26, 2018	May 4, 2018	N/A	ISO Market Participants Western EIM
SIBR WebSDK UI Upgrade	February 27, 2018	February 27, 2018	May 18, 2018	N/A	ISO Market Participants Western EIM
RAAIM Scalable	May 7, 2018	May 8, 2018	May 11, 2018	N/A	ISO Market Participants

Commitment Costs Enhancements Phase 3

The CCE3 Master File only Simulation timeline –

CCE3: March 26 – May 4, 2018

MF GRDT includes CCE3, BREB, and RSI attributes -

- GRDT version 12 and Tech Spec 4.1.1 have been posted since June, 2017
- The Spring RDT and Tech Spec was updated in December to include recent changes (e.g. ICE Hub)
- GRDT Highlights (Following slide has the time lines)
- RESOURCE tab –Add Electric Region (R/O), Market Max Daily Starts (R/W), COM MW (R/O), Power Price Hub (R/O)
- Ramp Tabs (Resource & Configuration : Operational, Regulation, and Op Reserve) –Add Market Ramp Rate (R/W); discontinue supporting Min/Worst Ramp Rate (submitted values will be ignored)
- CONFIGURATION tab –Add Implied Starts (previously documented as CT Starts) (R/W)
- TRANSITION tab –Add Market Max Daily Transitions (R/W), Implied Starts (R/O)
- ULPDT Highlights
- Add Configuration ID
- ULPDT will be loaded via Batch Process with automated Batch Status notification
- Compare Report available
- Validation Rules will continue to appear on UI, not in a separate Validation Report

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SIBR UI Upgrade

The SIBR UI Upgrade Simulation timeline –

SIBR UI: February 27 – May 18, 2018

RAAIM Scalable

The RAAIM Scalable Simulation timeline continuation –

RAAIM Scalable: May 7, 2018 – May 11, 2018

- Configuration change related to Generic Availability calculation in the RAAIM Precalc
- 2-day mini-monthly run for trade dates May 9 - 10, 2018
- CAISO will be uploading Market Data from May 1 - 2, 2018 into MAP Stage for May 9 - 10, 2018 trade dates tonight, May 3, 2018
- MPs may submit outages and substitutions after CAISO upload for scenario testing no earlier than May 4, 2018 and by COB, May 7, 2018 in order to be captured by DA Market run
- Draft BPM - http://www.caiso.com/Documents/CGPCRAAvailabilityIncentiveMechanism_56.doc
- RA & Supply plans copied into MAP Stage from Production for the month of May; May 3, 2018

The change implements the fix to the incorrect generic availability calculation which did not reduce the total bids by the amount already used for flexible capacity obligation.

The existing generic availability calculation did not implement the following business rule correctly.

5.8	A resource's generic availability is equal to:
	(a) the resource's total submitted bid less the portion of: (economic bid plus eligible EFC pmin used for flexible availability), but no greater than
	(b) the positive value of generic RA obligation minus flexible RA obligation.

The existing formula used item (b), but failed to reduce the total bid by the bid already used for flexible category availability. The formula fix simply includes that flex availability reduction to the total bid in order to satisfy item (a), and fully implement the above business rule

RAAIM Scalable Settlements Calendar

Calendar Day	CMRI T+1B	Publish Initial Statement T+4B	Submit Meter Data by T+4B 18:00 for Recalc	Publish Recalc Statement T+8B	Publish Market Invoice
07-May-18					
08-May-18					
09-May-18					
10-May-18	09-May-18				
11-May-18	10-May-18				
12-May-18					
13-May-18					
14-May-18					
15-May-18		09-May-18			
16-May-18		10-May-18			
17-May-18		9-May - 10-May			
18-May-18					
19-May-18					
20-May-18					

Spring 2018 Release Known Issues

#	System	Summary	Status	Estimated Fix Date	CIDI #
1	SIBR	WebSDK - Bid summary in line filter for State.	Fixed	4/23/2018	N/A
2	SIBR	WebSDK – Transaction ID bid creation not allowed for SC (no resource associated).	Fixed	4/23/2018	N/A
3	MF	The retreieveGeneratorRdt Api call is throwing an error when "ALL" is specified for the resource id tag.	Fixed	4/27/2018	203741
4	SIBR	WebSDK: User access showing not having necessary authorization for accessing the application	Fixed	5/7/2018	203622
5	SIBR	WebSDK: Unable to export Trades data	Fixed	4/23/2018	N/A
6	SIBR	WebSDK - The SIBR WebSDK UI is NOT generating an error message when submitting trades that are NOT associated with the SC.	Fixed	4/23/2018	N/A
7	SIBR	WebSDK: RUC Bid Component Should be displayed by default if it exist	Fixed	4/23/2018	N/A
8	SIBR	WebSDK: Trade Message viewer showing rule id that are not associated with the actual trade submitted	Fixed	4/30/2018	N/A
9	SIBR	WebSDK - Energy Detail (DAM price curve) the displayed ID does not reflect the correct curve.	Fixed	4/30/2018	203454 and 203708
10	SIBR	WebSDK - column select in detail tabs for 'Resource Name' this does not populate when selected. (SS-STD example)	Fixed	5/10/2018	202194
11	SIBR	WebSDK: Need to add 'Hour' Column in Indicator Viewer Tab	Fixed	4/30/2018	N/A
12	SIBR	WebSDK - State name display	Fixed	4/30/2018	203721
13	SIBR	WebSDK: Trade Submission Issue (Unable to update depend on trade)	Fixed	5/10/2018	N/A
14	SIBR	WebSDK: Date Range filtering issue	Fixed	5/10/2018	N/A
15	SIBR	WebSDK: Unable to resize Product Display pane in Bid Summary Tab	Fixed	5/10/2018	N/A

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Next Steps

- The next teleconference will take place @ 13:00 PPT on Monday May 14, 2018

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Reference Slides

THANK YOU

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ISO Market Simulation Support

- **Hours -** 09:00 - 18:00, PST (Monday through Friday)
- **Mkt Sim Coordinator Phone -** (916) 351-2248
- **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 Winter 2017"** to be reviewed by ISO SME's.

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ISO System Access Documentation

- http://www.caiso.com/Documents/SystemAccessInformation_Market Participants.pdf

ISO System Interface Change Summary

- http://www.caiso.com/Documents/SystemInterfaceChangeSummary.pdf

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