

Winter Release 2009 Market Simulation Plan

CAISO Support

- Hours: 8am – 6pm, PST (Monday thru Friday)
- Email: MSWR2009@caiso.com
- Phone: (916) 608-7348

Issue Management

- Submit all issues to the Issues Management System, (IMS). Please include “MSWR2009” in the subject field when submitting issues.

Communication Plan

- Twice-weekly Checkpoint (Status) Meetings/Teleconferences will be held to discuss Market Simulation progress and answer Market Participant questions. These will begin on 11/2/2009 and run through 12/11/2009, occurring on:
 - Mondays
 - Time: 13:00-14:00 (Pacific)
 - Call-in Number:
 - Domestic 1- (866) 254-5942
 - International 1-(612) 332-0637
 - Access Code: N/A
 - Thursdays
 - Time: 09:00-10:00 Pacific
 - Call-in Number:
 - Domestic 1- (866) 233-3845
 - International 1-(612) 332-0636
 - Access Code: N/A

Documentation Links

Market Notices:

- Conference Call: Winter Release 2009 Market Simulation (posted 21-Oct-2009)
 - <http://www.caiso.com/244e/244ead8616be0.html>

Standard Capacity Product

- Scenarios for Market Simulation - Winter Release 2009 (Draft, posted 21-Oct-2009)
 - <http://www.caiso.com/244e/244ef40eab10.pdf>
- Business Requirements Specification (Version 0.3, 11-Aug-2009)
 - <http://www.caiso.com/2408/2408dfe325100.pdf>
- Design Standard and Convention – SCP – Market Simulation (Updated 25-Sep-2009)
 - <http://www.caiso.com/2433/2433f1f039750.doc>
- Bill Determinant Matrix – SCP – Market Simulation (Updated 25-Sep-2009)
 - <http://www.caiso.com/2433/2433f11b2bc10.xls>
- SaMC Configuration File – SCP – Market Simulation (Updated 21-Sep-2009)
 - <http://www.caiso.com/2433/2433f07825e40.zip>
- Release Notes for New SLIC Technical Specifications – DRAFT (Version 1.0, Posted 05-Oct-2009)
 - <http://www.caiso.com/243e/243ee77a18ff0.pdf>

SIBR Reports/API & Rules 3.10

- SIBR Business Rules for Bidding (Version 3.10.8.1, Posted 02-Oct-2009)
 - <http://www.caiso.com/2437/2437919f463e0.xls>
- Release Notes - SIBR Business Rules for Bidding (Version 3.10.8.1, Posted 02-Oct-2009)
 - <http://www.caiso.com/243b/243b736f6c570.pdf>
- Interface Specification for SIBR Reports - Self Schedule Contracts Report (Version 1.0, Posted 20-Oct-2009)
 - <http://www.caiso.com/244d/244da9b862910.pdf>

Market Simulation Approach

High Level Overview and Timeline

Duration: 6 weeks

Structure: Please note that the AS MOO/SIBR 3.10 Market Simulation and the SCP Market Simulation are essentially independent simulations taking place concurrently. Please note that the module for RA Substitutions has been named RAAM, for Resource Adequacy Availability Management.

Week		AS MOO / SIBR 3.10 Market Simulation	SCP Market Simulation (daily and mini monthly statements will be generated for each week of Market Simulation)
2-Nov		3.10 Rules available in SIBR Lite	
9-Nov		3.10 Rules available in SIBR Lite	July Statements Published
	Connectivity Testing		
16-Nov	Structured Simulation		
	Trade Dates	actual week	8/3-8/7/09
	RA Unit Dates	Nov-2009	Aug-2009
	Seeded Bids	11/05/09	8/3-8/7/09 (no changes)
	Seeded SLIC	11/05/09	8/3-8/7/09
SC Involvement	Download of SIBR Reports and API Testing: (Bid Activity Audit Report, Distribution Location Report, Trade Activity Audit Report, Trade Status Report, Self-Schedule Contracts API)	Review Published Statements	
23-Nov	Structured Simulation		
	Trade Dates	No Market Sim Thanksgiving Week	8/10-8/14/09
	RA Unit Dates		Aug-2009
	Seeded Bids		8/10-8/14/09 (no changes)
	Seeded SLIC		8/10-8/14/09
SC Involvement	Review Published Statements		
30-Nov	Unstructured Simulation		
	Trade Dates	actual	8/17-8/21/09
	RA Unit Dates	Nov-2009	Aug-2009
	Seeded Bids	11/05/09	8/17-8/21/09 (no changes)
	Seeded SLIC	11/05/09	8/17-8/21/09
	SC Involvement	Modify seeded Bids Modify seeded SLIC data Download of SIBR Reports and API Testing	SLIC Changes/ Substitution Submissions - No changes to bids so SC must ensure Substitutions line up with existing bids from 8/17-8/21/09
Notes	AS MOO / SIBR 3.10 will use SLIC outages seeded from trade date 11/5. The SCP (settlements) SLIC data will be seeded from 8/17 - 8/21.		
7-Dec	Unstructured Simulation		
	Trade Dates	12/8-12/10/09	12/8-12/10/09
	RA Unit Dates	Nov-2009	Nov-2009
	Seeded Bids	11/10-11/12/09	11/10-11/12/09
	Seeded SLIC	11/10-11/12/09	11/10-11/12/09
	SC Involvement	Modify seeded Bids Modify seeded SLIC data Download of SIBR Reports and API Testing	Modify seeded SLIC data. Modify seeded unit Substitution requests.
Notes	SIBR & SLIC will be in Sync between both AS MOO and SCP.		

Structured Market Simulation Scenarios

Scenarios for Market Simulation - Winter Release 2009 (Draft) has been posted at:

- <http://www.caiso.com/244e/244ef40eab10.pdf>

These scenarios include:

- Ancillary Services Must Offer Obligations Scenarios
- Unit Substitution Scenarios
 - Pre-qualified Unit Substitution
 - DA/RT Unit Substitution
- Settlements Charge Code Validation
- SCP Outage Reporting

DRAFT

Market Simulation Schedule

Schedule Overview

- ***Week of November 2nd to November 6th***
 - Market participants will verify the 3.10 Rules in SIBR Lite.
- ***Week of November 9th to November 13th***
 - Market participants will continue to verify the 3.10 Rules in SIBR Lite.
 - Market participants will establish/verify connectivity to the system.
 - Statements will be published for the July 2009 Market, under 2010 Availability Rules
- ***Week of November 16th to November 20th - Structured Simulation***
 - AS/MOO
 - Seeded with Bid and SLIC data from November 5th, 2009.
 - Trade Dates are from the current week of market simulation.
 - RA Capacity amounts are from November, 2009
 - Standard Capacity Product
 - Seeded with Bid and SLIC data from August 3-7, 2009
 - Original bids from August are to be used, no new bids
 - RA Capacity amounts are from August, 2009
 - CAISO to report Outages and request Substitutions around existing Bids
 - Settlement availability - TBD
 - SIBR Reports and API Testing
- ***Week of November 23rd to November 27th - Structured Simulation***
 - AS/MOO
 - No Market Simulation
 - Standard Capacity Product
 - No teleconferences, CAISO Support Office closed
 - Seeded with Bid and SLIC data from August 10-14, 2009
 - RA Capacity amounts are from August, 2009
 - Original bids from August are to be used, no new Bids
 - CAISO to report Outages and request Substitutions around existing bids
 - Settlement availability - TBD
- ***Week of November 30th to December 4th - Unstructured Simulation***

- AS/MOO
 - Seeded with Bid and SLIC data from November 5th, 2009.
 - Trade Dates are from the current week of market simulation.
 - RA Capacity amounts are from November, 2009
 - Standard Capacity Product
 - Seeded with Bid and SLIC data from August 17-21, 2009
 - Original bids from August are to be used, no new bids
 - RA Capacity amounts are from August, 2009
 - Scheduling Coordinators to report Outages and request Substitutions around existing Bids
 - Settlement availability - TBD
 - SIBR Reports and API Testing
- ***Week of December 7th to December 11th - Unstructured Simulation***
- AS/MOO
 - Seeded with Bid and SLIC data from November 10-12, 2009
 - Trade Dates are 12/8 – 12/10/2009
 - RA Capacity amounts are from November, 2009
 - Standard Capacity Product
 - Seeded with Bid and SLIC data from November 10-12, 2009
 - New bids permitted
 - RA Capacity amounts are from November 2009
 - Scheduling Coordinators to report Outages, Request Substitutions, and submit Bids
 - Settlements to include November 10-12, 2009 trade dates only
 - Settlement availability - TBD
 - SIBR Reports and API Testing

Market Simulation Daily Schedule

Date: Monday, November 2nd

Objective:

- Provide access to 3.10 Rules in SIBR Lite.
- CAISO support 08:00-18:00
- Teleconference

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Verify 3.10 Rules in SIBR Lite	SCs
1300-1400	Teleconference to discuss progress and answer questions	CAISO/SCs

Date: Tuesday, November 3rd

Objective:

- Provide access to 3.10 Rules in SIBR Lite.
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Verify 3.10 Rules in SIBR Lite	SCs

Date: Wednesday, November 4th

Objective:

- Provide access to 3.10 Rules in SIBR Lite.
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Verify 3.10 Rules in SIBR Lite	SCs

Date: Thursday, November 5th

Objective:

- Provide access to 3.10 Rules in SIBR Lite.
- CAISO support 08:00-18:00
- Teleconference

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Verify 3.10 Rules in SIBR Lite	SCs
0900-1000	Teleconference to discuss progress and answer questions	CAISO/SCs

Date: Friday, November 6th

Objective:

- Provide access to 3.10 Rules in SIBR Lite.
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Verify 3.10 Rules in SIBR Lite	SCs

Date: Monday, November 9th

Objective:

- Provide access to 3.10 Rules in SIBR Lite.
- Connectivity Testing
- CAISO support 08:00-18:00
- Teleconference

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Verify 3.10 Rules in SIBR Lite	SCs
0800-1800	Test Connectivity	SCs
1300-1400	Teleconference to discuss progress and answer questions	CAISO/SCs

Date: Tuesday, November 10th

Objective:

- Provide access to 3.10 Rules in SIBR Lite.
- Connectivity Testing
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Verify 3.10 Rules in SIBR Lite	SCs
0800-1800	Test Connectivity	SCs

Date: Wednesday, November 11th

Objective:

- Provide access to 3.10 Rules in SIBR Lite.
- Connectivity Testing
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Verify 3.10 Rules in SIBR Lite	SCs
0800-1800	Test Connectivity	SCs

Date: Thursday, November 12th

Objective:

- Provide access to 3.10 Rules in SIBR Lite.
- Connectivity Testing
- CAISO support 08:00-18:00
- Teleconference

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Verify 3.10 Rules in SIBR Lite	SCs
0800-1800	Test Connectivity	SCs
0900-1000	Teleconference to discuss progress and answer questions	CAISO/SCs

Date: Friday, November 13th

Objective:

- Provide access to 3.10 Rules in SIBR Lite.
- Connectivity Testing
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Verify 3.10 Rules in SIBR Lite	SCs
0800-1800	Test Connectivity	SCs

Date: Monday, November 16th

Objective:

- AS/MOO SIBR 3.10 Structured Market Simulation
- SCP Structured Market Simulation
- CAISO support 08:00-18:00
- Teleconference

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800	Seed AS/MOO BID and SLIC Data 11/5/2009	CAISO
0800-1800	Run AS/MOO Structured Simulations	CAISO
0800	Seed SCP Bid and SLIC Data 8/3/2009 – 8/7/2009	CAISO
0800-1800	Run SCP Structured Simulations	CAISO
0800-1800	Verify SIBR Reports & API	SCs
1300-1400	Teleconference to discuss progress and answer questions	CAISO/SCs

Date: Tuesday, November 17th

Objective:

- AS/MOO SIBR 3.10 Structured Market Simulation
- SCP Structured Market Simulation
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Run AS/MOO Structured Simulations	CAISO
0800-1800	Run SCP Structured Simulations	CAISO
0800-1800	Verify SIBR Reports & API	SCs

Date: Wednesday, November 18th

Objective:

- AS/MOO SIBR 3.10 Structured Market Simulation
- SCP Structured Market Simulation
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Run AS/MOO Structured Simulations	CAISO
0800-1800	Run SCP Structured Simulations	CAISO
0800-1800	Verify SIBR Reports & API	SCs

Date: Thursday, November 19th

Objective:

- AS/MOO SIBR 3.10 Structured Market Simulation
- SCP Structured Market Simulation
- CAISO support 08:00-18:00
- Teleconference

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Run AS/MOO Structured Simulations	CAISO
0800-1800	Run SCP Structured Simulations	CAISO
0800-1800	Verify SIBR Reports & API	SCs
0900-1000	Teleconference to discuss progress and answer questions	CAISO/SCs

Date: Friday, November 20th

Objective:

- AS/MOO SIBR 3.10 Structured Market Simulation
- SCP Structured Market Simulation
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Run AS/MOO Structured Simulations	CAISO
0800-1800	Run SCP Structured Simulations	CAISO
0800-1800	Verify SIBR Reports & API	SCs

Date: Monday, November 23th

Objective:

- SCP Structured Market Simulation

Time	Test Step	Responsibility
0800	Seed SCP Bid and SLIC Data 8/10/2009 – 8/14/2009	CAISO
0800-1800	Run SCP Structured Simulations	CAISO

Date: Tuesday, November 24th

Objective:

- SCP Structured Market Simulation

Time	Test Step	Responsibility
0800-1800	Run SCP Structured Simulations	CAISO

Date: Wednesday, November 25th

Objective:

- SCP Structured Market Simulation

Time	Test Step	Responsibility
0800-1800	Run SCP Structured Simulations	CAISO

Date: Thursday, November 26th

Objective:

- SCP Structured Market Simulation

Time	Test Step	Responsibility
0800-1800	Run SCP Structured Simulations	CAISO

Date: Friday, November 27th

Objective:

- SCP Structured Market Simulation

Time	Test Step	Responsibility
0800-1800	Run SCP Structured Simulations	CAISO

Date: Monday, November 30th

Objective:

- AS/MOO SIBR 3.10 Unstructured Market Simulation
- SCP Unstructured Market Simulation (No changes to August bids)
- CAISO support 08:00-18:00
- Teleconference

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800	Seed AS/MOO BID and SLIC Data 11/5/2009	CAISO
0800-1800	Run AS/MOO Unstructured Simulations	CAISO/SCs
0800	Seed SCP Bid Data and SLIC Data 8/17/2009 – 8/21/2009	CAISO
0800-1800	Run SCP Unstructured Simulations (no new bids allowed)	CAISO/SCs
0800-1800	Verify SIBR Reports & API	SCs
1300-1400	Teleconference to discuss progress and answer questions	CAISO/SCs

Date: Tuesday, December 1st

Objective:

- AS/MOO SIBR 3.10 Unstructured Market Simulation
- SCP Unstructured Market Simulation (No changes to August bids)
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Run AS/MOO Unstructured Simulations	CAISO/SCs
0800-1800	Run SCP Unstructured Simulations (no new bids allowed)	CAISO/SCs
0800-1800	Verify SIBR Reports & API	SCs

Date: Wednesday, December 2nd

Objective:

- AS/MOO SIBR 3.10 Unstructured Market Simulation
- SCP Unstructured Market Simulation (No changes to August bids)
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Run AS/MOO Unstructured Simulations	CAISO/SCs
0800-1800	Run SCP Unstructured Simulations (no new bids allowed)	CAISO/SCs
0800-1800	Verify SIBR Reports & API	SCs

Date: Thursday, December 3rd

Objective:

- AS/MOO SIBR 3.10 Unstructured Market Simulation
- SCP Unstructured Market Simulation (No changes to August bids)
- CAISO support 08:00-18:00
- Teleconference

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Run AS/MOO Unstructured Simulations	CAISO/SCs
0800-1800	Run SCP Unstructured Simulations (no new bids allowed)	CAISO/SCs
0800-1800	Verify SIBR Reports & API	SCs
0900-1000	Teleconference to discuss progress and answer questions	CAISO/SCs

Date: Friday, December 4th

Objective:

- AS/MOO SIBR 3.10 Unstructured Market Simulation
- SCP Unstructured Market Simulation (No changes to August bids)
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Run AS/MOO Unstructured Simulations	CAISO/SCs
0800-1800	Run SCP Unstructured Simulations (no new bids allowed)	CAISO/SCs
0800-1800	Verify SIBR Reports & API	SCs

Date: Monday, December 7th

Objective:

- AS/MOO SIBR 3.10 Unstructured Market Simulation
- SCP Unstructured Market Simulation
- CAISO support 08:00-18:00
- Teleconference

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800	Seed AS/MOO BID and SLIC Data 11/10/2009 -11/12/2009	CAISO
0800-1800	Run AS/MOO Unstructured Simulations (Trade Date 12/8/2009)	CAISO/SCs
0800	Seed SCP Bid Data and SLIC Data 11/10/2009 – 11/12/2009	CAISO
0800-1800	Run SCP Unstructured Simulations (Trade Date 12/8/2009)	CAISO/SCs
0800-1800	Verify SIBR Reports & API	SCs
1300-1400	Teleconference to discuss progress and answer questions	CAISO/SCs

Date: Tuesday, December 8th

Objective:

- AS/MOO SIBR 3.10 Unstructured Market Simulation
- SCP Unstructured Market Simulation
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Run AS/MOO Unstructured Simulations (Trade Date 12/9/2009)	CAISO/SCs
0800-1800	Run SCP Unstructured Simulations (Trade Date 12/9/2009)	CAISO/SCs
0800-1800	Verify SIBR Reports & API	SCs

Date: Wednesday, December 9th

Objective:

- AS/MOO SIBR 3.10 Unstructured Market Simulation
- SCP Unstructured Market Simulation
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Run AS/MOO Unstructured Simulations (Trade Date 12/10/2009)	CAISO/SCs
0800-1800	Run SCP Unstructured Simulations (Trade Date 12/10/2009)	CAISO/SCs
0800-1800	Verify SIBR Reports & API	SCs

Date: Thursday, December 10th

Objective:

- AS/MOO SIBR 3.10 Unstructured Market Simulation
- SCP Unstructured Market Simulation
- CAISO support 08:00-18:00
- Teleconference

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Run AS/MOO Unstructured Simulations (Will not be settled)	CAISO/SCs
0800-1800	Run SCP Unstructured Simulations (Will not be settled)	CAISO/SCs
0900-1000	Teleconference to discuss progress and answer questions	CAISO/SCs

Date: Friday, December 11th

Objective:

- AS/MOO SIBR 3.10 Unstructured Market Simulation
- SCP Unstructured Market Simulation
- CAISO support 08:00-18:00

Time	Test Step	Responsibility
0800-1800	CAISO support	CAISO
0800-1800	Run AS/MOO Unstructured Simulations (Will not be settled)	CAISO/SCs
0800-1800	Run SCP Unstructured Simulations (Will not be settled)	CAISO/SCs