Technology User Group (TUG)

November 12, 2019

10:00 – 11:00 AM Pacific

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TUG Agenda

Web Conference Information		Conference Call Information	
URL	https://caiso.webex.com/meet/CAISO-TUG	*Domestic Call-In*	(866) 528-2256
Meeting Number	966 010 353	*International Call-In*	(216) 706-7052
Access Code	389 588 9	*Access Code*	389 588 9

Topic	Facilitator
Agenda and Roll Call	Indu Nambiar
System Interface Changes	Trang Deluca
MRI-S AUP Update	Ramesh Dasari
OASIS Update	Neela Alla
Ongoing Initiatives	Indu Nambiar

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System Interface Changes: MF

Release	Project	Change Type	API Service Name & Major Version, Artifacts	Minor Version	RDT	MAP Stage	Production Activation	Technical Specifications
Fall 2019	ESDER3A LMPME CCEDEBE1	Modify	RetrieveGeneratorRDT_MFRDv4 RetrieveGeneratorRDT_MFRDv4_DocAttach	20191001		Sep 5, 2019	Oct 29, 2019	5.1
Fall 2019	ESDER3A LMPME	Modify	SubmitGeneratorRDT_MFRDv4 SubmitGeneratorRDT_MFRDv4_DocAttach	20191001	GRDT v13.0	Sep 5, 2019	Oct 29, 2019	5.1

System Interface Changes: SIBR, BSAP

System	Release	Project	Change Type	API Service Name & Major Version, Artifacts	MAP Stage	Production Activation	Technical Specifications
SIBR	Fall 2019	CCDEBE1	Modify	RetrieveCleanBidSet_SIBRv5 RetrieveCleanBidSet_SIBRv5_DocAttach	Oct 16, 2019	Dec 4, 2019	v13.2
SIBR	Fall 2019	CCDEBE1	Modify	RetrieveCurrentBidResults_SIBRv5 RetrieveCurrentBidResults_SIBRv5_DocAttach	Oct 16, 2019	Dec 4, 2019	v13.2
SIBR	Fall 2019	CCDEBE1	Modify	SubmitRawBidSet_SIBRv5 SubmitRawBidSet_SIBRv5_DocAttach	Oct 16, 2019	Dec 4, 2019	v13.2
BSAP	Fall 2019	EIM 2019	Modify	RetrieveBalancingTestResults_BSAPv2 RetrieveBalancingTestResults_BSAPv2_DocAttach	Oct 16, 2019	Nov 13, 2019	1.7.3

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System Interface Changes: CMRI

Project	Change Type	UI Change	API Service Name & Major Version, Artifacts	MAP Stage	Technical Specifications
LMPME CCDEBE1	Modify	Tab: Default Bids Existing Report: Default Energy Bid Curves	RetrieveDefaultBidCurves_CMRIv2 RetrieveDefaultBidCurves_CMRIv2_DocAttach	LMPME Sep 12, 2019 CCDEBE1 Nov 11, 2019	3.9.3
CCDEBE1	Modify	Tab: Default Bids Existing Report: Default Commitment Costs	RetrieveExternalDefaultCommitmentCost_CMRIv1 RetrieveExternalDefaultCommitmentCost_CMRIv1_DocAttach	Nov 11, 2019	3.9.3
EIM 2019	New	Tab: Energy Imbalance Market New Report: Resource Operating Limits	RetrieveEIMResourceOperatingLimit_CMRIv1 RetrieveEIMResourceOperatingLimit_CMRIv1_DocAttach	Oct 3, 2019	3.9.3
EIM 2019	New	Tab: Real-Time New Report: Resource Operating Limits	RetrieveResourceOperatingLimit_CMRIv1 RetrieveResourceOperatingLimit_CMRIv1_DocAttach	Oct 3, 2019	3.9.3

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System Interface Changes: OASIS

Release	Project	Change Type	Customer Impact	UI Change	API Service Name & Major Version, Artifacts	MAP Stage	Production Activation	Technical Specifications
Fall 2019	EIM 2019	New		Tab: ENERGY New Report: Transmission Loss	ENE_TRANS_LOSS	Oct 7, 2019	Nov 13, 2019	5.1.9

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MRI-S API Acceptable Use Policy

- In order to ensure system stability and performance, ISO is planning to implement AUP for the MRI-S application API:
  - Impacts only retrieve services
  - Allows a user to retrieve a single service request once every 30 seconds.
  - Participants can submit/retrieve other service requests within the same time period *(i.e.30 seconds)*
  - The user will receive the following error message if the same service is submitted or retrieved within 30 seconds:
    - *"CAISO MRI-S Acceptable Use Policy Violation. Please retry your request again in 30 seconds from now. Note: Time resets each time you request before expiration."*
  - Technical Specification document is updated with this information.

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OASIS Production Data Retrieval Issues

Functional variance for Group zip files were reported as market participants were unable to retrieve complete price information.

Issues encountered:

- RTM_LMP_GRP, RTD_SPTIE_LMP_GRP and RTPD_SPTIE_LMP_GRP - Missing intervals for HE24 for Multiple Trade Dates
- RTM_LMP_GRP, DAM_LMP_GRP and DAM_SPTIE_LMP_GRP - Combining all Price Types into one Response file

Resolution:

- Root cause was identified and we are working on a patch.
- As a part of this patch,
  - The "enddatetime" is ignored if the query is to pull "ALL" or "ALL_APNODES" nodes; ie query will return only 1 hours' worth of data for all nodes at a time based on the "startdatetime" supplied
  - The "enddatetime" is referenced only when a node is supplied in the query
- The patch has been applied to Production on 6 Nov 2019.
- All issues, if any, will be resolved through the standard CIDI Process.

Reminders:

- If this message is returned: "<m:ERR_DESC> GroupZipDownLoadis in Processing, Please Submit request after Sometime</m:ERR_DESC>", the API file generation process has initiated, and the users must retry the request to retrieve the completely generated file at a later time.
- CAISO requests to use the latest supported version as mentioned in the Tech Specs for application programming interfaces (API)

REF: https://developerint.oa.caiso.com/Artifacts/OASIS/TechSpecs/OASIS%20Interface%20Specification%20v5.1.10.pdf

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Ongoing Initiatives

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CRR Revenue Adjustments report to be removed from CMRI

Background:

- January 2019 – deployed <u>CRR Revenue Adjustments report</u>

- March 2019 – deployed <u>CRR Revenue Adjustments Details report</u>
  - The Details report contains all the data the Summarized report and is provided for each CRR at a unique source and sink location
  - The Details report has data back to January 2019

CAISO will remove <u>CRR Revenue Adjustments report</u> effective with the 2019 Fall Release activation

- CMRI tech specs were updated 7/19/2019

- BPMs update is forthcoming

Fall 2019 - Technical Specification Updates

The technical specification updates for all applications that are impacted for Fall 2019 are detailed in the agenda for the TUG call on May 28, 2019 and can be found at:

http://www.caiso.com/Documents/Agenda-TechnicalUserGroupWebConferenceMay282019.pdf

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Revised Technical Specification Template

CAISO Technical Specification template changes

- Standardization
- Efficient
- Lean

Proposed changes include:

- Document release notes with service level change details
- Sample XMLs posted outside the document
- Simplified element table to remove redundant information
- Section for service specific use model
- Consolidated list of service artifacts for supported versions

Revised template is available at:

http://www.caiso.com/Documents/TechnicalSpecification-Template-TechnicalUserGroup.pdf

Standardization of time format for data submissions & data requests

- ISO is implementing the use of standard date time format for all B2B data submissions

- Current formats that are accepted:
  - 2019-07-10T00:00:00-07:00 – offset of 7 hours based on Pacific Daylight Time
  - 2019-01-20T00:00:00-08:00 – offset of 8 hours based on Pacific Standard Time
  - 2019-01-20T08:00:00-00:00 – Timestamp in GMT/UTC
  - 2019-07-10T07:00:00Z – Timestamp in GMT/UTC

- Future acceptable formats (to match the response from ISO):
  - 2019-04-20T07:00:00-00:00 – Timestamp in GMT/UTC
  - 2019-04-20T07:00:00Z – Timestamp in GMT/UTC
  - OR
  - 2019-12-20T08:00:00-00:00 – Timestamp in GMT/UTC
  - 2019-12-20T08:00:00Z – Timestamp in GMT/UTC

- Implementation Plan
  - Technical Specifications Updated with accepted format - Fall 2019 Release
  - Enforcement of new format - **Fall 2020 Release**

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Next TUG: Nov 26, 2019

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