Release Notes – Business Rules Version 11.5.1x
Up to Spring 2022 Release for SIBR/BSAP/RC-BSAP

Revision History

Date	Version	By	Description
03/29/2022	1.0	WT	Initial Draft for Spring Release 2022 set. RDRR

For the Release Notes **version 1.0 this will be the Baseline Release** and is referenced in the revision history as the Initial Draft.
For modifications and adjustments of the Business Rules(BR) for SIBR/BSAP/RC-BSAP that come after the Baseline Release the revision history will **show an Incremental change** with the new BR(vX.X.x). The incremental changes will be listed on top of the baseline.

The Baseline Release will identify all the Projects associated with the SIBR/BSAP/RC-BSAP Release and if there are any changes to the UI or API web services. Changes to the UI will be documented in the SIBR SC Users Guide, BSAP Users Guide, or the RC-BSAP Users Guide. Web services changes will be documented in the Technical Specifications and posting of the related artifacts on the application pages on our Developers site.

Contents

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California ISO

//////////////////////////////////////   **Baseline Release**   //

This set of Release Notes covers the changes going forward from the Business Rules Version 11.5.1.

SPRING 2022 for Reliability Demand Response Resource (RDRR) Release Impacts

Business Rule changes within a release may force changes to the User Interfaces or Web Services depending on the requirement changes that are needed to support new or modified functionality within system applications. The following elements defined below give a quick overview of expected changes to the systems that interface with the Business Rules.

Application	Element	Change	Comment
SIBR	*SIBR UI*	*No*	
	SIBR Web Services	*No*	
	SIBR Rules	***YES***	o **11.5.1**
BSAP	*BSAP UI*	*NO*	
	BSAP Web Services	*NO*	
	BSAP Rules	*NO*	
RC-BSAP	RC-BSAP UI	NO	
	RC-BSAP Web Services	NO	
	RC-BSAP Rules	NO	

Please visit the relevant user documentation on the Release Planning page for the updates to the documents associated to a specific Release.

SIBR User Guide – UI changes will be documented in this document.
SIBR Interface Specifications - all web service (wsdl, xsd, xml) changes will be documented in this document.
https://developer.caiso.com

BSAP User Guide – UI changes will be documented in this document.
Base Schedule Interface Specification Web Services - all web service (wsdl, xsd, xml) changes will be documented in this document. https://developer.caiso.com

RC-BSAP User Guide – UI changes will be documented in this document.
RC Base Schedule Interface Specification Web Services - all web service (wsdl, xsd, xml) changes will be documented in this document. https://developer.caiso.com

Business Rules Spring 2022 Release Projects (included Independent Projects)

The **Spring 2022 Release** rules capture changes associated with the following projects targeted for Production implementation near June 2022 timeframe.

Below in section "Business Rules Impacted", you will find Yellow highlighted rules these are for RDRR functionality, this is the baseline rules set implemented for Market Sim.

Spring RDRR:

- For RDRR bidding flexibility when the Soft Cap for Energy Bid may change from $1000 to $2000 or from $2000 to $1000:

CAISO/PSTD/WT   Last Revision 03/29/2022

o Enhances real-time bidding for the Reliability Demand Response Resource (RDRR) model by aligning RDRR bidding rules with real-time price conditions consistent with FERC Order No. 831 by requiring that RDRRs must bid at least 95% of the hard energy bid cap ($1,900/MWh) when the conditions are satisfied to raise the soft energy bid cap to $2,000/MWh without requiring additional cost-justification support to substantiate their bids.

http://www.caiso.com/informed/Pages/ReleasePlanning/Default.aspx this set may also include updates to rule modifications not tied to a release.

The full set of the Business Rules promoted to Production can be seen under the SIBR user documentation under the Application Access/ in SIBR user documentation for all rules related to SIBR/BSAP/RC-BSAP.

http://www.caiso.com/participate/Pages/ApplicationAccess/Default.aspx

SIBR UI Screen shots

N/A there is no new UI feature for Spring 2022 at this time.

SIBR API XML Text/Grid Screen shot

N/A there is no new Tech Spec feature for Spring 2022 at this time.

Revision History for Rules: (11.5.1)

Version 11.5.1

Version	Date	Changes	Reference
11.5	3/4/2022	Modified 41505 and 41507 to prevent generation of AS bids for EIM resources.	CQ 15550
11.5	3/4/2022	Modified 38010-38013, 38025-38030, 38067, and 38068 to improve the validation of AS base schedules.	CQ 15601
11.5	3/4/2022	Modified term Maximum Cost-Verified Bid Price	RDRR Bidding Enh
11.5	3/4/2022	Added rule 10091 for RDRR Bidding Enhancements effective dating functionality.	RDRR Bidding Enh
11.5	3/4/2022	Modified 31327 to disable the fixed bid floor for RDRRs upon the effective date of RDRR Bidding Enhancements.	RDRR Bidding Enh
11.5	3/4/2022	Added 31336 to enable a variable bid floor for RDRRs upon the effective date of RDRR Bidding Enhancements.	RDRR Bidding Enh
11.5	3/4/2022	Added 31337 to enable a fixed bid cap for RDRRs upon the effective date of RDRR Bidding Enhancements.	RDRR Bidding Enh
11.5	3/4/2022	Modified 41325 to apply the current cost-based bid ceiling to the Day-Ahead Market only.	RDRR Bidding Enh
11.5	3/4/2022	Added 41326 to include RDRRs in the current cost-based bid ceiling in the Real-Time Market but only until the effective date of RDRR Bidding Enhancements.	RDRR Bidding Enh
11.5	3/4/2022	Added 41329 to exclude RDRRs from the current cost-based bid ceiling in the Real-Time Market, upon the effective date of RDRR Bidding Enhancements.	RDRR Bidding Enh
11.5	3/4/2022	Added 51064 and 51065 to adjust RDRR bids to align with the bid cap applicable at the Real-Time Market Close Time.	RDRR Bidding Enh

Revision of Terms for Spring 2022 Release:

Name	Acronym	Definition
Maximum Cost-Verified Bid Price		For a given hour, the highest value of all the Energy Bid Prices submitted and validated (or generated) for Generating Resources and Non-Generator Resources, excluding RDRRs.

Business Rules Impacted – Spring 2022 Release:

Rule changes for the Version 11.5. are located below. Modified rules will have text in red, new rules will be all red and deleted rules in grey 'DEL' in market column. This is the baseline rules set implemented for Market Sim.

New and Modified rules are as follows: (Detail Summary)

SIBR BR version 11.5.

Market	Business Rule ID	Business Rule Numbering				Description	Comments
ALL	10091	1	0	0	79	The configurable RDRRBE Effective Date must be must be initialized to '06/01/2022'.	

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Market	Business Rule ID	Business Rule Numbering				Description	Comments
RTM	31337	3	1	3	5	All Energy Bid Prices of the Energy Bid Curve specified in an Energy Bid Component in a Generating Resource Bid, plus the Greenhouse Gas Price specified in the Greenhouse Gas Bid Component in that Bid, if any, must not be greater than the Real-Time Inter-Tie Energy Bid Ceiling, if the Generating Resource specified in the Generating Resource bid is registered as an RDRR for the Trading Hour of the Bid and that Trading Hour is on or after the RDRRBE Effective Date.	RDRR only.
RTM	31327	3	1	3	13	All Energy Bid Prices of the Energy Bid Curve specified in an Energy Bid Component for a Generating Resource and a Trading Hour in a Generating Resource Bid must not be less than the product of the Relative RDRR Energy Bid Floor and the Energy Bid Soft Cap, if that Generating Resource is registered as a RDRR for that Trading Hour and that Trading Hour is prior to the RDRRBE Effective Date.	RDRR only.
RTM	31336	3	1	3	14	All Energy Bid Prices of the Energy Bid Curve specified in an Energy Bid Component for a Generating Resource and a Trading Hour in a Generating Resource Bid must not be less than the product of the Relative RDRR Energy Bid Floor and the Real-Time Inter-Tie Energy Bid Ceiling, if that Generating Resource is registered as a RDRR for that Trading Hour and that Trading Hour is on or after the RDRRBE Effective Date.	RDRR only.
DAM	41325	4	1	3	27	If an Energy Bid Price of an Energy Bid Segment of the Energy Bid Curve specified in an Energy Bid Component for an Online Generating Resource State of a Generating Resource and Trading Hour in a Generating Resource Bid is greater than the Energy Bid Soft Cap and the Energy Bid Price of the Energy Bid Segment of the Default Energy Bid for that Online Generating Resource State of that Generating Resource and Trading Hour that overlaps with that Energy Bid Segment of that Energy Bid Curve, that Energy Bid Segment must be partitioned to align with that overlapping Energy Bid Segment of that Default Energy Bid, and the Energy Bid Price of that partitioned Energy Bid Segment must be replaced with the greater of the Energy Bid Soft Cap or the Energy Bid Price of that overlapping Energy Bid Segment of that Default Energy Bid.	This is now a DAM rule only.

Market	Business Rule ID	Business Rule Numbering				Description	Comments
RTM	41326	4	1	3	28	If an Energy Bid Price of an Energy Bid Segment of the Energy Bid Curve specified in an Energy Bid Component for an Online Generating Resource State of a Generating Resource and Trading Hour in a Generating Resource Bid is greater than the Energy Bid Soft Cap and the Energy Bid Price of the Energy Bid Segment of the Default Energy Bid for that Online Generating Resource State of that Generating Resource and Trading Hour that overlaps with that Energy Bid Segment of that Energy Bid Curve, that Energy Bid Segment must be partitioned to align with that overlapping Energy Bid Segment of that Default Energy Bid, and the Energy Bid Price of that partitioned Energy Bid Segment must be replaced with the greater of the Energy Bid Soft Cap or the Energy Bid Price of that overlapping Energy Bid Segment of that Default Energy Bid, if that Trading Hour is before the RDRRBE Effective Date.	
RTM	41329	4	1	3	29	If an Energy Bid Price of an Energy Bid Segment of the Energy Bid Curve specified in an Energy Bid Component for an Online Generating Resource State of a Generating Resource and Trading Hour in a Generating Resource Bid is greater than the Energy Bid Soft Cap and the Energy Bid Price of the Energy Bid Segment of the Default Energy Bid for that Online Generating Resource State of that Generating Resource and Trading Hour that overlaps with that Energy Bid Segment of that Energy Bid Curve, that Energy Bid Segment must be partitioned to align with that overlapping Energy Bid Segment of that Default Energy Bid, and the Energy Bid Price of that partitioned Energy Bid Segment must be replaced with the greater of the Energy Bid Soft Cap or the Energy Bid Price of that overlapping Energy Bid Segment of that Default Energy Bid, if the Generating Resource specified in that Bid is not registered as a RDRR for that Trading Hour, and that Trading Hour is on or after the RDRRBE Effective Date.	
RTM	51064	5	1	0	27	If an Energy Bid Price of an Energy Bid Curve specified in an Energy Bid Component in a Generating Resource Bid is less than or equal to the Energy Bid Soft Cap, and the Real-Time Inter-Tie Energy Bid Ceiling is equal to the Energy Bid Ceiling, that Energy Bid Price must be multiplied by the ratio of the Real-Time Inter-Tie Energy Bid Ceiling divided by the Energy Bid Soft Cap, if the Generating Resource specified in that Generating Resource bid is registered as an RDRR for the Trading Hour of the Bid and that Trading Hour is on or after the RDRRBE Effective Date.	RDRR only.

Market	Business Rule ID	Business Rule Numbering				Description	Comments
RTM	51065	5	1	0	28	If an Energy Bid Price of an Energy Bid Curve specified in an Energy Bid Component in a Generating Resource Bid is greater than the Energy Bid Soft Cap, and the Real-Time Inter-Tie Energy Bid Ceiling is equal to the Energy Bid Soft Cap, that Energy Bid Price must be multiplied by the ratio of the Real-Time Inter-Tie Energy Bid Ceiling divided by the Energy Bid Ceiling, if the Generating Resource specified in that Generating Resource bid is registered as an RDRR for the Trading Hour of the Bid and that Trading Hour is on or after the RDRRBE Effective Date.	RDRR only.

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END Document