California ISO

Technology User Group (TUG)

April 16 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	Trang Deluca
System Interface Changes	Trang Deluca
CMRI Improvements	Neela Alla / Arul Jayaraman
Ongoing Initiatives	Indu Nambiar

System Interface Changes: CMRI

Release	Project	Change Type	Customer Impact	Customer Action	UI Change	API Service Name & Major Version	MAP Stage	Production Activation	Technical Specifications	Artifacts
Spring 2019	CCE3	New	CAISO Market	Adopt when ready	Tab: Default Bids New Report: Actual Limitation Values	RetrieveActualLimitationValues_CMRIv1 RetrieveActualLimitationValues_CMRIv1_DocAttach	Sep 2018	April 1, 2019* *Data available by April 22 for May 2018 thru April 2019	3.8.2	1.1
Spring 2019	CCE3	New	CAISO Market	Adopt when ready	Tab: Default Bids New Report: Resource Opportunity Costs	RetrieveResourceOpportunityCost_CMRIv1 RetrieveResourceOpportunityCost_CMRIv1_DocAttach	Sep 2018	April 1, 2019* *Data available April 30 for May 2019	3.8.2	1.1
2019	RCSI	New	RC	Adopt when ready	New Tab: Reliability Coordination New Report: Load Forecast	RetrieveRCLoadForecast_CMRI_v1 RetrieveRCLoadForecast_CMRI_v1_DocAttach	Feb 1, 2019	Jul 1, 2019	1.0.0	1.1.0

System Interface Changes: OMS

Release	Project	Change Type	API Service Name & Major Version	MAP Stage	Production Activation	Technical Specifications	Artifacts
2019	RCSI	Modify* **While the CAISO supports two major versions of API, the CAISO strongly recommends moving to the latest one (v3)*	RetrieveAvailabilityResults_OMSv2 RetrieveAvailabilityResults_OMSv2_DocAttach RetrieveResourceOutage_OMSv3 RetrieveResourceOutage_OMSv3_DocAttach RetrieveResourceOutageChangeRequest_OMSv3 RetrieveResourceOutageChangeRequest_OMSv3_DocAttach RetrieveTransmissionOutage_OMSv3 RetrieveTransmissionOutage_OMSv3_DocAttach RetrieveTransmissionOutageChangeRequest_OMSv3 RetrieveTransmissionOutageChangeRequest_OMSv3_DocAttach SubmitResourceOutage_OMSv3 SubmitResourceOutage_OMSv3_DocAttach SubmitResourceOutageChangeRequest_OMSv3 SubmitResourceOutageChangeRequest_OMSv3_DocAttach SubmitTransmissionOutage_OMSv3 SubmitTransmissionOutage_OMSv3_DocAttach SubmitTransmissionOutageChangeRequest_OMSv3 SubmitTransmissionOutageChangeRequest_OMSv3_DocAttach	Feb 28, 2019	Jul 1, 2019	2.0	Artifacts

System Interface Changes: ALFS, RCBSAP, RCEIDE, STLMT

System	Release	Project	Change Type	API Service Name & Major Version	MAP Stage	Production Activation	Technical Specifications	Artifacts
ALFS	2019	RCSI	New	SubmitExternalEntity5MinLoadForecast_ALFSv1 SubmitExternalEntity5MinLoadForecast_ALFSv1_DocAttach SubmitExternalEntity15MinLoadForecast_ALFSv1 SubmitExternalEntity15MinLoadForecast_ALFSv1_DocAttach SubmitExternalEntity60MinLoadForecast_ALFSv1 SubmitExternalEntity60MinLoadForecast_ALFSv1_DocAttach	Feb 1, 2019	Jul 1, 2019	1.0.0	Artifacts
RCBSAP	2019	RCSI	New	RetrieveRCBaseScheduleResults_RCBSAPv1 RetrieveRCBaseScheduleResults_RCBSAPv1_DocAttach SubmitRCBaseSchedule_RCBSAPv1 SubmitRCBaseSchedule_RCBSAPv1_DocAttach	Feb 1, 2019	Jul 1, 2019	1.1	Artifacts
RCEIDE	2019	RCSI	New	PutSchedule_RC	Feb 1, 2019	Jul 1, 2019	1.0	Artifacts
STLMT	2019	RCSI	New	SubmitNetEnergyData_STLMTv1 SubmitNetEnergyData_STLMTv1_DocAttach *For RC Customers outside of the CAISO BA to submit Net Energy for Load and Net Generation	April 2019	TBD	1.0	1.0

Fall 2019 Release – System Interface Changes *(Preliminary)*

System	Project	Change Type	Description	MAP Stage	Production Activation	Technical Specifications	Artifacts
CMRI	CCDEBE1	New	participant to retrieve final default commitment cost	Jul 15, 2019	Oct 1, 2019	May 17, 2019 https://developer.caiso.com/	
CMRI	CCDEBE1	Modify	participant to retrieve default bid curve at hourly level and include DEB source (cost type/ exante process)				
CMRI	LMPME	Modify	DefaultBidCurves_v1 XSD change to remove enumeration from XSD				
CMRI	EIM 2019	Modify	include base schedule deviation in the balancing test results XSD				
DRRS	ESDER3A	New	DRRegistrationData				
MF	ESDER3A	Modify	GeneratorRDT_v4 XSD for additional bid dispatchable option for PDR				
MF	LMPME	Modify	GeneratorRDT_v4 XSD change to add default/alternate bilateral hub, max horizon cap value, and new DEB type				
SIBR	CCDEBE1	New	participant to submit exante bid and commitment				
SIBR	CCDEBE1	New	participant to retrieve submitted exante bid and commitment				
SIBR	CCDEBE1	New	participant to retrieve final exante bid and commitment				

References

- This document
  - http://www.caiso.com/Documents/SystemInterfaceChangeSummary.pdf
- Developer Site
  - https://developer.caiso.com/
  - Requires sign-up for access
  - Fall 2019 Release Technical Specifications will be published here
- Application Access
  - http://www.caiso.com/participate/Pages/ApplicationAccess/Default.aspx

Coming soon….

CAISO Interface Specification template changes

- Standardization
- Efficient
- Lean

Please send suggestions to inambiar@caiso.com

Ongoing Initiatives

CMRI Improvements

CAISO is planning CMRI UI Changes & Performance Improvements

- Graphical User-Interface update v7.0.0
  - Look-and-Feel: Text color, command buttons, icons, drop-down
  - Similar to OASIS changes currently in Production
- Performance Improvements
  - Technology/Infrastructure Upgrade
  - Data Model Normalization
    - Due to data model normalization there will be data migration effort from old model to new model.
    - Data migration process is being tested in Non-Production environment. Once we have an accurate migration timeline, ISO will communicate the plan.
- Market Participant Testing prior to Production deployment.
- NO API interface changes and NO functionality changes.

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**

Next TUG: Apr 30, 2019

Contact for Questions & Agenda Requests: Indu Nambiar, inambiar@caiso.com

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