



**WEBREGISTRY
PSE QUICK START v1.1**

NORTH AMERICAN ENERGY STANDARDS BOARD

MARCH 2012

PROPRIETARY AND CONFIDENTIAL

TRADE SECRET

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1. Introduction

Open Access Technology International, Inc. (OATI) webRegistry will serve as the central repository for information required to support commercial, scheduling, and transmission management operations in North America. OATI webRegistry is a web-based system that allows industry participants to register and maintain company information used in business operations. In addition, companies can register new data and modify existing data that are used in transmission and scheduling procedures.

The North American Energy Standards Board (NAESB) has provided the requirements for OATI webRegistry.

OATI has developed the webRegistry software system to perform NAESB Electric Industry Registry functions. Beyond the software development and maintenance, OATI is also responsible for the webRegistry system administration functions.

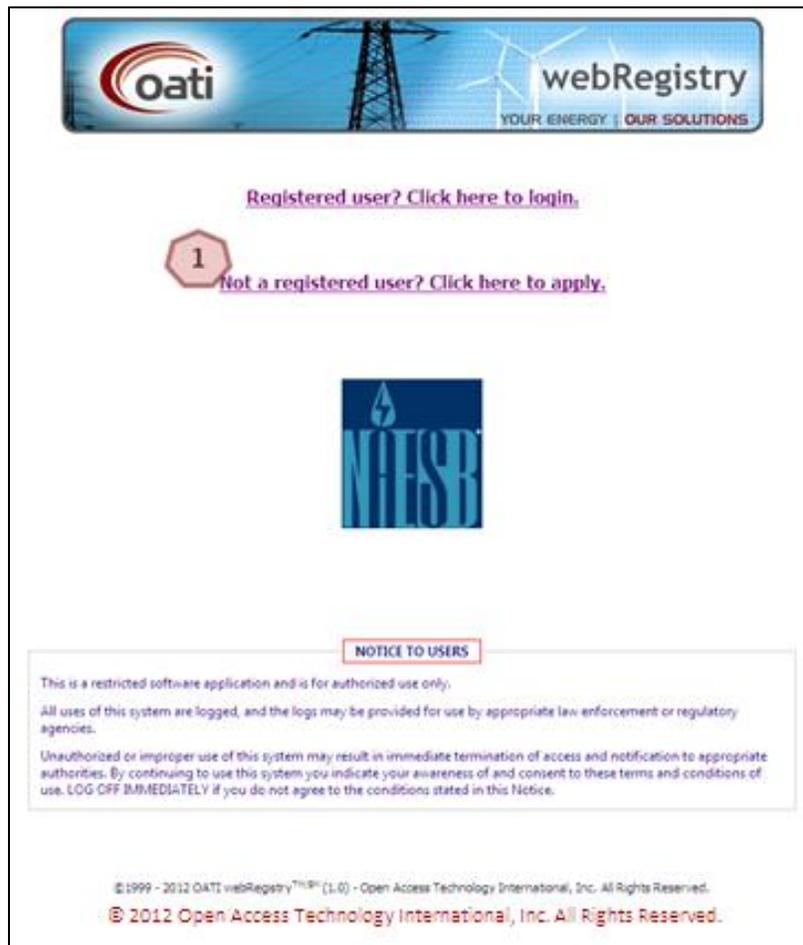
This document is intended to assist the roles of Purchasing-Selling Entity (PSE), Load Serving Entity (LSE), and Generation Serving Entity (GSE) in how to use webRegistry.

For more information about the application process, please see the “Application Quick Start Guide,” available where documentation is available. If an application has not been completed, please see the “Application Quick Start Guide.” Once an application has been submitted and approved, please reference this document.

For additional training, please contact support@oati.net.

2. Applying for webRegistry Access

To apply for webRegistry access, go to www.naesbwry.oati.com. The following screen will open.



1 Click on the “Not a registered user? Click here to apply.” link. The Application for Registration will open.

The screenshot shows a web form titled "Application for Registration" with a dark blue header. The form is divided into several sections: "Entity Details", "Applicant Details", and "Manager Details". Each section contains various input fields, some marked with an asterisk to indicate they are required. Below these sections are "Applicant's Purpose" and "Terms and Conditions" sections, followed by a checkbox for accepting terms and a "Submit Application" button. Red callout boxes with numbers 1 through 8 point to specific fields: 1 (Entity Details), 2 (Applicant Details), 3 (Manager Details), 4 (Applicant's Purpose), 5 (Terms and Conditions), 6 (checkbox), 7 (Print Terms and Conditions), and 8 (Submit Application). A copyright notice is visible at the bottom of the form area.

1 **Enter Entity Details.** Information with an asterisk (*) is required. Enter information about your company, including the long name, the Registered Entity Code, and address. If you do not know your Registered Entity Code, but have previously registered with the NERC TSIN Registry, visit <http://reg.tsin.com/query/default.asp> and search for your company's name. Note: Selecting "Starts With" under Advanced Search options will ease your search.

2 **Enter Applicant's Details.** Enter details about the person completing this application. This will be the person who is using OATI webRegistry, and entering information in the system. The "User Name" field will become the User Name when they are approved to access the system.

3 **Enter Manager's Details.** Enter information of the applicant's manager.

4 **Enter the Applicant's Purpose.** This is not a required field. To complete this field, however, enter the company or applicant's reason for applying to the webRegistry. This information will assist NAESB in reviewing the application.

5 **Terms and Conditions.** Terms and conditions must be reviewed and accepted in order to submit your application.

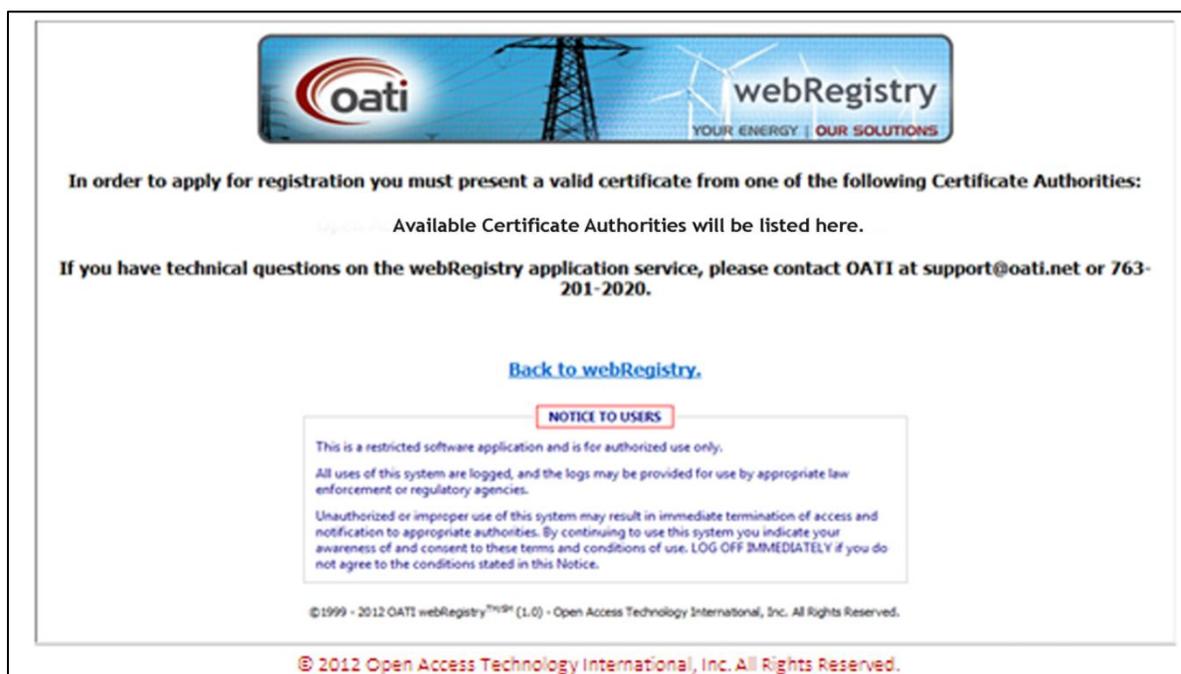
6 Click in this box to accept the terms and conditions.

7 Click on the “Print Terms and Conditions” button to print the terms and conditions for review, if desired.

8 Click on the “Submit Application” button to submit your application. The application will be sent to NAESB and be pending NAESB approval.

Please remember:

- An asterisk (*) means the field is required. Applications cannot be submitted with information missing from fields that are indicated with an asterisk (*).
- Applications will not be able to be submitted until the “I accept the terms and conditions stated above” box is checked. Once this box is checked, the “Submit Application” button will be able to be clicked.
- Once an application is submitted, NAESB will need to approve it before further registration of data can take place.
- If you do not have a valid Digital Certificate, the following page will display.



The screenshot displays the OATI webRegistry interface. At the top, there is a banner with the OATI logo on the left and the text 'webRegistry YOUR ENERGY OUR SOLUTIONS' on the right, set against a background of a power line tower and wind turbines. Below the banner, the text reads: 'In order to apply for registration you must present a valid certificate from one of the following Certificate Authorities:'. A link is provided: 'Available Certificate Authorities will be listed here.' Below this, it says: 'If you have technical questions on the webRegistry application service, please contact OATI at support@oati.net or 763-201-2020.' A blue link 'Back to webRegistry.' is centered. A red-bordered box titled 'NOTICE TO USERS' contains the following text: 'This is a restricted software application and is for authorized use only. All uses of this system are logged, and the logs may be provided for use by appropriate law enforcement or regulatory agencies. Unauthorized or improper use of this system may result in immediate termination of access and notification to appropriate authorities. By continuing to use this system you indicate your awareness of and consent to these terms and conditions of use. LOG OFF IMMEDIATELY if you do not agree to the conditions stated in this Notice.' At the bottom of the page, there is a copyright notice: '© 1999 - 2012 OATI webRegistry™ (1.0) - Open Access Technology International, Inc. All Rights Reserved.' and a footer: '© 2012 Open Access Technology International, Inc. All Rights Reserved.'

3. Initial Registration of a PSE

Once an application has been approved, the user will receive two emails. One email will have the User Name and a hyperlink to webRegistry. The other email will contain the initial temporary password to log into the system.

Upon first login to the webRegistry using the initial password, the user will be prompted to change the password. Instructions on updating a password will appear on the display and can be found in the Administration portion of this training document on page 30.

Once the user changes their password, the Registration Steps page will open.

Thank you for applying for webRegistry services. Please complete and submit your registration by following the below steps.

Step	Description
1	Open the Entity Registration from the Entities menu option
2	Complete the Entity Registration form and verify the information is correct.
3	At least one code-role must be registered. Click on the Add Entity Code-Role button.
4	The Entity Code-Role Registration display will open.
5	Complete the Entity Code-Role Registration form.
6	Submit the Entity Code-Role Registration form by clicking on the Enter button.
7	Confirm the prompt to continue.
8	The Entity Registration form will now have an associated Entity Code (Role).
9	Click on the Modify button to submit the registration for approval.
10	Your entity registration has now been submitted to the North American Energy Standards Board for review.

02/13/2012 14:26:55 EPT Page 1 of 1 Records 1-10 of 10

Warning: Your application for registration has not been submitted to the North American Energy Standards Board because it is incomplete.

Please direct all questions pertaining to approval to the North American Energy Standards Board at the following:
Phone: 713-356-0060
Email: naesb@naesb.org

Please direct any technical issues to OATI Support:
Phone: 763-201-2020
Email: support@oati.net

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1

Navigate to Entities >> Entity Registration. The Entity Registration page will open.

1 Verify Entity information. Click on the “Everything” tab to display all information needed. Some of these fields will be populated with information provided in the user’s application. However, the user can modify or remove this information as needed.

2 Enter an identifier. This includes either the DUNS Number or GLN.

3 Verify the Entity’s location information.

4 Enter any affiliates, if applicable.

5 Verify contact information.

6 Click on the “Load from TSIN” button to load Entity information from the TSIN Registry. The system will search the TSIN database based on the Entity Code currently provided on the Entry page. Users will need to verify the information is correct.

7 Click on the “Add Entity Code-Role” button to add the Code-Role. Note: Registration of an Entity’s Code-Role is required for initial registration to proceed. The Entity Code-Role Registration page will open.

8 Submission of application is not permitted until the Entity's Role is registered in the system. Click "Add Entity Code-Role" to register this information in a new page.

The screenshot shows the 'OATI Entity Code-Role Registration' form. It contains several sections: 'Entity Information' with fields for NERC ID, Entity, Long Name, Entity Role Code, Entity Type, Reliability Region, and Effective Date; 'Legacy Attributes' with checkboxes for 0-IHMBAM, Market Operator, and Pseudo CA; 'Contacts' with a table listing contact details; and 'Applications' with a table listing application details. Red boxes and numbered callouts (1-11) highlight specific fields and buttons: 1 points to the Entity dropdown, 2 to the Entity Role dropdown, 3 to the Entity Role Code field, 4 to the Entity Type dropdown, 5 to the Reliability Region dropdown, 6 to the Effective Date field, 7 to the Contacts table, 8 to the Applications table, 9 to the 'Load From TSIN' button, 10 to the 'Esc' button, and 11 to the 'Close' button.

Type	User	Name	Phone	E-mail
24 Hour	TPCAdmin	Jane Doe	(763)201-2020	meredith.sobieck@oati.net

Application	Service	Load from ASP	URL
E-Tag	Tag Agent URL	OATI	https://tagging.oatiets.com/oati/

- 1 Verify Entity information in this section.
- 2 Select the Entity Role from the dropdown. Select PSE.
- 3 Enter the Entity Role Code in this field. This is a unique alpha numeric code that is generated by the user.
- 4 Enter the Entity Type in this field. Select all types that apply to this registration. The selection will impact available PSE selection when creating Source/Sink Points.
- 5 Select the Reliability Region to which the entity belongs from the dropdown.
- 6 By default, the Effective Start Date will be the date this form is completed. The Effective End Date will be 01/01/3000. Dates can be modified manually, or by using the calendar button.
- 7 Enter at least one contact. A 24-hour contact is required.

8 Select or enter service URL for a tagging or OASIS service if applicable. If the Application Service Provider (ASP) is registered in webRegistry, the user can select the ASP from the “Load from ASP” dropdown to load the URL.

If an ASP is not desired, all fields of this section of the form should read “Select if Applicable” or remain blank.

9 Click on the “Load from TSIN” button to load Entity Code-Role data from the TSIN Registry. The system will search the TSIN database based on the Entity Code-Role and the Entity Type provided on the Entry page. Information will need to be verified for accuracy before it can be loaded into webRegistry.

10 Click on the “Enter” button to submit the Code-Role. Upon the user confirming the submittal, the user is returned to the Entity Registration Page.

11 Click the “Close” button to close the display. The new Entity Code-Role will not be saved or created.

Please remember: The earliest Effective Date a Role can have is the date registration is being performed. If registering today, entering a date earlier than today’s date will result in a validation error.

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1 Once information is verified, click on the “Submit” button. Click “OK” to confirm the submission and the information will then be sent for approvals.

The user will receive email notification once the registration has been approved by NAESB and/or the North American Electric Reliability Corporation (NERC).

Note: Upon next log in to webRegistry, the user will be prompted to make the initial payment.

Thank you for applying for webRegistry services. Please complete and submit your registration by following the below steps.

Step	Description
✓ 1	Open the Entity Registration from the Entities menu option
✓ 2	Complete the Entity Registration form and verify the information is correct.
✓ 3	At least one code-role must be registered. Click on the Add Entity Code-Role button.
✓ 4	The Entity Code-Role Registration display will open.
✓ 5	Complete the Entity Code-Role Registration form.
✓ 6	Submit the Entity Code-Role Registration form by clicking on the Enter button.
✓ 7	Confirm the prompt to continue.
✓ 8	The Entity Registration form will now have an associated Entity Code (Role).
✓ 9	Click on the Submit button to submit the registration for approval.
✓ 10	Your entity registration has now been submitted to the North American Energy Standards Board for review.

02/20/2012 12:11:07 EPT Page 1 of 1 Records 1-10 of 10

You have submitted for approval your registration of Entity "TEAC" and the PSE Code-Role "TEAC".
You will be notified via email as soon as your registration is properly approved by NAESB and NERC. Thank you for your Registration.

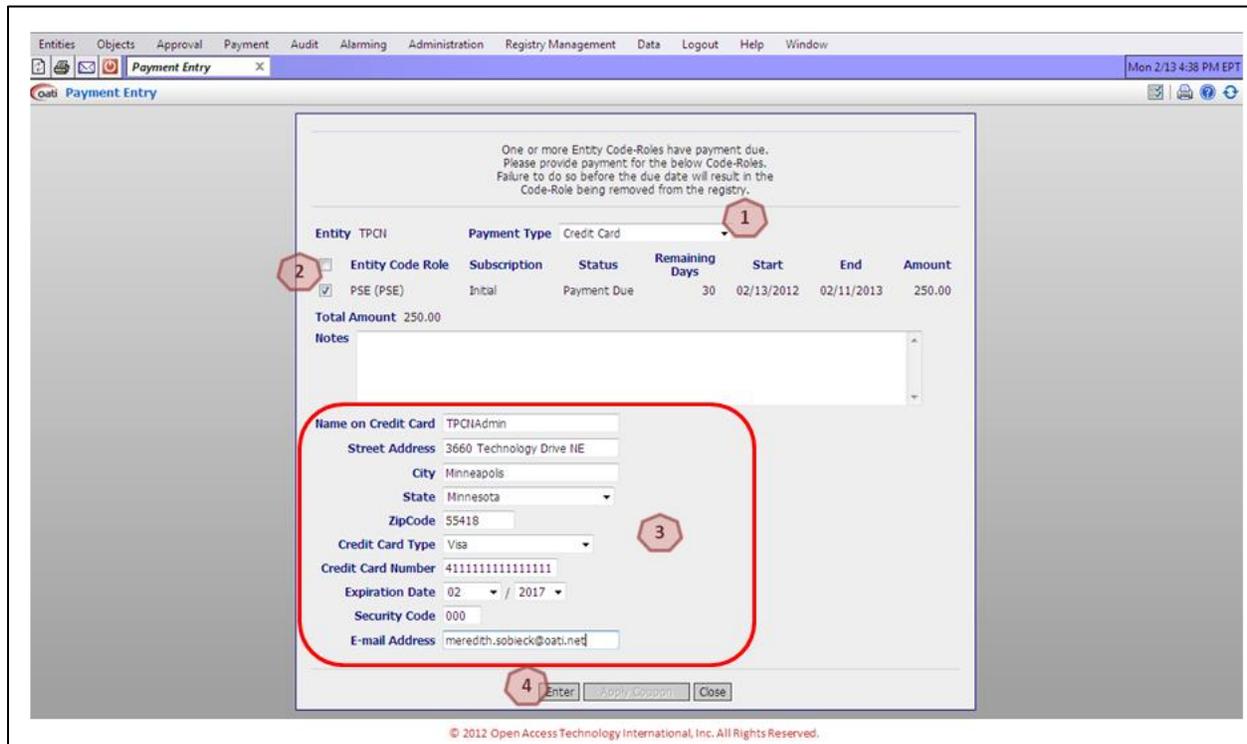
Please direct all questions pertaining to approval to the
North American Energy Standards Board at the following:
Phone: 713-356-0060
Email: naesb@naesb.org

Please direct any technical issues to OATI Support:
Phone: 763-201-2020
Email: support@oati.net

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1 Verify that steps 1-10 have been checked and log out of the system. The user will receive an email notice when initial registration has been approved.

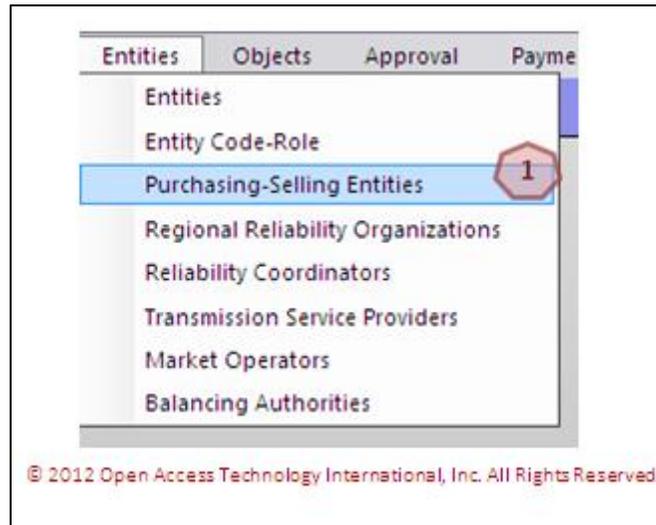
Upon login to webRegistry after the approval of initial registration information, the user will be presented with the following display in order to make payment on annual registration dues.



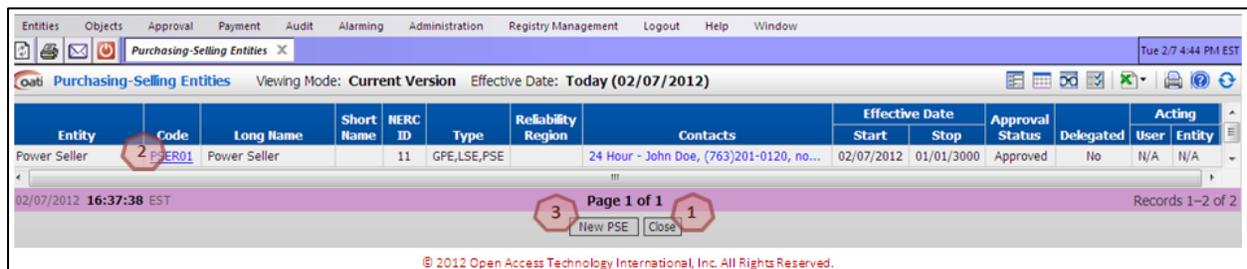
- 1 Select the payment type from the dropdown. In most cases, select Credit Card.
- 2 Click on the corresponding box of which payment you would like to make. Note: Annual dues are assessed on number of Code-Roles registered in the webRegistry system.
- 3 Enter the appropriate payment information in the corresponding fields.
- 4 Click on the “Enter” button to submit the payment. An email receipt will be sent to the email address provided.

4. Entering a New Entity Code-Role

Once an Entity has been registered and approved in webRegistry, an Entity may enter additional Code-Roles. This section will detail how to enter a new Code-Role. For this training, we will use a new Purchasing-Selling Entity.



1 To enter a new Purchasing-Selling Entity, navigate to Entities >> Purchasing-Selling Entities. The Purchasing-Selling Entities display will open. Information on this display includes the Entity Code and the Effective Start and Stop dates of the Code-Role.



1 Clicking on the “Close” button will close the display. No modifications will be made to the Code-Role.

2 Clicking on the link under the “Code” column will open the Entity Code-Role Entry page. Modifications to an Entity’s existing Code-Role can be made from this page.

3 To create a new Code-Role, in this case, a Purchasing-Selling Entity, click on the “New PSE” button. The Entity Code-Role Entry page will open.

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1 Information contained in this section is pre-populated based on registered information. However, information can be modified if needed.

2 Enter the Entity Role-Code in this field. The code must be unique.

3 Select the Entity Type from the dropdown. Entity types available for this Entity Code-Role are PSE, GPE, and LSE.

4 Select the Reliability Region to which the Entity Code-Role belongs from the dropdown.

5 By default, the Effective Start Date will be the date this form is completed. The Effective End Date will be 01/01/3000. Dates can be modified manually, or by using the calendar button.

6 Select the Contact Type from the first dropdown. Based on the user selection, subsequent fields in this section will be populated. Information provided in this section includes the name of the Contact, Phone Number, and E-mail address. A 24-hour contact is required.

7

Select or enter service URL for a tagging or OASIS service if applicable. If the Application Service Provider (ASP) is registered in webRegistry, the user can select the ASP from the “Load from ASP” dropdown to load the URL.

If an ASP is not desired, all fields of this section of the form should read “Select if Applicable” or remain blank.

8

Click the “Load from TSIN” button to load Entity Code-Role data from the TSIN Registry. The system will search the TSIN database based on the Entity Code-Role and Entity Type provided on the Entry page. Information will need to be verified for accuracy before it can be loaded into webRegistry.

9

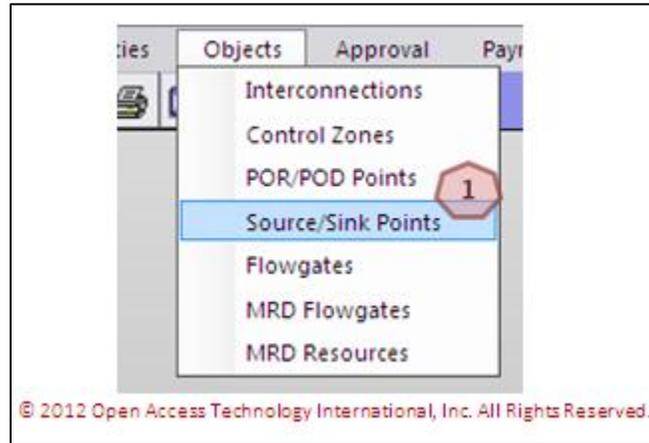
Click the “Enter” button to create and submit the new Entity Code-Role for approval.

10

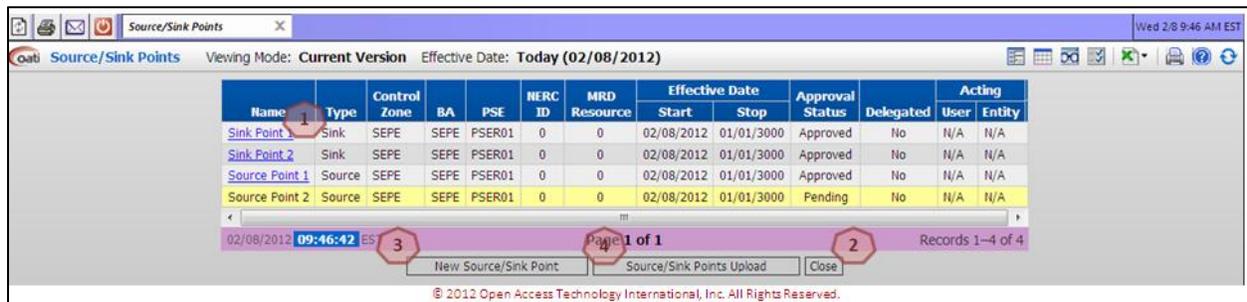
Click the “Close” button to close the display. The new Entity Code-Role will not be saved or created.

5. Source/Sink Points

Once an Entity-Code Role has been created and approved, a PSE/LSE/GSE may enter Source/Sink Points.



1 To find and enter a new Source or Sink Point, navigate to Objects >> Source/Sink Points.



1 Click on the link under the “Name” column to view details of the Source/Sink Point.

2 Click the “Close” button to close the display.

3 Click the “New Source/Sink Point” button to open the Source/Sink Point Entry page.

4 Click on the “Source/Sink Points Upload” button to open the Source/Sink Points Upload CSV display.

5.1 Entering a New Source/Sink Point

To enter a new Source/Sink Point, click on the “New Source/Sink Point” button on the Source/Sink Points display. The Source/Sink Point Entry page will open.

Coordinate with your Balancing Authority to ensure Source/Sink Points are not being dual-entered.

The screenshot shows a web form titled "Source/Sink Point Entry". The form contains the following fields and controls:

- Name:** Text input field containing "Power Seller Source Point 1" (callout 1).
- NERC ID:** Text input field containing "100018" (callout 2).
- Type:** Dropdown menu with "Source" selected (callout 3).
- PSE (GPE):** Dropdown menu with "SSPC" selected (callout 4).
- BA:** Dropdown menu with "QUSL" selected (callout 5).
- Control Zone:** Text input field containing "QUSL" (callout 6).
- MRD Resource ID:** Text input field containing "0000" (callout 7).
- Effective Date:** Two date input fields. The first contains "02/15/2012" and the second contains "01/01/3000". Both have calendar icons (callout 8).
- Buttons:** "Load From TSIN" (callout 9) and "Enter" (callout 10).
- Form Controls:** A question mark icon (callout 11) and a close (X) icon in the top right corner.

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- 1 Enter the name of the Source/Sink Point in this field.
- 2 The NERC ID will be populated based on the PSE.
- 3 Select the type of point from the dropdown.
- 4 Select the PSE from the dropdown.
- 5 Select the BA from the dropdown.
- 6 Select the Control Zone from the dropdown.
- 7 Enter the MRD Resource ID in this field, if applicable.
- 8 By default, the Effective Start Date will be the date this form is completed. The Effective End Date will be 01/01/3000. Dates can be modified manually, or by using the calendar button.

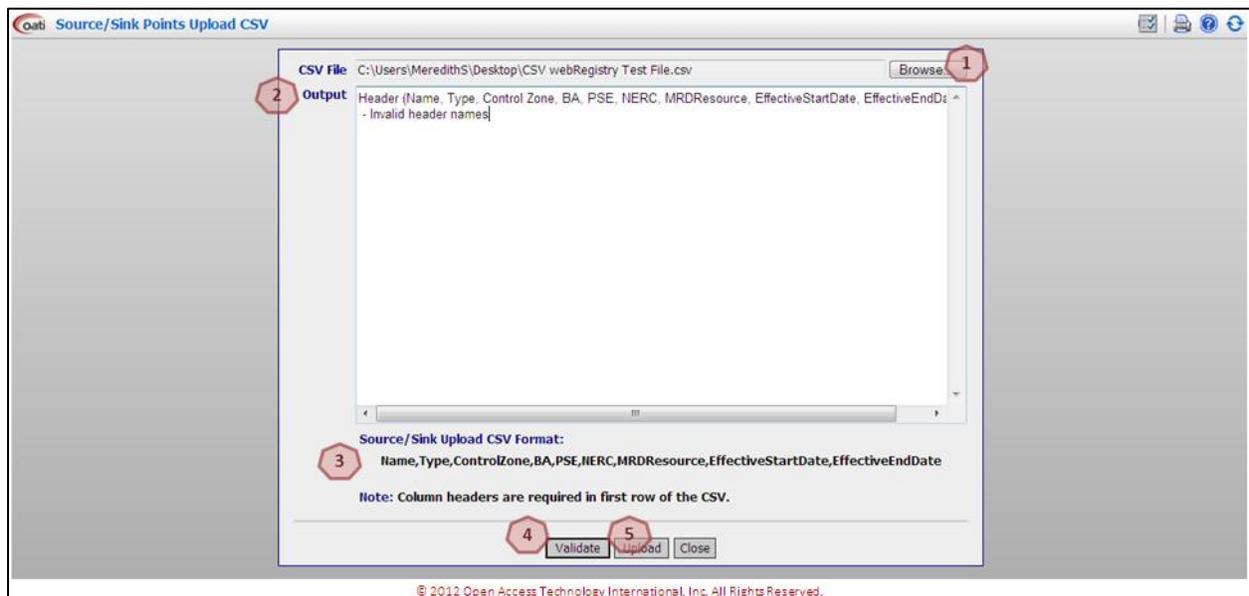
9 Click the “Load from TSIN” button to load information from the TSIN Registry. Information will need to be verified before it can be loaded into webRegistry.

10 Click the “Enter” button to create and save the Source/Sink Point. Source/Sink Points will need to be approved by the Balancing Authority for inclusion in webRegistry.

11 Click on the “X” to close the display. No Source/Sink Points will be created or saved.

5.2 Uploading Source/Sink Points from a CSV File

To upload Source/Sink Points from a CSV file, click on the “Source/Sink Points Upload” button. The Source/Sink Points Upload CSV page will open.



1 Click the “Browse” button to search for the appropriate CSV File.

2 The output of the CSV File will display in this field. If a file has any errors, the error messages will be displayed in this field.

3 This section displays the CSV Upload Format and displays the column headers to be used on the upload file.

4

Click the “Validate” button to validate the CSV file. If a file contains errors, the error messages will be displayed in the “Output” field.

5

Click the “Upload” button to upload the selected file.

6. Approvals

6.1 Approval History

Approval History displays the record of submittals and approvals in webRegistry. Information provided includes the timestamp of the submittal, timestamp of the approval, and if the submittal was approved or denied. Submittals that are approved will be highlighted in gray, while denied submittals are color-coded in red.



1 To view Approval History, navigate to Approval >> Approval History. The Approval History display will open.

Submittal							Value		Effective Date		Approval					
Timestamp	User	Entity	Object	Name	Event Type	Attribute	Old	New	Start	Stop	Object	Entity	User	Timestamp	Status	Notes
02/08/2012 09:39:25	PSERAdmin	PSER	Source/Sink	Source Point 1	New				02/08/2012	01/01/3000	PSE	PSER	PSERAdmin	02/08/2012 09:39:25	Approved	Appro.
02/08/2012 09:39:25	PSERAdmin	PSER	Source/Sink	Source Point 1	New				02/08/2012	01/01/3000	BA	SEPE	MeredithS	02/08/2012 09:41:24	Approved	
02/08/2012 09:39:55	PSERAdmin	PSER	Source/Sink	Sink Point 1	New				02/08/2012	01/01/3000	PSE	PSER	PSERAdmin	02/08/2012 09:39:55	Approved	Appro.
02/08/2012 09:39:55	PSERAdmin	PSER	Source/Sink	Sink Point 1	New				02/08/2012	01/01/3000	BA	SEPE	MeredithS	02/08/2012 09:41:30	Approved	
02/08/2012 09:40:18	PSERAdmin	PSER	Source/Sink	Sink Point 2	New				02/08/2012	01/01/3000	PSE	PSER	PSERAdmin	02/08/2012 09:40:18	Approved	Appro.
02/08/2012 09:40:18	PSERAdmin	PSER	Source/Sink	Sink Point 2	New				02/08/2012	01/01/3000	BA	SEPE	MeredithS	02/08/2012 09:41:34	Approved	
02/08/2012 09:40:41	PSERAdmin	PSER	Source/Sink	Source Point 2	New				02/08/2012	01/01/3000	PSE	PSER	PSERAdmin	02/08/2012 09:40:41	Approved	Appro.
02/08/2012 09:40:41	PSERAdmin	PSER	Source/Sink	Source Point 2	New				02/08/2012	01/01/3000	BA	SEPE			Pending	

1 Click the link under the “Name” column. Details about the object will display.

2 To view information about the approval, hover over the link under the “Notes” column. Information about the approval will display.

3 Click the “Close” button to close the display.

6.2 Pending Changes



1 To view pending changes, navigate to Approval >> Pending Changes. The Pending Changes display will open.

A screenshot of the 'Pending Changes' web application. The page title is 'Pending Changes' and the submittal timestamp is 'Today (02/08/2012)'. The page displays a table with columns for Submittal, Value, Effective Date, and Approval. The table contains three rows of data. A red circle with the number '1' is placed over the 'Name' column of the first row, which contains a link 'Source Fork'. A red circle with the number '2' is placed over the 'Close' button at the bottom of the page. The page footer includes the copyright notice: '© 2012 Open Access Technology International, Inc. All Rights Reserved.'

Submittal				Value		Effective Date		Approval										
Timestamp	User	Entity	Object	Name	Event Type	Attribute	Old	New	Start	Stop	Object	Entity	Contacts	Remaining Days	User	Timestamp	Status	Note
02/08/2012 09:40:41	PSERAdmin	PSER	Source/Sink	Source Fork	New				02/08/2012	01/01/3000	BA	SEPE	SEPE...	7			Pending	
02/08/2012 10:51:40	PSERAdmin	PSER	PSE	TEST01	New				02/09/2012	01/01/3000	NAESB			7			Pending	
02/08/2012 10:51:40	PSERAdmin	PSER	PSE	TEST01	New				02/09/2012	01/01/3000	ERO		NER...	7			Pending	

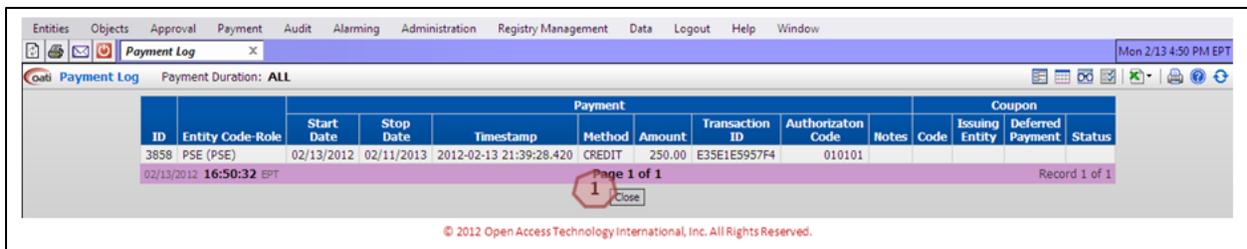
1 Click the link under the “Name” column. Details about the object will display.

2 Click on the “Close” button to close the display.

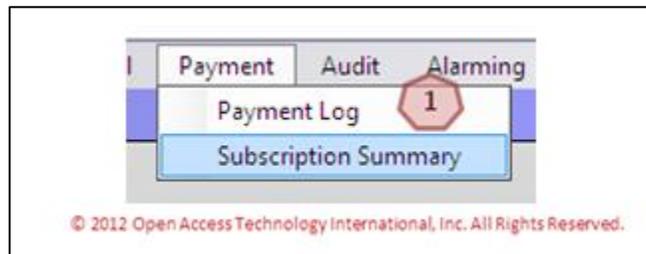
7. Payment



1 To view the Payment Log, navigate to Payment >> Payment Log. The Payment Log display will open.



1 Click on the “Close” button to close the display.

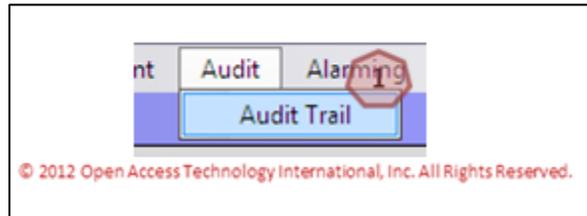


1 To view the Subscription Summary, navigate to Payment >> Subscription Summary. The Subscription Summary display will open.



1 Click on the “Close” button to close the display.

8. Audit Trail



1 To view the Audit Trail, navigate to Audit >> Audit Trail. The Audit Trail display will open.

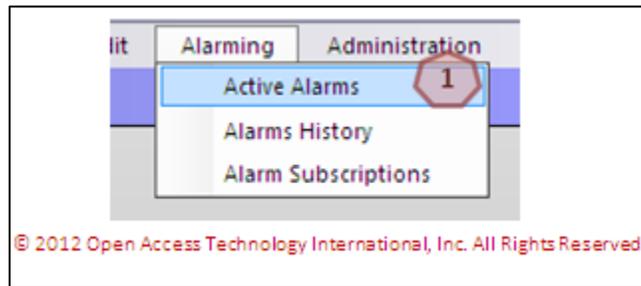


1 To view a selected record, click on the corresponding box to the record you wish to view. Click on the “View Selected Records” button to view the selected records in more detail.

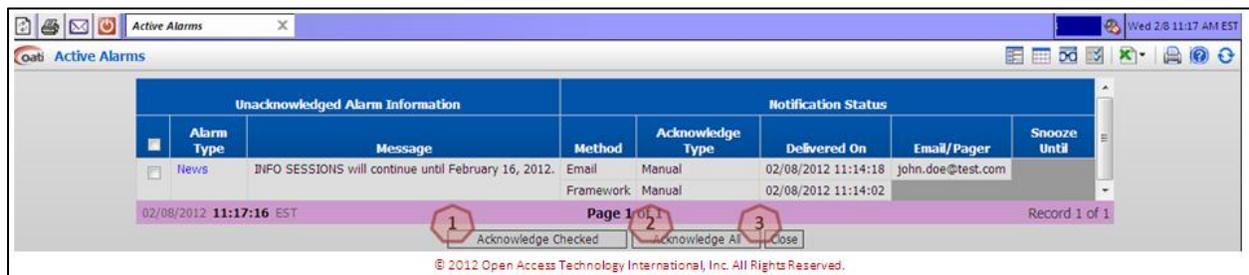
2 Click on the “Close” button to close the display.

9. Alarming

9.1 Active Alarms



1 To view Active Alarms, navigate to Alarming >> Active Alarms. The Active Alarms display will open.



1 Click the “Acknowledge Checked” button to acknowledge checked alarms. Click on the corresponding box to the left of the Alarm Type to check an alarm. A checked alarm will have a checkmark in the box.

2 Click on the “Acknowledge All” button to acknowledge all alarms. Alarms will not need to be checked when using this function.

3 Click the “Close” button to close the display. No alarms will be acknowledged.

9.2 Alarms History



1 To view Alarms History, navigate to Alarming >> Alarms History. The Alarms History display will open.



1 Click the “Close” button to close the display.

9.3 Alarm Subscriptions



1 To view Alarm Subscriptions, navigate to Alarming >> Alarm Subscriptions. The Alarm Subscriptions page will open.



1 Click on the link under the “Alarm Type” column. This will open the Alarm Subscription Entry page, where modifications can be made.

2 Click “Delete” to delete a selected Alarm Subscription. A selected Alarm Subscription will have a checkmark in the box. To select an Alarm Subscription, click on the box to the left of the Alarm Type.

3 Click the “Delete All” button to delete all Alarm Subscriptions.

4 Click on the “Close” button to close the display.

5 Click on the “New Subscription” button to create a new subscription. The Alarm Subscriptions Entry page will open.

The screenshot shows the 'oati Alarm Subscription Entry' window. It contains several sections: 'Alarm' with a dropdown menu set to 'Approval Action Needed' (callout 1); 'Description' with the text 'Approval Action Needed'; 'Delivery Selection' with a radio button for 'One time delivery only:' (callout 2), an 'Email' field with a checked checkbox and the value 'john.doe@test.com', and a 'Pager' field with an unchecked checkbox; 'Additional forms of delivery:' with a selected radio button for 'Alarming - Requires manual acknowledgement.', sub-sections for 'Instant Popup' (checked), 'Framework' (checked, 'Action Needed' selected, 'Indicator Text' entered), 'Envelope Tray' (unchecked), and 'Sound' (unchecked, 'Select a Sound' dropdown); and a radio button for 'Notification - Auto Acknowledged. Notification is delivered only once.' At the bottom are 'Enter' (callout 4), 'Delete', and 'Close' (callout 5) buttons. A copyright notice at the bottom reads: '© 2012 Open Access Technology International, Inc. All Rights Reserved.'

1 Select the alarm from the Alarm dropdown. Alarms include “Approval Action Needed” and “Object Expiration.”

2 Determine delivery selection for one-time delivery only. Select email or pager notification. To select the type of delivery, click in the corresponding box and enter the appropriate information in the field.

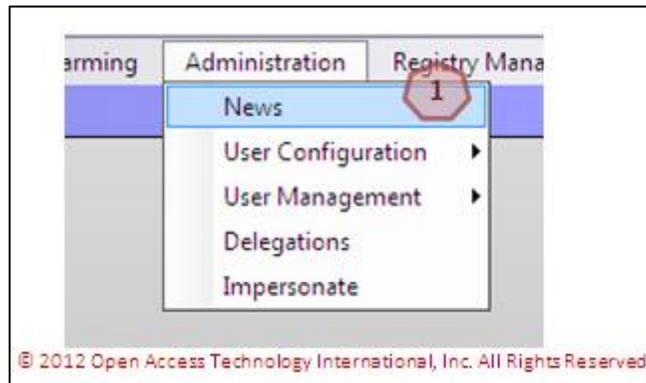
3 Determine additional forms of delivery. This includes the choice of manual or auto-acknowledgement of alarms, as well as the delivery. Delivery methods include sound and pop-up features.

4 Click the “Enter” button to create and save the Alarm Subscription.

5 Click the “Close” button to close the display. No subscriptions will be created or saved.

10. Administration

10.1 News

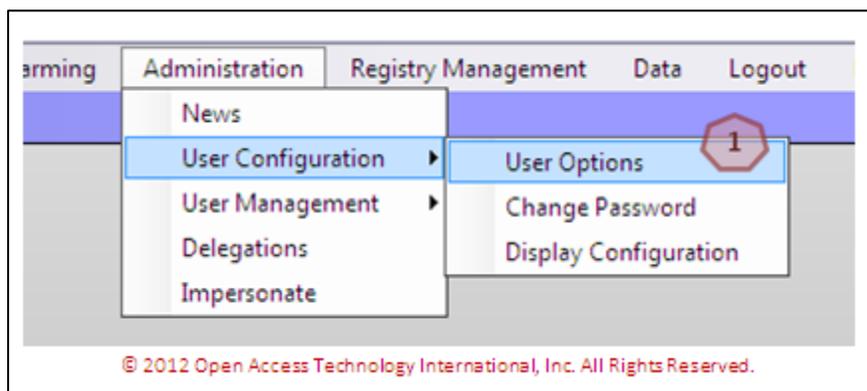


1 To view webRegistry news, navigate to Administration >> News. The News display will open.



1 Click the “Close” button to close the display.

10.2 User Options



1 To select User Options, navigate to Administration >> User Configuration >> User Options. The User Options page will open. These preferences will only change in this Users' account.

Company PSER
User Name PSERAdmin
Name Doe, John
Security Role Entity Admin
Phone (763) 201-2000
Email nong.lor@oati.net
Password Expire Date 08/05/2012 (in 179 day(s))
Page Size 30
TimeZone Eastern Standard Time (EST)
Menu Style Web
(Menus will expand automatically when cursor hovers over them)
 Application
(Menus will expand only when clicked on)
Default Reason for Change MP Request
Save Change Password Close

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- 1 Information in this section will be pre-populated based on User Account information.
- 2 Select the preferred Page Size. The default is 30, and is recommended for optimal load time. Page Size is the amount of data lines that are displayed on a Summary page.
- 3 Select the Time Zone from the dropdown. This field will control the clock on the upper-right hand corner of the application, as well as timestamps throughout the application.
- 4 Select a preferred Menu Style by clicking in the corresponding button. A Web menu style will allow menus to expand when a cursor hovers over the menu. An Application style will require the user to click on the menu to expand.
- 5 Select a “Default Reason for Change” from the dropdown. This will pre-populate a selected “Reason for Change” each time it is required in the system.
- 6 Click the “Save” button to save the configurations. A prompt will display.



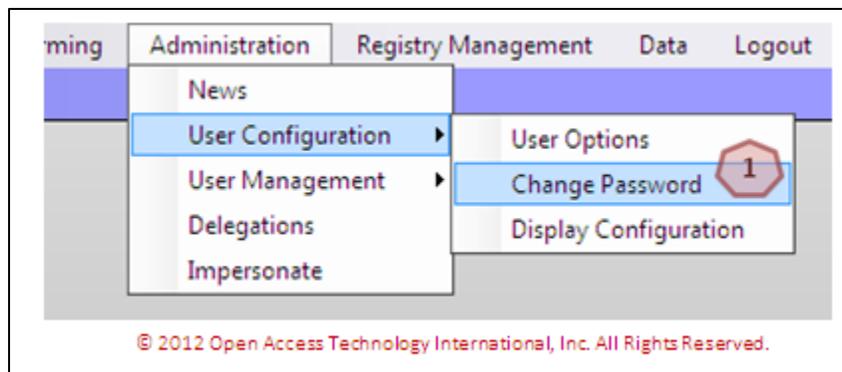
1 Click the “Save Only” button to save the configurations. Change will be available the next time the user logs in to webRegistry.

2 Click the “Save & Restart” button to save the configurations and be automatically logged out and logged back in to the system. Changes will be available immediately.

3 Click the “Cancel” button to cancel any changes. Changes will not take place.

7 Click the “Close” button to close the display. Changes will not be made or saved.

10.3 Changing a Password



1 To change a password, navigate to Administration >> User Configuration >> Change Password. The Change Password display will open.

PSERAdmin

1- Passwords will contain a minimum of 8 and a maximum of 30 characters.
2- Each password must contain three out of the four character types:
 Lower case letters: a-z
 Upper case letters: A-Z
 Numbers: 0-9
 Special characters: `~!@\$%^()_+~=[{};:;,/<>?
3- Blank spaces are not valid character type.
4- Do not use the following special characters:
 Quote, Double Quote, Pound, Star, Ampersand, BackSlash, Vertical Bar
5- Be advised that you may not reuse passwords for a period of one year (365 days).
6- Consecutive passwords may not be similar.
 Similarity is verified by the match of any case-insensitive consecutive 3-character substring
 in the new password with any case-insensitive consecutive 3-character substring in the previous password.
 For example:
 password abc123DEF\$%
 is similar to password ABC456def#*
 similar to xyz456ABC#*
 however dissimilar to xyz456pqr#*

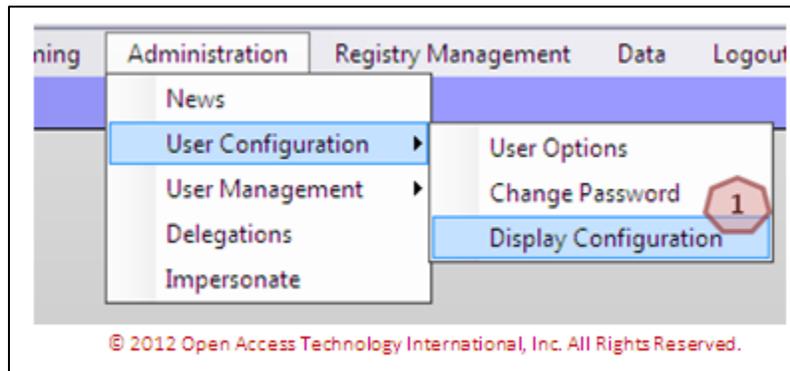
Enter old password 2
Enter new password 3
Retype new password 4

5 Submit 6 Cancel

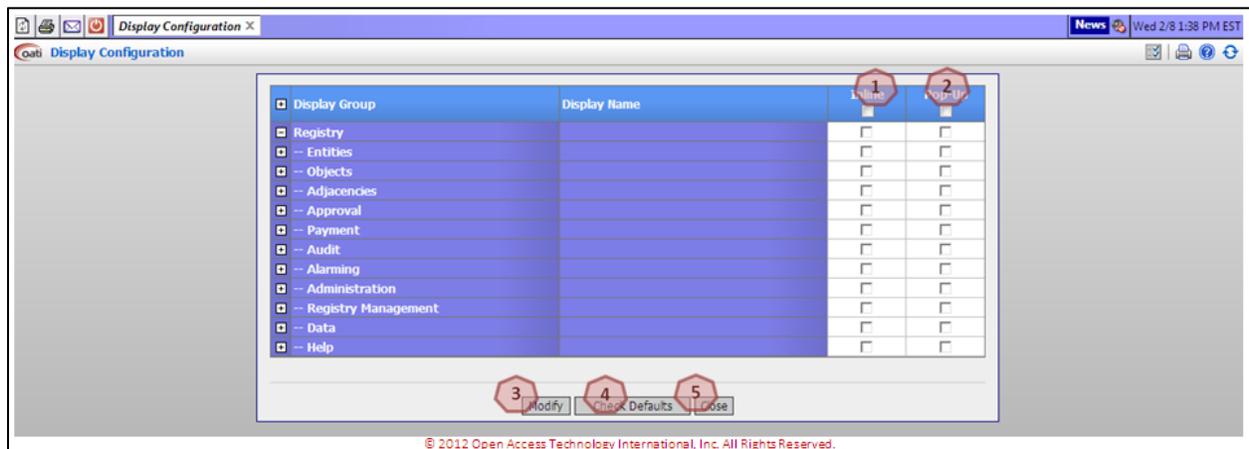
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- 1 Please review the password criteria for assistance with password changes.
- 2 Enter the old password in this field.
- 3 Enter the new password in this field.
- 4 Re-enter the new password in this field.
- 5 Click the “Submit” button to submit the new password.
- 6 Click the “Cancel” button to cancel the change. The password will not change.

10.4 Display Configurations



1 To configure display settings, navigate to Administration >> User Configuration >> Display Configuration. The Display Configuration page will open.



1 Select from the boxes in the “Inline” column to have the corresponding display view in a new tab.

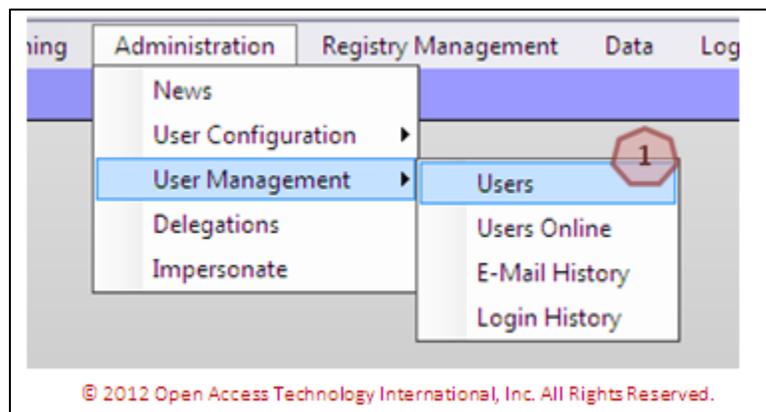
2 Select from the boxes in the “Pop-Up” column to have the corresponding display view in a separate window.

3 Click the “Modify” button to make and save the changes.



- 1 Click the “Save Only” button to save the configurations. Change will be available the next time the user logs in to webRegistry.
- 2 Click the “Save & Restart” button to save the configurations and be automatically logged out and logged back in to the system. Changes will be available immediately.
- 3 Click the “Cancel” button to cancel any changes. Changes will not take place.
- 4 Click the “Check Defaults” button to select the default configuration choices.
- 5 Click the “Close” button to close the display. Changes will not be saved.

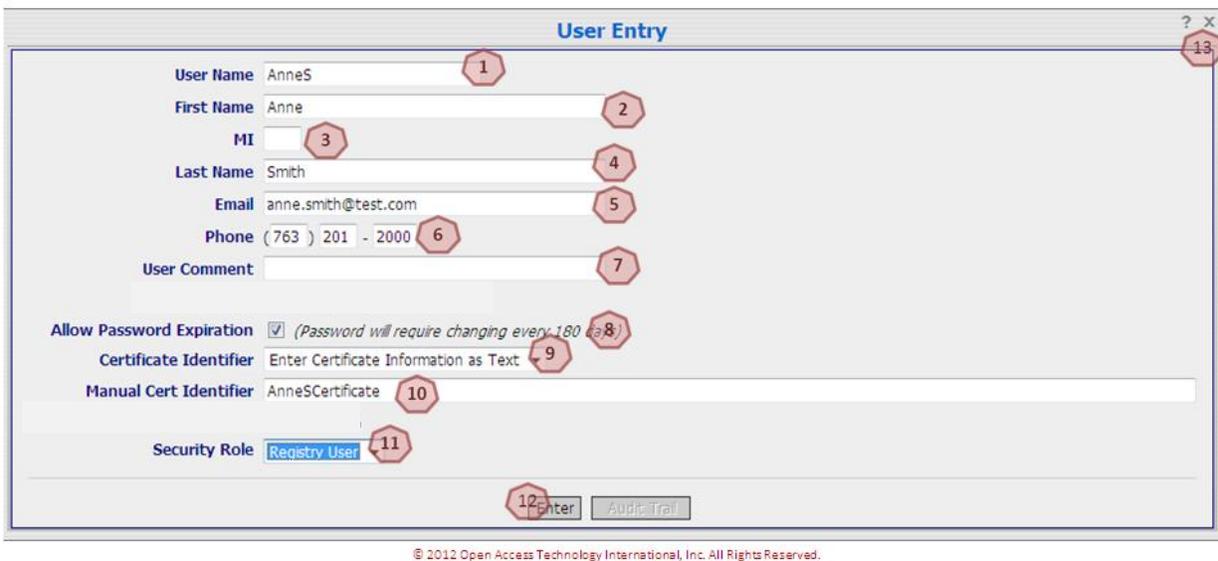
10.5 Creating a New User



- 1 To create new users, navigate to Administration >> User Management >> Users. The Users display will open.



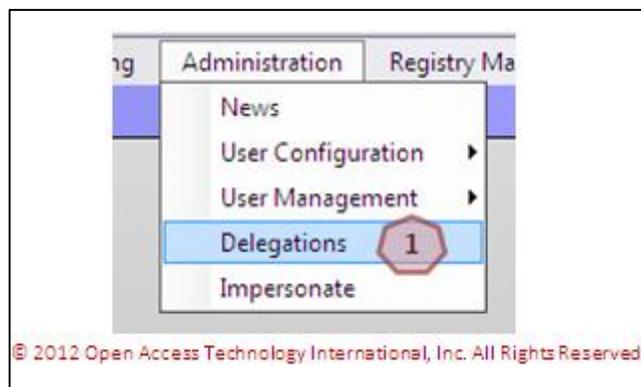
- 1 Click on the link under the "User Name" column to view details about the User. Administrator users can make modifications from this display.
- 2 Click on the "Close" button to close the display.
- 3 Click on the "New User" button to create a new user. The User Entry page will open. Only Administrator users can create additional users.



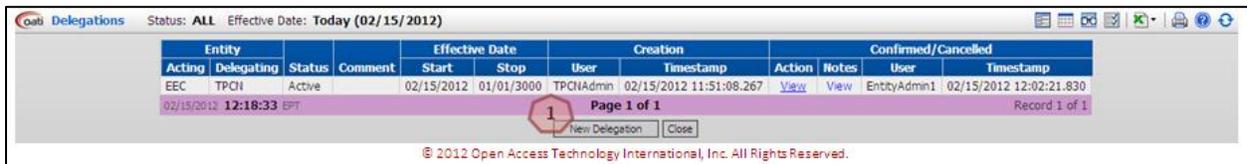
- 1 Enter the User Name in this field.
- 2 Enter the first name of the user in this field.
- 3 Enter the middle initial of the user in this field (optional).
- 4 Enter the last name of the user in this field.

- 5 Enter the email address of the user in this field.
- 6 Enter the phone number of the user in this field.
- 7 Enter a comment about the user in this field (optional).
- 8 By default, passwords will expire. A password that will expire will have a checkmark in the box.
- 9 Select the Digital Certificate of the user from the dropdown.
- 10 If a Digital Certificate needs to be entered manually, enter the Digital Certificate information in this field.
- 11 Select the Security Role of the user from the dropdown. Security Roles include Entity Administrator and Registry User. Available functionality in webRegistry will be dependent on the Security Role of the user. An Entity Administrator will have permission to create and edit data in the system. A Registry user has permission to view data, but cannot modify it.
- 12 Click the “Enter” button to create and save the new user.
- 13 Click the “X” to close the display. Changes will not be saved and the user will not be created.

10.6 Delegation



- 1 To specify a delegation, navigate to Administration >> Delegations. The Delegation display will open.

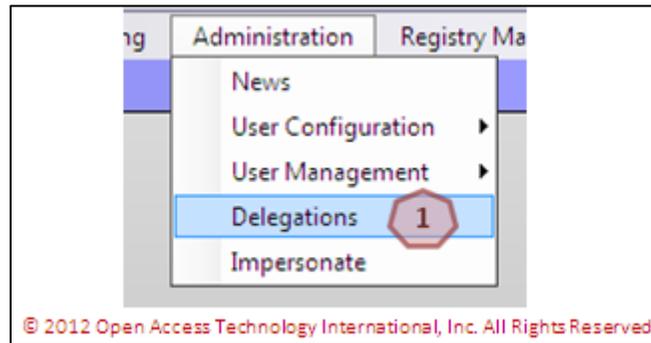


- 1 Click on the “New Delegation” button. The Delegation Entry page will open.



- 1 The Delegating Entity will be pre-populated with the user’s Entity name.
- 2 Select the company to delegate data management authority to from the Acting Entity dropdown.
- 3 Enter a comment about the delegation in this field.
- 4 By default, the Effective Start Date will be the date the form is completed. The default Effective End Date will be 01/01/3000. Dates can be modified manually, or by using the calendar button.
- 5 Click the “Enter” button to create and save the delegation.

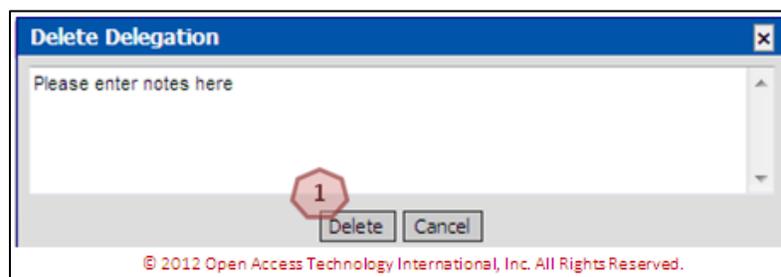
- 6 Click the “X” to close the display. The Delegation will not be created or saved.



- 1 To remove or confirm a delegation, navigate to Administration >> Delegations. The Delegations Summary page will open.



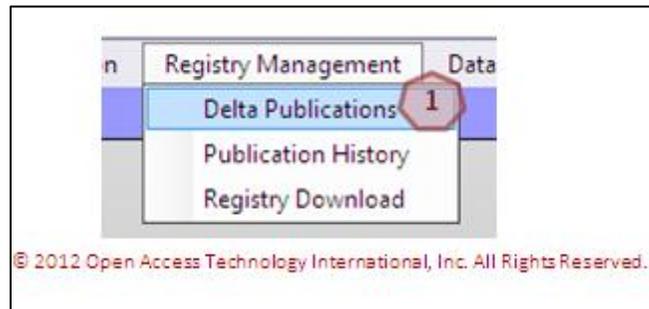
- 1 Click on the “View” link under the “Action” column to take action on the delegation. The Confirm Delegation or Delete Delegation display will open depending on the available action.



- 1 Click on the “Delete” button to end the delegation. The “Confirm” button and “Deny” button will be available depending on the available action. Clicking the “Confirm” button will accept the delegation responsibilities. Clicking the “Deny” button will reject the delegation request.

11. Registry Management

11.1 Delta Publications



1 To access the Registry Delta Publication, navigate to Registry Management >> Delta Publications. The Delta Publications display will open.

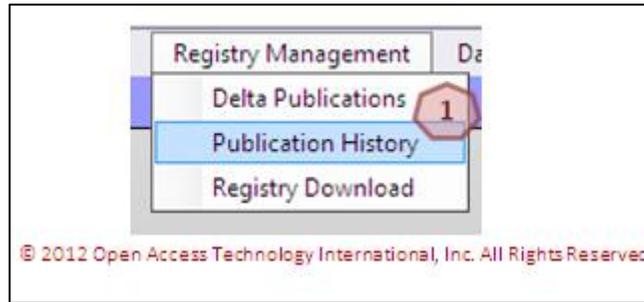
The screenshot shows the 'Delta Publications' web application interface. The browser title bar says 'Delta Publications'. The main content area displays a table with columns: Object, Name, Changes, Attribute, Value (Old, New), and Publication (Changed, Original). The table lists various objects and their changes, such as 'BA SEPE Added', 'Entity NAESB Modified', etc. At the bottom of the table, it says 'Page 1 of 1' and 'Records 1-25 of 25'. A red circle with the number '1' is placed over the 'Close' button at the bottom center of the table area. Below the table is a copyright notice: '© 2012 Open Access Technology International, Inc. All Rights Reserved.'

Object	Name	Changes	Attribute	Value		Publication	
				Old	New	Changed	Original
BA	SEPE	Added				154_20120208_U	147_20120206_S
BA	SPC	Added				154_20120208_U	147_20120206_S
Control Zone	BPAT	Added				154_20120208_U	147_20120206_S
Control Zone	SEPE	Added				154_20120208_U	147_20120206_S
Control Zone	SPC	Added				154_20120208_U	147_20120206_S
Entity	EXRU	Added				154_20120208_U	147_20120206_S
Entity	NAESB	Modified	NERC ID	1111	100000	154_20120208_U	147_20120206_S
		Modified	Record ID		100001	154_20120208_U	147_20120206_S
Entity	HOLJ	Added				154_20120208_U	147_20120206_S
Entity	OATI	Modified	NERC ID		583	154_20120208_U	147_20120206_S
		Modified	Record ID		100000	154_20120208_U	147_20120206_S
Entity	PSEB	Added				154_20120208_U	147_20120206_S
Entity	SEPE	Added				154_20120208_U	147_20120206_S
POR/POD	BDPS	Added				154_20120208_U	147_20120206_S
POR/POD	CCHS	Added				154_20120208_U	147_20120206_S
POR/POD	JFHS	Added				154_20120208_U	147_20120206_S
POR/POD	MH.115	Added				154_20120208_U	147_20120206_S
POR/POD	MH.230	Added				154_20120208_U	147_20120206_S
POR/POD	PPQA	Added				154_20120208_U	147_20120206_S
POR/POD	WAUE	Added				154_20120208_U	147_20120206_S
PSE	PSEB01	Added				154_20120208_U	147_20120206_S
Source/Sink	Sink Point 1	Added				154_20120208_U	147_20120206_S
Source/Sink	Sink Point 2	Added				154_20120208_U	147_20120206_S
Source/Sink	Source Point 1	Added				154_20120208_U	147_20120206_S
TSP	EXRU	Added				154_20120208_U	147_20120206_S
TSP	HOL3	Added				154_20120208_U	147_20120206_S
TSP	SPC	Added				154_20120208_U	147_20120206_S

1 Click the “Close” button to close the display.

2 Click on the Changed Publication Field to review comparisons of different reports.

11.2 Publication History



1 To access the Publication History, navigate to Registry Management >> Publication History. The Publication History page will display.

A screenshot of the 'Publication History' page in a web browser. The page title is 'Publication History' and the effective date is set to 'ALL'. The table below lists publication records with columns for ID, Code, Effective Date, Method, Version, Notes, Changes, User, Timestamp, Published, and File Format (MDB, CSV, XML). A red circle with the number '1' is over the 'Changes' column, and another red circle with the number '2' is over the 'View' link in the File Format column. At the bottom, a red circle with the number '3' is over the 'Close' button. The page shows 'Page 1 of 1' and 'Records 1-9 of 9'. A copyright notice is at the bottom: '© 2012 Open Access Technology International, Inc. All Rights Reserved.'

ID	Code	Effective Date	Method	Version	Notes	Changes	User	Timestamp	Published	MDB	CSV	XML
146	146_20120206_U	02/06/2012	Unscheduled	ARCHIVE		Changes	DaniePS	02/06/2012 11:56:22	Yes	View	View	View
147	147_20120206_S	02/06/2012	Scheduled	ACTIVE		Changes	System	02/07/2012 00:00:02	Yes	View	View	View
148	148_20120207_S	02/07/2012	Scheduled	ARCHIVE		Changes	System	02/07/2012 00:00:03	Yes	View	View	View
149	149_20120208_S	02/08/2012	Scheduled	ARCHIVE		Changes	System	02/08/2012 00:00:02	Yes	View	View	View
150	150_20120208_U	02/08/2012	Unscheduled	ARCHIVE	View	Changes	NongL	02/08/2012 14:39:00	Yes	View	View	View
151	151_20120208_U	02/08/2012	Unscheduled	ARCHIVE		Changes	DaniePS	02/08/2012 15:08:22	Yes	View	View	View
152	152_20120208_U	02/08/2012	Unscheduled	ARCHIVE	View	Changes	NongL	02/08/2012 15:18:15	Yes	View	View	View
153	153_20120208_U	02/08/2012	Unscheduled	ARCHIVE		Changes	DaniePS	02/08/2012 15:19:06	Yes	View	View	View
154	154_20120208_U	02/08/2012	Unscheduled	ACTIVE		Changes	DaniePS	02/08/2012 15:38:19	Yes	View	View	View

1 Hover over links in the “Notes” column, or click the link under the “Changes” column to view more information about the webRegistry Publication.

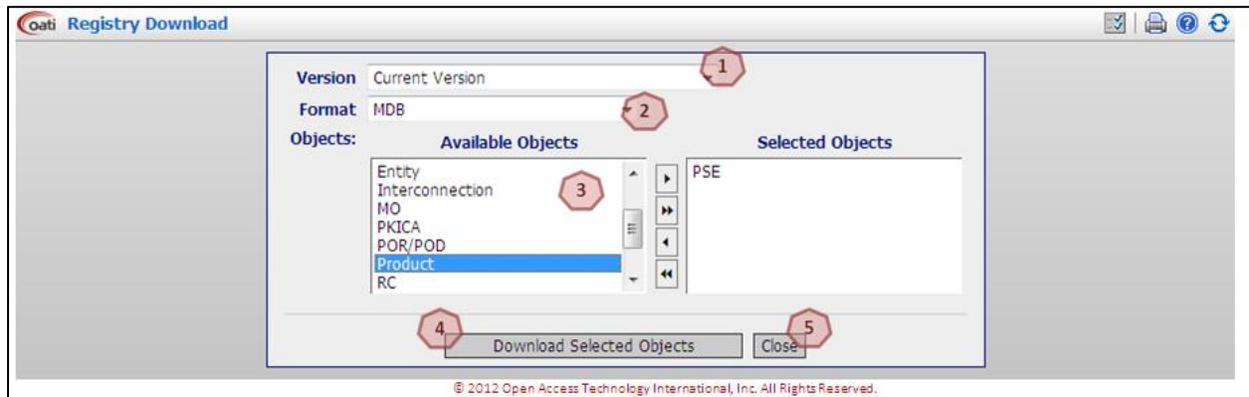
2 Click on the “View” link under the File Format columns to view the webRegistry Publication.

3 Click the “Close” button to close the display.

11.3 Registry Download



- 1 To download webRegistry Publications, navigate to Registry Management >> Registry Download. The Registry Download page will open.



- 1 Select the webRegistry Publication version from the dropdown.
- 2 Select the file format from the dropdown.
- 3 Select the Objects to include in the download. To select, either double-click on the object, or use the arrows.
- 4 Click the “Download Selected Objects” to begin the download.
- 5 Click on the “Close” button to close the display. No download will take place.

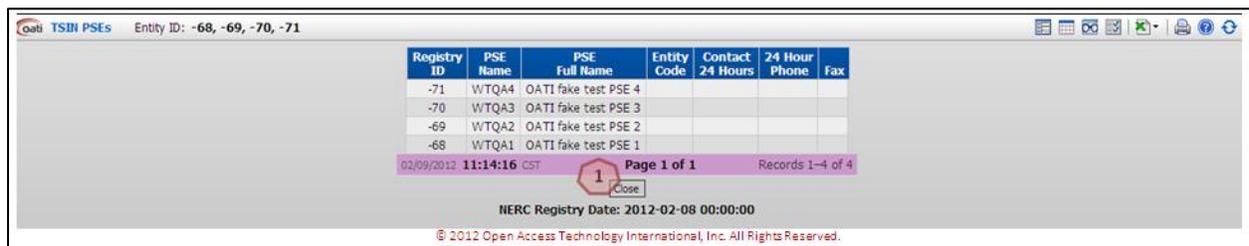
12. Data

Existing TSIN Data can be found in OATI webRegistry.

12.1 PSE Data

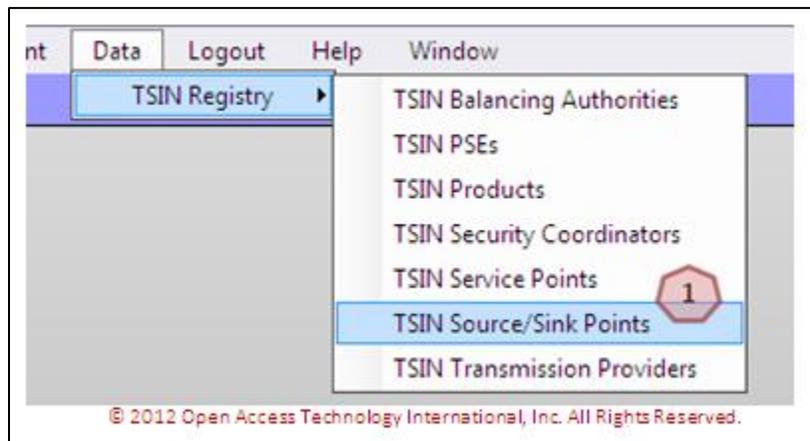


1 To view existing PSEs in the TSIN Registry, navigate to Data >> TSIN Registry >> TSIN PSEs. The TSIN PSEs display will open.



1 TSIN Registry PSE data will display. Click the “Close” button to close the display.

12.2 Source/Sink Point Data



1 To view TSIN Registry data of Source/Sink Points, navigate to Data >> TSIN Registry >> TSIN Source/Sink Points. The TSIN Source/Sink Point display will open.

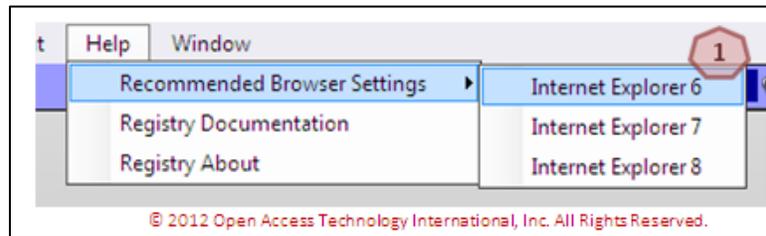


Registry ID	PSE Code	Source/Sink Point Name	Balancing Authority	Source Point	Sink Point
-5057	WTQA5	WTQA.Source5	WTQA	Yes	No
-5056	WTQA4	WTQA.Source4	WTQA	Yes	No
-5055	WTQA3	WTQA.Source3	WTQA	Yes	No
-5054	WTQA2	WTQA.Source2	WTQA	Yes	No
-5053	WTQA1	WTQA.Source1	WTQA	Yes	No
-5052	WTQA	WTQA.Source	WTQA	Yes	No
-5051	WTQA5	WTQA.Sink5	WTQA	No	Yes
-5050	WTQA4	WTQA.Sink4	WTQA	No	Yes
-5049	WTQA3	WTQA.Sink3	WTQA	No	Yes
-5048	WTQA2	WTQA.Sink2	WTQA	No	Yes
-5047	WTQA1	WTQA.Sink1	WTQA	No	Yes
-5046	WTQA	WTQA.Sink	WTQA	No	Yes
-5045	UPSE	UCA_Load	UCA	No	Yes
-5044	UPSE	UCA_Gen	UCA	Yes	No
-5043	TPSE	TCA_Load	TCA	No	Yes
-5042	TPSE	TCA_Gen	TCA	Yes	No
-5041	SPSE	SCA_Load	SCA	No	Yes
-5040	SPSE	SCA_Gen	SCA	Yes	No
-5039	RPSE	RCA_Load	RCA	No	Yes
-5038	RPSE	RCA_Gen	RCA	Yes	No
-5037	QPSE	QCA_Load	QCA	No	Yes
-5036	QPSE	QCA_Gen	QCA	Yes	No
-5035	QASW	QASW.SOURCE1	QASW	Yes	No
-5034	QANE	QANE.SINK1	QANE	No	Yes
-5033	QABA	QABA.Source1	QABA	Yes	No
-5032	QABA	QABA.Sink1	QABA	No	Yes
-5031	QABA	QABA.SYS	QABA	Yes	Yes
-5030	QABA	QABA.Load	QABA	No	Yes
-5029	QABA	QABA.IPP	QABA	Yes	Yes
-5028	PPSE	PCA_Load	PCA	No	Yes

1 TSIN Registry Source/Sink Point data will display. Click the “Close” button to close the display.

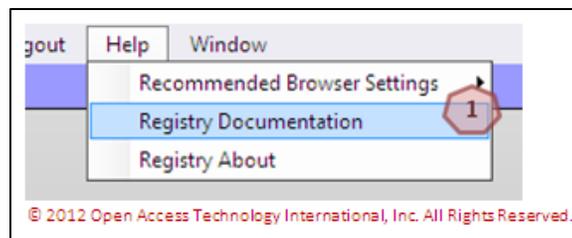
13. Help

13.1 Recommended Browser Settings



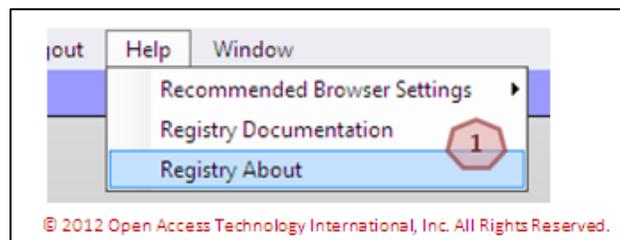
1 To find information on the recommended browser settings, navigate to Help >> Recommended Browser Settings >> selected IE. Documentation on how to best set up browser settings for that IE version will open.

13.2 Registry Documentation



1 To find Quick Start Guides, navigate to Help >> Registry Documentation. The webRegistry Documentation display will open. Documentation will be available for download from this page.

13.3 About



1 To view contact information, navigate to Help >> Registry About. Please contact support@oati.net with any questions.