Congestion Revenue Rights (CRR) Upgrade Project

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Congestion Revenue Rights Team
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Manager Market Settlement Production
Instructions for raising your hand to ask a question

• If you are connected to audio through your computer or used the “call me” option, select the raise hand icon located on the top right of the chat window. Note: #2 only works if you dialed into the meeting.
  – Please remember to state your name and affiliation before making your comment.
  – If you need technical assistance during the meeting please send a chat to the event producer.
  – You may also send your questions via chat to Brenda Corona or to all panelists.
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<th>Time</th>
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<tr>
<td>10:00 – 10:05</td>
<td>Welcome</td>
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<td>10:05 – 10:15</td>
<td>CRR Upgrade Project - Overview</td>
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<td>10:15 – 10:25</td>
<td>CRR Upgrade project – Get connected</td>
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<td>10:55 – 11:00</td>
<td>Next Steps</td>
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The ISO has decided to upgrade the existing CRR system with a new system that adopts the latest technology stack aligned with the ISO’s technology standards, consolidates all CRR related functions, minimizes human errors, reduces processing time, eliminates manual workarounds, and positions the system to accommodate policy changes down the road.

This on-going Customer Partnership Group (CPG) will provide an overview of the schedule, review of external BRS and answer questions. Subsequent meetings will include detailed review and discussion of business process changes impacting market participants.

The goal of this CPG is to ensure customer readiness as this project deploys to Production in 2024.
CRR Upgrade project – Get connected

- Launching a bi-weekly Customer Partnership Group (CPG) focused on the Congestion Revenue Rights (CRR) System Upgrade Project.
- A presentation will be posted prior to the call on the ISO website [here](#).
- Meeting Details:
  - Date: June 1st, 2022
  - Time: 10 a.m. - 11 a.m. Pacific Time
  - [Add to calendar](#)
- Call Details Information
  - Step 1: [https://caiso.webex.com/meet/jmalekos](https://caiso.webex.com/meet/jmalekos)
  - Step 2: Have the WebEx call you directly.
  - If you do not have access to the internet
  - Dial In Number: 844-517-1271
CRR Upgrade Project – Overview of changes

- Consolidate data publishing in MUI and/or OASIS
  - Calendar: change from webpost to OASIS
  - Model data: change from webpost to MUI, including both NDA and non NDA files
  - Market Result data: from webpost to MUI

- Modeling data
  - Powerflow case to be released in PSSE v30
  - ITC definition will be modeled as source and sink

- Features added to enable user performing additional tasks
  - MT_TOR: user to submit through UI, currently performed by CRR group

- Changes to Load Migration and Load Submission processes

- User access
  - User will be provisioned to specific functions within the system, based on the application access request approval process

- Webservices interface for interacting with MUI
CAISO B2B Improvements – Goals & Current Status

• **Goals**
  - Enhance the developer experience working with CAISO Web API’s
  - Provide API’s in REST/JSON using OpenAPI 3.0 specification
  - Provide examples, mock services and tooling to generate client/server stubs and SDK
  - Provide tests for the API’s using Postman collections
  - Collaboration using Git and forums on developer.caiso.com
  - Simplify authentication using mutual TLS and X.509 certificates

• **Update**
  - PowerPoint presentation and webinar recording
  - Draft version of CRR Auction Service OpenAPI Specifications
  - Draft version of CRR business validate message bundle
CAISO B2B Improvements – File Naming Convention

A2A/B2B OpenAPI File Naming Conventions for versioning:

File name example: `caiso_crr_market_info_v1.0.0_openapi.yaml`

Version Numbering Format: **MAJOR.MINOR.MINI**

MAJOR version of the file name will be incremented if there are any new services added or any major version update to any of the existing services

MINOR version of the file name will be incremented if there any minor version update to any of the existing services

MINI version of the file name will be incremented if there are only documentation changes/corrections, with no service changes.
Each version update of the file name will reset the version numbers on the right.

Version numbers will be tracked into the YAML file as part of the Release Notes.

Example:
- v1.0.0: File is published to market participants
- v1.0.1: Edits were made to documentations, no functional changes
- v1.0.2: Edits were made to documentations, no functional changes
- v1.0.3: Edits were made to documentations, no functional changes
- v1.1.0: Added a Minor version for a service
- v1.1.1: Edits were made to documentations, no functional changes
- v1.2.0: Added a Minor version for a service
- v1.3.0: Added a Minor version for a service
- v2.0.0: Added a Major version for a service
- v2.0.1: Edits were made to documentations, no functional changes
- v3.0.0: Added a new service
## CAISO B2B Improvements – New Web Services for CRR

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<th>Service</th>
<th>Operation</th>
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<td>POST/GET</td>
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<tr>
<td>Auction Bid Portfolio</td>
<td>POST/GET</td>
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<td>Historical and Forecasted Load</td>
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<tr>
<td>Existing CRRs (CRR Market Data)</td>
<td>GET</td>
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<tr>
<td>Market Data (CRR Market Data)</td>
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<tr>
<td>Market Results (CRR Market Data)</td>
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<td>Private Allocation Results (CRR Market Data)</td>
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<td>Private Auction Results (CRR Market Data)</td>
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<td>Load Migration Data</td>
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<td>Market Status (Market Info)</td>
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<td>CRR Messages</td>
<td>GET</td>
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<td>Secondary Market</td>
<td>POST/GET</td>
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<td>TOR Conversion</td>
<td>POST/GET</td>
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Next Steps

• Next meeting is June 1st, 2022

• Visit initiative webpage for more information:  

• If you have any questions, please contact isostakeholderaffairs@caiso.com
• The ISO is pleased to be hosting the Stakeholder Symposium in-person at the Safe Credit Union Convention Center in downtown Sacramento on Nov. 9 – 10, 2022

• Registration will be open in May
  • Public notice will be issued once the site is available

• Additional information is available on the Stakeholder Symposium page on ISO’s website at: http://www.caiso.com/informed/Pages/MeetingsEvents/StakeholderSymposium/Default.aspx

• Please direct questions to symposiumreg@caiso.com