



California ISO

# Technology User Group (TUG)

February 6, 2018

10:00 – 11:00 AM Pacific

# TUG Agenda

Web Conference Information		Conference Call Information	
<i>URL</i>	<a href="https://caiso.webex.com/meet/twilliams">https://caiso.webex.com/meet/twilliams</a>	<i>Domestic Call-In</i>	(866) 528-2256
<i>Meeting Number</i>	966 010 353	<i>International Call-In</i>	(216) 706-7052
<i>Access Code</i>	389 588 9	<i>Access Code</i>	608 597 8

Time	Topic	Facilitator
10:00 – 10:05	Agenda and Roll Call	Thomas Williams
10:05 – 10:25	Disabling TLS 1.0 and 1.1	Ramon Gomez
10:25 – 10:50	New Developer Collaboration Site	René Dupré and John Huetter
10:50 – 10:55	Adjourn	Thomas Williams

# Disabling TLS 1.0 and 1.1

*The ISO will disable TLS 1.0 and 1.1 in accordance with industry best practices for security and data integrity*

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**MAP-Stage date**

***February 20, 2018***

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**Production date**

***April 23, 2018***

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As of January 29, approximately 25% of ISO Market Participants are not using TLS 1.2 for ADS and CMRI:

<https://ads.caiso.com/ADS/APIService>

<https://portal.caiso.com/cmri/>\*

<https://webservices.caiso.com/sst/cmri/>\*

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The document *Systems Access Information for Market Participants* contains information for accessing the MAP-Stage and Production environments:

[http://www.caiso.com/Documents/SystemAccessInformation\\_MarketParticipants.pdf](http://www.caiso.com/Documents/SystemAccessInformation_MarketParticipants.pdf)

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# Disabling TLS 1.0 and 1.1

*Market Participants should confirm connectivity to the MAP-Stage portal and APIs well ahead of the production change on April 23, 2018*

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Market Participants must enable TLS 1.2 in browsers and APIs

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Minimal testing should include UIs and APIs for ADS, CMRI, and OMS (depending on provisioned access)

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Market Participants need not manually disable TLS 1.0 and 1.1 in browsers and APIs; the TLS handshake will negotiate the highest mutually supported TLS version (which must be TLS 1.2)

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Market Participants who cannot connect to the ISO portal and APIs due to a TLS version issue may receive errors such as *wrong version*, *unsupported negotiation*, or *failed handshake*

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# Disabling TLS 1.0 and 1.1

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## *Special instructions for ADS users*

ADS users on versions older than 6.1.0.0 **must** upgrade to the current version

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To install the ADS 6.1.0.0 client, go here:

[https://mpp.caiso.com/ads\\_install](https://mpp.caiso.com/ads_install)

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Applicable Market Notice:

[http://www.caiso.com/Documents/MandatoryUrgentUpgradeISOAutomatedDispatchSystemClient6\\_1\\_0\\_0Available\\_Production.html](http://www.caiso.com/Documents/MandatoryUrgentUpgradeISOAutomatedDispatchSystemClient6_1_0_0Available_Production.html)

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The ISO's new Collaboration / Developer website (<https://developer.caiso.com>) acknowledges the deactivation of TLS 1.0 and TLS 1.1 for Spring 2018

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## New Collaboration Site

The ISO has redesigned its collaboration site for developers

The site has moved from the MPP portal to a new location

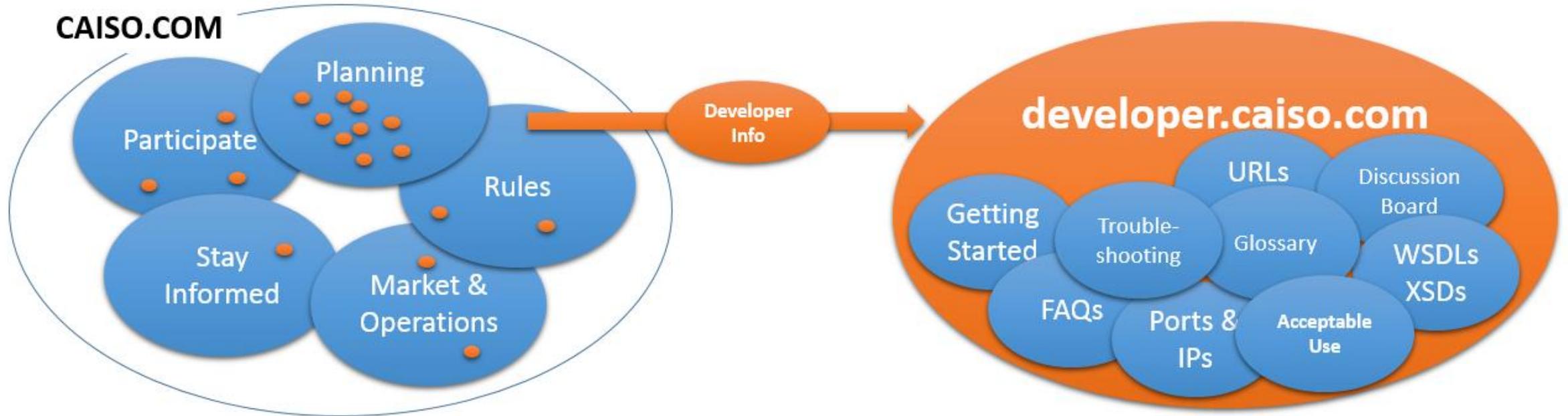
<https://mpp.caiso.com/discuss> will be decommissioned (“System Integration Discussions” on mpp.caiso.com)

The new site is <https://developer.caiso.com>

Developer information will no longer be on [www.caiso.com](http://www.caiso.com)

The new site consolidates developer information and organizes it by application

# New Service Artifacts Repository



# New Collaboration Site

Sorted by application

API URLs and IP addresses by environment

Service artifacts by release

XML and WDSL downloads

Links to documentation and release notes

Acceptable Use Policies

Frequently Asked Questions

Troubleshooting tips

Community Discussion Board

Glossary

Application Outage Schedule

The screenshot shows the California ISO Developer portal for the CMRI (Customer Market Results Interface). The page includes a navigation menu with 'Apps', 'Resources', and 'Contact'. The main content area features an 'Overview' section with a description of the interface, a 'Resources' sidebar with links to documentation, screenshots, error codes, connectivity tests, and FAQs, and a 'Web Services Environments' section. This section lists 'Production' and 'MAP Stage' environments with their respective URLs and IP whitelists. Below this is a 'View UI Environments' button. The 'Services' section includes a search bar and a table of services with columns for Service, Version, Release, and Last Updated.

Service	Version	Release	Last Updated
RetrieveCMRiInterTieResourceTransactionID_CMRIv1_AP	PROD_LATEST	Fall 2014	4/25/2014
RetrieveCMRiInterTieResourceTransactionID_CMRIv1_DocAttach_AP	PROD_LATEST	Fall 2014	4/25/2014
RetrieveConformedDispatchNotice_CMRIv1_AP	PROD_LATEST	Fall 2013	10/13/2013

# Login Page



California ISO



Developer

## Developer resources

Welcome to the ISO's new site for developers to interface with our technical systems and services. This site provides detailed descriptions of current and emerging Application Programming Interfaces (APIs), acceptable use, connectivity, sample code, and frequently asked questions.

[Sign up](#)

[Log in](#)

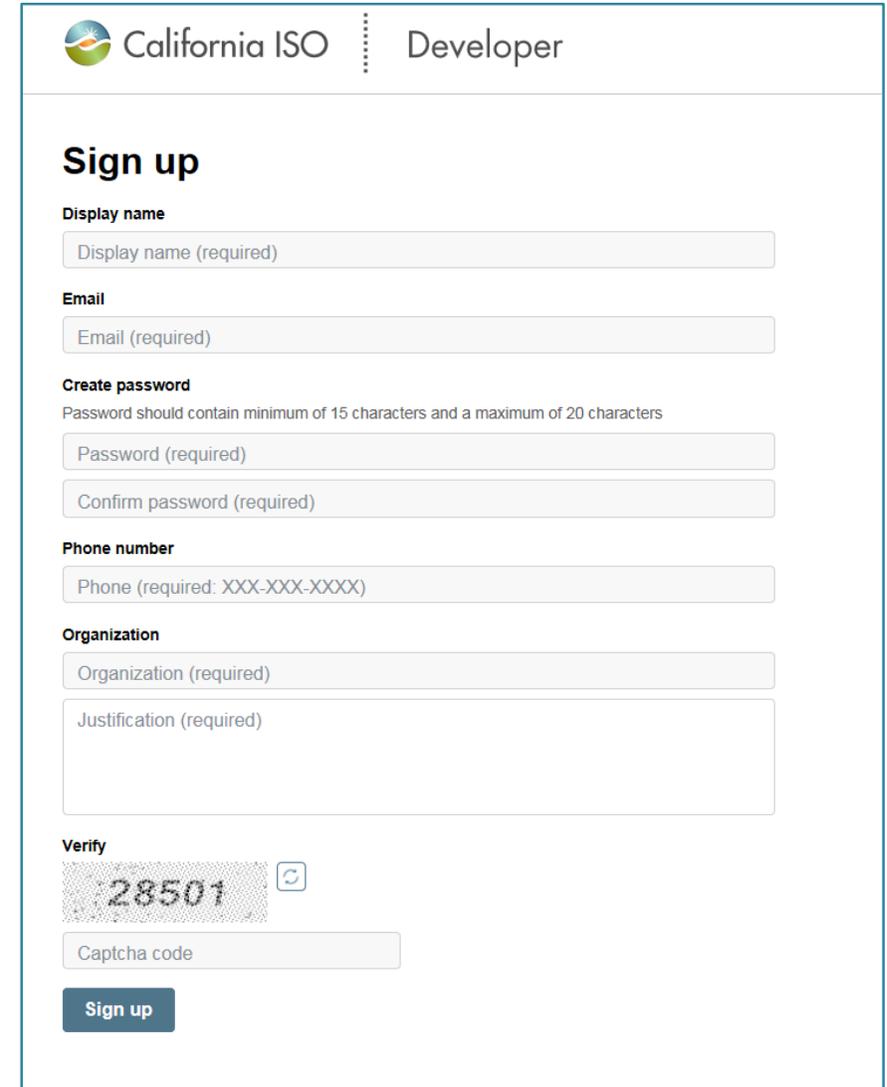
# New Collaboration Site

The new collaboration site requires registration  
ISO market applications are not available to  
anonymous users

The ISO does not want to make it easy for bad  
actors to access service artifacts

Simple user id + password authentication model  
(no certificate required)

- Access for existing Market Participants  
will be automatically approved without  
delay
- Non-participants who request access will  
be contacted by our Information Security  
department to determine need and use



The screenshot shows a web form for signing up as a Developer on the California ISO website. The form is titled "Sign up" and includes the following fields and sections:

- California ISO** logo and "Developer" role indicator.
- Sign up** heading.
- Display name** section with a text input field labeled "Display name (required)".
- Email** section with a text input field labeled "Email (required)".
- Create password** section with a note: "Password should contain minimum of 15 characters and a maximum of 20 characters". It includes two text input fields: "Password (required)" and "Confirm password (required)".
- Phone number** section with a text input field labeled "Phone (required: XXX-XXX-XXXX)".
- Organization** section with a text input field labeled "Organization (required)" and a larger text area labeled "Justification (required)".
- Verify** section featuring a CAPTCHA image showing the number "28501" and a "Verify" button.
- A "Sign up" button at the bottom.

## New Collaboration Site

The new collaboration site is intended to be dynamic so that new information and FAQs can quickly be conveyed to developers

Content curation is a time-consuming process; the ISO delivers this 1.0 product now to provide immediate value and will continually improve the site

Discussion Board to be added

The ISO will add sample code and other features to help developers produce running code more quickly

# Next TUG: February 20

Please send agenda items or questions to Thomas Williams –  
[twilliams@caiso.com](mailto:twilliams@caiso.com)

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## Stay connected



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