



California ISO

Market Simulation Structured Scenarios

Reliability Services Initiatives 2017

1.0

November 30, 2017

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[Link](#)

Revision History

Date	Version	Description	Author
10/10/17	Draft	Initial Draft	Christopher McIntosh/Gautham Katta
11/27/17	Draft	Updated with identified settlements Charge Codes	Melchor Ciubol
11/30/17	1.0	TD's identified	Prince Phillip

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1. Introduction

The objective of this document is to provide the information needed to ISO Market Participants to participate in the Reliability Services (RSI) 2017 initiatives simulation scenarios. For the scope of this implementation and this initiative, please refer to the Reliability Services - External Business Requirements Specification – ([link](#))

2. Structured Scenarios Approach

2.1 High Level Overview

This identified scenarios will be executed during the structured scenario portion of the RSI market simulation.

2.2 Structured Scenarios Conditions and Setup

The following additional setup will be used by the ISO during the scenario execution.

1. MP's will need to provision the new CIRA roles in AIM, please provision these roles accordingly for your organization **"app_cira_supplier_write_ext"** and **"app_cira_supplier_read_ext"**.
2. ISO will post NQC values for each month ahead of time, they will be Production values.
3. RA and Supply Plans should be submitted for December 2017 and January 2018 months. ISO will change the plans cutoff to accommodate the RA and Supply plans. All plans are due by 12/06 for December and 12/15 January RA.
4. For T-25 Outage Substitution testing (POSO) ISO will manually set the configuration to be T-15 for January RA month so the POSO analysis would begin on 12/16 for January RA. Outages need to be submitted in web OMS before this date to test POSO. For December RA month please submit outages to test rolling outage analysis during the month and any other substitution scenarios.
5. MPs are required to submit planned and forced outages, these will be auto approved in OMS
6. MPs may bid in whatever resources they see fit for the scenario for RAAIM
7. ISO will run suitable modules and designate CPM's for the substitution scenario
 - a. ISO will ensure all new automated jobs are setup.
8. ISO will validate internal reports

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2.3 Structured Scenario

Scenario Number	12/5 through 12/8 for December RA month 12/5 through 12/15 for January RA month	
1	Description	Suppliers & LSEs upload and download new RA & Supply plan templates (12/5, 12/6 for December, 12/5 – 12/15 for January)
	ISO Actions	ISO will run cross validation for generic and flexible RA from 12/7 for December and from 12/16 for January
	EIM Market Participant Actions	N/A
	ISO Market Participant Actions	<ol style="list-style-type: none"> 1) Validate annual and monthly plans 2) List local, system & flexible RA 3) Verify cross validation <ol style="list-style-type: none"> a. Verify listed local and local validation 4) Verify missing & late plans report 5) Verify system/local capping (internal to the ISO) 6) Validate RA plan warning 7) Validate RA report 8) Validate generic and flexible obligation report
	Expected Outcome	MPs are able to upload and download their RA and Supply plans
	Anticipated Settlement Outcome	N/A

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Scenario Number	12/7 onwards for December and 12/16 onwards for January	
2	Description	Suppliers to validate planned outage substitution obligation
	ISO Actions	ISO runs OIA and POSO, ISO to verify CSRM output, Operational RA, OMS auto approves outages
	EIM Market Participant Actions	N/A
	ISO Market Participant Actions	Supplier should create planned outages with and without SNOO and OPOO Supplier to view OIA output <ul style="list-style-type: none"> a. MW impact b. Operational RA Supplier to view initial planned outage substitution obligation for RA (initial POSO). Check download to excel functionality which exports all outages considered for analysis Validate RAAIM Validate RA report
	Expected Outcome	Outages are visible in CIRA and planned outage substitutions obligation are as expected (POSO screen)
	Anticipated Settlement Outcome	RAAIM PC, CC 8830, and CC 8831

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Scenario Number	12/7 onwards for December and 12/16 onwards for January	
3	Description	Suppliers to validate planned outage substitution obligation for new outages
	ISO Actions	ISO runs OIA and POSO, ISO to verify CSRM output, OMS auto approves outages
	EIM Market Participant Actions	N/A
	ISO Market Participant Actions	Supplier submits new outages Supplier changes outages submitted before T-25 Supplier to view latest POSO runs and changes in POSO Validate RAAIM Validate RA report
	Expected Outcome	Outages are visible in CIRA and planned outage substitutions obligation are as expected
	Anticipated Settlement Outcome	RAAIM PC, CC 8830, and CC 8831

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Scenario Number	12/5 onwards	
4	Description	Supplier creates planned outage substitution
	ISO Actions	OMS auto approves outages
	EIM Market Participant Actions	N/A
	ISO Market Participant Actions	Supplier submits planned outage substitution for RA & CPM resources Validate RAAIM Validate RA report for outage resource and substitute resource Validate reduction in POSO assignment
	Expected Outcome	Outages are visible in CIRA
	Anticipated Settlement Outcome	RAAIM PC, CC 8830, and CC 8831

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Scenario Number	12/5 onwards	
5	Description	Supplier submits forced outage substitution
	ISO Actions	OMS auto approves outages
	EIM Market Participant Actions	N/A
	ISO Market Participant Actions	Supplier submits forced outage substitution or RA & CPM resources Validate local and system split For RA & CPM resources Validate RAAIM Validate RA report
	Expected Outcome	Outages are visible in CIRA
	Anticipated Settlement Outcome	RAAIM PC, CC 8830, and CC 8831

Scenario Number	1/9/18 – Offers available in OASIS	
6	Description	CSP Offer Publication
	ISO Actions	ISO will manipulate all participant provided CSP offers for 2017 December and 2018 January to back date to the 15 month rolling window, by 1/9/2018
	EIM Market Participant Actions	N/A
	ISO Market Participant Actions	Submit CSP offers for Annual, Monthly Intramonthly CSP offers for (December 2017 and January 2018) Offers must be submitted in CIRA by 12/15/17
	Expected Outcome	Offers available on OASIS
	Anticipated Settlement Outcome	N/A

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3. ISO Market Simulation Contact

Please contact MarketSim@caiso.com if you have any questions or concerns regarding these scenarios.