



**NORTH AMERICAN ENERGY
STANDARDS BOARD**

NAESB EIR POWERED BY OATI WEBREGISTRY USER GUIDE v5.0

OCTOBER 2023

PROPRIETARY AND CONFIDENTIAL

The Smarter Future of Energy



OPEN ACCESS TECHNOLOGY INTERNATIONAL, INC.

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1. Introduction

The Electric Industry Registry (EIR) will serve as the central repository for information required to support commercial, scheduling, and transmission management operations in North America. The North American Energy Standards Board (NAESB) has provided the requirements for the EIR. Open Access Technology International, Inc. (OATI) has developed the webRegistry system to perform NAESB EIR functions. webRegistry is a web-based system that allows industry participants to register and maintain their company information used by industry participants in business operations. In addition, companies can register new data and modify existing data that are used in transmission and scheduling procedures.

This User Guide describes the functionality of the system and how to enter and maintain data.

2. Graphical User Interface

Diverse functions and buttons are available throughout the webRegistry system. The system also includes options such as filtering capabilities and Column Configuration.

2.1 Functional Buttons

Application Options:



Toolbars - Loads a custom menu format.



Hide/Show menu bar. Click this to hide/show the menu bar.



Menu orientation - Change the orientation of the menus from horizontal to vertical and vice versa.



Menu Refresh - Refresh the menu as sometimes user permissions change and a refresh is required.



Search Menu - Search for a display.



Layouts - Loads a customized user layout.



Help - Open the OATI webRegistry webHelp online documentation.



Alarms - Show active alarms.



Favorites - Store the user's favorited displays.

Connection Indicators - Show user's connection status.

	Signals a good connection
	Signals an intermittent connection.
	Signals that the connection has been lost



News Inbox - Open the latest news within the webRegistry system.



Email OATI Support - Open an email to OATI support.



Log out - Log out of the webRegistry system.

Summary Page Options:



Search - Use the search to search for a specific text within the summary table.



New - Use the new to open the entry display to create a new record for the current summary display.



Filtering Options - Use the filtering options to search for specific data to be displayed in the summary table.



Column Configuration - Use the column configuration to display or hide certain columns on summary pages and arrange the order of the columns.



Display View - Save specific filtering options and column configurations as a “View” that can be accessed at any time. Views may be named, renamed, or deleted as appropriate.



Options - Set individual settings for each display.



Export to Excel - Click on this icon to export the summary results to a .csv file type or an .xls file type, which can be used in Microsoft Excel® or another spreadsheet program. The .xls file type will retain formatting.



Refreshes the current display, keeping summary pages on the current page.

3. Entity Registration

Companies will need to register their Entity in webRegistry. A registering party will need to select an entity code. An entity code is a three or four alphanumeric characters unique identifier to identify a company in the registry. It will be beneficial to have certain information readily available when registering; the company's DUNS number and 24-hour contact information including phone number and email address. In addition, registering parties will need to know the role (e.g., PSE, BA, and TSP) they want to register for. Users will then need to select a separate three to six alphanumeric character identifier for the particular role to form a code role pair. Entities may register multiple code roles in the registry. Quick Start guides are available for role-specific registration. Please refer to the corresponding Quick Start Guide for a step-by-step walkthrough of the registration process.

3.1 Application for Registration

The first step in the registration process is filling out the application to register. When someone first visits the webRegistry system, they will view two links: "Registered user? Click here to login" and "Not a registered user? Click here to apply."



Electric Industry Registry

[Registered user? Click here to login.](#)

[Not a registered user? Click here to apply.](#)

Note: If you already have a digital certificate you will not need to obtain an additional digital certificate in order to access the NAESB EIR system.



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Registered Users can click on the first link and log into the system. Non-registered users can click on the second link and fill out the Application for Registration. The Application for Registration includes limited information about the Entity and Applicant User.



Electric Industry Registry

Application for Registration

Entity Details	Applicant Details	Manager Details
Long Name*	First Name*	First Name*
Entity Code*	Middle Initial*	Middle Initial*
Address 1*	Last Name*	Last Name*
Address 2*	Title*	Title*
City*	Email*	Email*
State/Province* Please select a state or province...	Phone*	Phone*
Zip Code*	User Name*	
Country* Please select a country...		

Applicant's Purpose * = required field

Please enter your reason for applying and any additional notes.

Terms and Conditions

Please read this document before you continue in NAESB EIR powered by webRegistry. Indicate acceptance by checking the "I accept the terms and conditions stated above" checkbox. By using the NAESB EIR services or accessing or using any of the Content available within NAESB EIR, you, and the organization that you, the user, and any company or business you are representing (collectively, "You" or "Your") agree to be bound by the

☐ I accept the terms and conditions stated above.

[Print Terms and Conditions](#)

[Submit Application](#)

In order to complete the registration process in the NAESB EIR, you will need to obtain a digital certificate from one of the following NAESB Authorized Certificate Authorities:

GMO GlobalSign Inc.	- http://www.globalsign.com/digital-certificates-for-naesb/
OATI webCARES Certificate Authority	- http://www.oaticerts.com/repository/
SSL.com	- https://www.ssl.com/certificates/personal-naesb-basic/buy

Note: If you already have a digital certificate you will not need to obtain an additional digital certificate in order to access the NAESB EIR.

If you have technical questions on the NAESB EIR application service, please contact the system administrator OATI at support@oati.net or 763-201-2020.

NAESB EIR powered by OATI webRegistry

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A digital certificate from a NAESB approved Certificate Authority (CA) is required to access the Application for Registration. If the user does not have a Digital Certificate, the user can reserve an entity code for 30 days allowing the user to then obtain a certificate from an approved CA.



Electric Industry Registry

Entity Code Reservation	
Entity Code	
Entity Name	
Email Address	
Submit Reservation	

In order to complete the registration process in the NAESB EIR, you will need to obtain a digital certificate from one of the following NAESB Authorized Certificate Authorities:

- | | |
|--|---|
| GMO GlobalSign Inc. | - http://www.globalsign.com/digital-certificates-for-naesb/ |
| OATI webCARES Certificate Authority | - http://www.oaticerts.com/repository/ |
| SSL.com | - https://www.ssl.com/certificates/personal-naesb-basic/buy |

Note: If you already have a digital certificate you will not need to obtain an additional digital certificate in order to access the NAESB EIR.

If you have technical questions on the NAESB EIR application service, please contact the system administrator OATI at support@oati.net or 763-201-2020.

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A digital certificate can be linked to one user account. If the certificate the user presented is already linked to a user account, a message will be displayed that the certificate has already been used in the system.



Electric Industry Registry

Another user is currently registered with the certificate you presented. Please use another valid certificate from one of the following NAESB Authorized Certificate Authorities:

- | | |
|--|---|
| GMO GlobalSign Inc. | - http://www.globalsign.com/digital-certificates-for-naesb/ |
| OATI webCARES Certificate Authority | - http://www.oaticerts.com/repository/ |
| SSL.com | - https://www.ssl.com/certificates/personal-naesb-basic/buy |

Note: If you already have a digital certificate you will not need to obtain an additional digital certificate in order to access the NAESB EIR.

If you have technical questions on the NAESB EIR application service, please contact the system administrator OATI at support@oati.net or 763-201-2020.

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3.2 Initial Registration

Once the Application for Registration is approved, the user will receive two emails containing their user credentials. The username will be the same as the username entered on the

Application for Registration. The user will be an “Applicant User” and will have limited access to webRegistry.

The Applicant User can log into the system with their login credentials and start filling out the Initial Registration. Initial Registration includes filling out the Entity Registration page and the Entity Code-Role page. Section 4 covers Entities and Entity Code-Roles in more detail.

Entity Registration

NERC ID: Entity Code: CARP Record ID: Entity Type: Please select one

Entity Name: CARP Entity URL: Entity Predecessor: Select if applicable

Effective Date: 09/20/2021 01/01/3000 Entity Code (Role):

Identifiers Locations Affiliates Contacts Everything

Identifiers: Type Identifier

Locations: Type Address City State Country Postal

Headquarter 704 6th avenue Buffalo MN United States 55313

Affiliates: Name

Contacts: Type User Name Phone Fax E-mail

Primary Select if applicable CarTest Luong (763)486-0845 carlan.luong@oati.net

Alternate 1 Select if applicable CarTest Luong (763)486-0845 carlan.luong@oati.net

Add Entity Code-Role Submit Close

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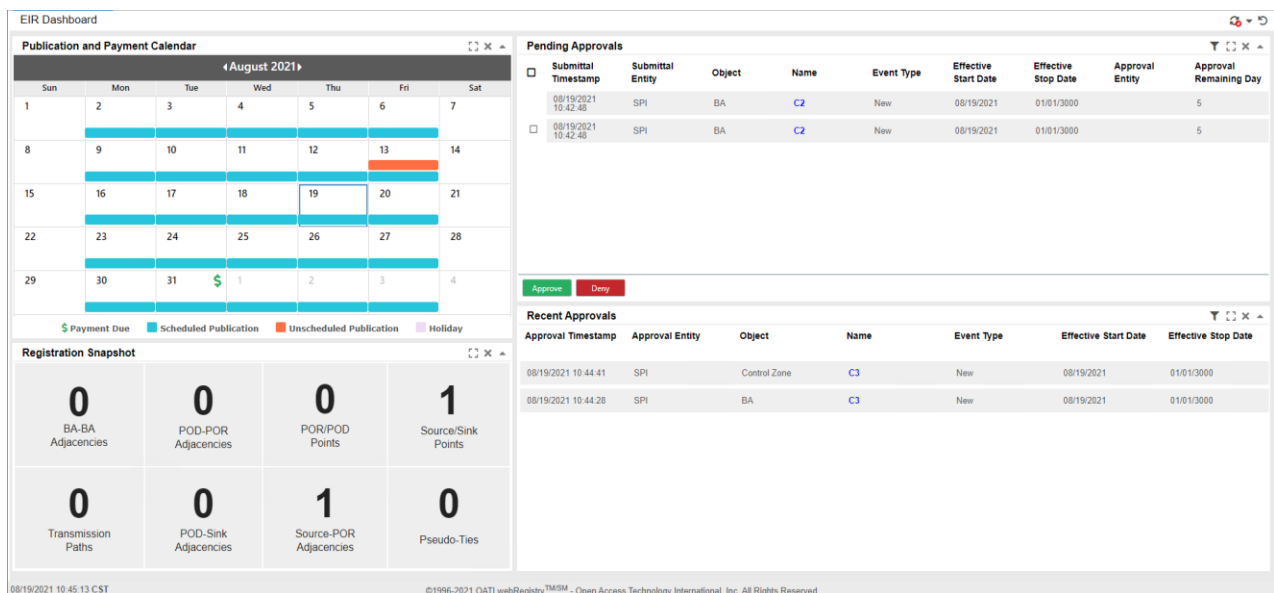
The Entity Registration page will bring over some of the information entered in the Application for Registration. The Applicant User is to fill out the Entity Registration page and create one Entity Code-Role. Click on the “Add Entity Code-Role” button to create the Code-Role. Initial Registration is completed only when both the Entity Registration and Entity Code-Role Registration have been submitted for review. (Please Note: Both forms must be entered/submitted individually).

The Entity Code-Role Entry page is where the user enters their first Code-Role. Additional Code-Roles may be entered after the initial registration has been approved.

4. Dashboard

The EIR Dashboard makes common user functions available in one location on a single display so as to improve the usability of the system, and hence the user experience. The dashboard display is divided into several modules, which are explained in the next few sections. Below is an overview of the dashboard functionality:

- Users can monitor the scheduled and unscheduled publications as well as their subscription renewal due dates.
- Users can approve Pending Approvals requests without having to open the approval display.
- Users can monitor Recent Approvals for objects/ECR for the current day.
- Users can monitor the number of objects that belong to their Entity.



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4.1 Calendar Module

Publication and Payment Calendar						
◀August 2021▶						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

\$ Payment Due
Scheduled Publication
Unscheduled Publication
Holiday

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At a glance, the calendar module provides a quick snapshot of the registry publications, upcoming renewal payments and any holidays that will impact the registry publications. This is done via visual indicators in the calendar module. The calendar header has left and right arrows so the user can scroll through the months. The current date in the calendar is highlighted with a blue border around the date cell.

The organization of this information and their associated visual indicators is explained below.

- **Registry Publications** - The registry publications are indicated via blue and orange bars on the calendar dates. A blue bar on a calendar date indicates that a pending registry was published on that date, or if the date is in the future a blue bar indicates that a publication is scheduled to occur on that date. An orange bar on a calendar date indicates that an emergency publication was made on that date. When the user clicks on a blue or orange bar, they are taken to the delta publications page, which shows the user the differences between that publication and the previous one.
- **Payment** - The visual payment indicators let the user know whether a payment is due, upcoming, or already made. This is achieved via payment indicators of different colors:

- Red 💰 - Will have the tooltip text “Payment Due and payment window open”. Users will know that they can click this icon to make a payment. Clicking on this icon will open the payment display for the user (Entity Admins only).
- Gold 💰 - Will have the text “Payment due and payment window not open”. Users will know when their upcoming payment is due but cannot make a payment yet.
- Green 💰 - Will have the text “Payment made”. Users will know that a payment has already been made.

Holidays - Holidays are indicated by a shaded cell in a light purple color. This indicates to the user that a new registry will not become active that day.

4.2 Pending Approvals Module

Pending Approvals 🔍 🗨️ ✕ ▲									
☐	Submittal Timestamp	Submittal Entity	Object	Name	Event Type	Effective Start Date	Effective Stop Date	Approval Entity	Approval Remaining Day
☐	08/19/2021 10:42:48	SPI	BA	C2	New	08/19/2021	01/01/3000		5
☐	08/19/2021 10:42:48	SPI	BA	C2	New	08/19/2021	01/01/3000		5
Approve Deny									

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This module shows a summary of the pending approvals that are relevant to the user and their company. Users can filter this module to customize the data they would like to appear in this module. The following filters are available on this module:

- Submittal Timestamp.
- Submittal Entity.
- Object.
- Name.
- Event Type.
- Approval Type.
- Effective Start Date.
- Effective Stop Date.
- Approval Entity.
- Approval Remaining Days.

Records that the user has approval rights on (records requiring approvals from the user's company) have a check box so that they can be selected for an approve/deny action. Records that user does not have approval rights on do not have a check box.

Users can click on the link on each row to view the details of what is being changed. Users can approve/deny one record at a time, or select multiple records simultaneously and approve/deny them all with a single button click.

4.3 Recent Approvals Module

Recent Approvals Filter [X] [Y] [Z]						
Approval Timestamp	Approval Entity	Object	Name	Event Type	Effective Start Date	Effective Stop Date
08/19/2021 10:44:41	SPI	Control Zone	C3	New	08/19/2021	01/01/3000
08/19/2021 10:44:28	SPI	BA	C3	New	08/19/2021	01/01/3000

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This module shows a summary of what has been recently approved/denied on the current day. Users can filter this module to customize the data they would like to appear in this module. The following filters are available on this module:

- Approval Entity.
- Object.
- Name.

4.4 Registration Snapshot Module

Registration Snapshot Filter [X] [Y] [Z]			
0 BA-BA Adjacencies	0 POD-POR Adjacencies	0 POR/POD Points	1 Source/Sink Points
0 Transmission Paths	0 POD-Sink Adjacencies	1 Source-POR Adjacencies	0 Pseudo-Ties

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This module provides a count overview of the objects owned by the user's entity. For example, if the user's entity owns 20 Source/Sink points, the display tile will show a tile saying '20 Source/Sink Points'. The purpose of this module is to provide a quick snapshot of the objects registered for the company.

Users can click on the tiles of the objects to bring up the summary display of those objects.

5. Entities Menu

The main administrative object within webRegistry is an entity. Entities may have multiple functions (or roles) in the registry. All operations allowed in webRegistry are performed by users operating as representatives of an entity that has been recognized and recorded in the system as a legitimate industry participant.

A user that has access to webRegistry must be assigned to one, and only one, entity. The scope of user functions in webRegistry (i.e., a set of user interface displays available to users, as well as actions that users are allowed to perform on those displays) is determined by the assigned user role.

5.1 Entities

Entities will be created when an application for registration is accepted. The details of an entity will be filled out during the Initial Registration process of an entity.

To locate Entities, navigate to Entities > Entities. To create a new entity, click on the “New Entity” button.

Entities Viewing Mode: Current Version Effective Date: Today (09/17/2021) Approval Status: Approved																
Entity	Entity Name	Type	Entity Professional	URL	NERC ID	Record ID	Associated Entity Code (Role)	Locations	Locations	Affiliates	Contacts	Effective Date	Approval Status	Delegated	View	Editing
ALSC	American Linx Company	TCIPSE	NA	www.alx.com	402	6003	DUNS - 00695017	Headquarter - 1601 Chock			Primary - Greg S. Hines	04/06/2010	01/01/2000	Approved	No	NA
APU	Avangrid Renewables, LLC	TCIPSE	NA	www.avangrid.com	278	9879	DUNS - 04737622	Headquarter - 1125 NW Co.			Primary - Christopher C.J.	08/01/2016	01/01/2000	Approved	No	NA
AVS	Avangrid Renewables, LLC	ORSE	NA	www.avangrid.com	107788	100001	DUNS - 04737622	Headquarter - 1125 NW Co.			Primary - Matt Herman, L.	02/06/2016	01/01/2000	Approved	No	NA
BECC	BE Energy Company	TCIPSE	NA	www.becenergy.com	80	10014	DUNS - 02367876	Headquarter - 221 Hays			Primary - Fernando Soto	06/06/2010	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Cooperative	ORSE	NA		423	4348	DUNS - 03368007	Headquarter - 1717 East			Primary - Barne Emond	05/03/2012	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Cooperative LLC	TCIPSE	NA	www.becenergy.com	3627	9033	DUNS - 01665596	Headquarter - 403 W. a.			Primary - Richard Bortol	04/10/2012	01/01/2000	Approved	No	NA
CE	Centennial Electric Cooperative Inc.	TCIPSE	NA	www.cecenergy.com	10033	100388	DUNS - 04131850	Headquarter - PO Box 111			Primary - Richard Bortol	05/04/2016	01/01/2000	Approved	No	NA
BECC	Bein Electric Power LLC	TCIPSE	NA	www.becenergy.com	100404	100417	DUNS - 07068932	Headquarter - 1000 East			Primary - Raghu Reddy, L.	08/02/2016	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	NA		9140	9881	DUNS - 01144718	Headquarter - 1000 East			Administration - Jonathan	03/02/2012	01/01/2000	Approved	No	NA
BECC	Bein Electric Power LLC	TCIPSE	NA		100133	100148	DUNS - 07514275	Headquarter - 1000 East		Black Bear Hydro Partners	Primary - Jonathan Chubb	04/06/2016	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Administration Transmission	ORSE	NA	www.becenergy.com	27	10161	DUNS - 05001098	Headquarter - PO Box 401			Primary - Monte Baugh	10/16/2016	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Administration	TCIPSE	NA	www.becenergy.com	9021	9496	DUNS - 04421098	Headquarter - 403 W. a.			Primary - Jack Buttram, L.	02/02/2014	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Administration	TCIPSE	NA	www.becenergy.com	3080	9580	DUNS - 05365756	Headquarter - 403 W. a.			Primary - Jack Buttram, L.	04/10/2012	01/01/2000	Approved	No	NA
BECC	BECC Energy Services, LLC	TCIPSE	NA	www.becenergy.com	100777	100000	DUNS - 08184183	Headquarter - 131 S. Dear			Primary - Cindy L. Dink	01/16/2016	01/01/2000	Approved	No	NA
BECC	BECC Energy Services, LLC	TCIPSE	NA	www.becenergy.com	2033	8869	DUNS - 01607763	Headquarter - 1320 - 401			Primary - Derek Camacho	08/02/2012	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	NA	www.becenergy.com	9039	10041	DUNS - 04719724	Headquarter - 407 W. a.			Primary - Patsy Stearns	05/06/2016	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	NA	www.becenergy.com	9039	9327	DUNS - 04419870	Headquarter - 100 Bay St.			Primary - Jason A. Brandt	11/03/2016	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	NA	www.becenergy.com	101196	101212	DUNS - 123	Headquarter - 123 123			Primary - 123 123	04/06/2012	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	NA	www.becenergy.com	101200	101216	DUNS - 123	Headquarter - 123 123			Primary - 123 123	04/06/2012	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	NA	www.becenergy.com	101204	100387	DUNS - 02273927	Headquarter - 8000 Street			Primary - Rob Coulbeck	04/16/2017	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	City Utilities of Springfield, Mo	http://www.cityutilities.com	402	8709	DUNS - 19422200	Headquarter - 301 E. Can.		The Energy Authority (E)	Primary - Peter D. Smith	04/06/2012	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	City of Henderson, KY, Utility Commission, DBA Henderson Municipal Power & Light	http://www.henderson.com	100600	100613	DUNS - 02044933	Headquarter - 100 St. St.			Primary - Brad G. Bissett	06/27/2016	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	City of Henderson, KY, Utility Commission, DBA Henderson Municipal Power & Light	http://www.henderson.com	100602	100616	DUNS - 02044933	Headquarter - 100 St. St.			Primary - Brad G. Bissett	02/08/2016	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	City of Henderson, KY, Utility Commission, DBA Henderson Municipal Power & Light	http://www.henderson.com	100603	100614	DUNS - 02755043	Headquarter - 17120 Oak			Primary - Paul Cummings	04/10/2012	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	City of Henderson, KY, Utility Commission, DBA Henderson Municipal Power & Light	http://www.henderson.com	31	2388	DUNS - 06038022	Headquarter - 4005 Santa			Primary - Brian Sandock	05/03/2012	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	City of Henderson, KY, Utility Commission, DBA Henderson Municipal Power & Light	http://www.henderson.com	50	8997	DUNS - 05964018	Headquarter - 2101 St. L.			Primary - Angela Cullen	04/10/2012	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	City of Henderson, KY, Utility Commission, DBA Henderson Municipal Power & Light	http://www.henderson.com	3102	4239	DUNS - 02275044	Headquarter - 1000 East P.			Primary - David P. Bissett	01/01/2014	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	City of Henderson, KY, Utility Commission, DBA Henderson Municipal Power & Light	http://www.henderson.com	910	8732	DUNS - 01244120	Headquarter - Calc. Head.			Primary - Eduardo Duran	04/10/2012	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	City of Henderson, KY, Utility Commission, DBA Henderson Municipal Power & Light	http://www.henderson.com	3847	6223	DUNS - 02148083	Headquarter - 1000 Tyson			Primary - Justin R. Cooper	04/06/2012	01/01/2000	Approved	No	NA
BECC	Bein Electric Power Partners, LLC	TCIPSE	City of Henderson, KY, Utility Commission, DBA Henderson Municipal Power & Light	http://www.henderson.com	3848	6221	DUNS - 08913081	Headquarter - 1000 Tyson			Primary - Andrew R. Bissett	04/06/2012	01/01/2000	Approved	No	NA

09/17/2021 10:08:38 CST

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Records 1-30 of 115

New Entity Code-Role Close

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To get to the Entity Entry page, click on the Entity Code link in the Code column. Modifications to entities can be made from this page.

5.2 Entity Code-Role

Entities may have various functional roles in the electric utility industry. The following roles are supported in webRegistry:

Operations Roles

- Reliability Coordinator (RC)
- Balancing Authority (BA)
- Market Operator (MO)
- Transmission Service Provider (TSP)

Merchant Roles

- Purchasing Selling Entity (PSE)
- Load Serving Entity - implies PSE (LSE)
- Generation Serving Entity - implies PSE (GSE)

Additional Roles

- Registry Administrator (Reg Admin)
- NAESB
- Application Service Provider (ASP)
- Electric Reliability Organization (ERO)
- Regional Reliability Organization (RRO)
- PKI Certification Authority (PKICA)
- Observer (OBS)

Neither Entity Code-Role nor Entity Code is unique in webRegistry. It is possible for the same entity to register several identical roles, such as several PSE desks. It is also possible for an entity to register several different roles that have the same code, such as a BA role and PSE role that may share the same code. However, the combination of an Entity Role and Entity Code will be unique in webRegistry. An Entity cannot have two (2) BA roles with the same code.

A named Entity Role (i.e., the Entity Role/Code pair) represents a unique instance of a business unit in the electric utility industry with clearly defined operational responsibilities, object ownership, and approval rights.

Users in webRegistry are assigned to entities and can view data and perform data entry/modification functions for all roles/codes assigned to their entities.

To locate an Entity Code-Role, navigate to Entities > Entity Code-Role. To create a new entity Code-Role, click on the “New Entity Code-Role” button.

Entity Code-Role Viewing Mode: Current Version Effective Date: Today (09/17/2021) Approval Status: Approved

Entity	Code	Role	Long Name	NERC ID	Tagging ID	Balancing Area	Reliability Area	Region	Market Area	Entity Type	Interconnection
Avangrid Renewables, LLC	AVRN	BA	Avangrid Renewables, LLC	100788	1000938	AVRN	N/A	WSCC	N/A	PSE	WESTERN INTERCONNECTION
BioUrja Power LLC	BIOP01	PSE	BioUrja Power, LLC	100404	1000486		N/A	ERCOT	N/A	PSE	N/A
Bonneville Power Administration Transmission	BPAT	PSE	Bonneville Power Administration Transmission	27	104		N/A	WSCC	N/A	PSE	N/A
Bonneville Power Administration Transmission	BPAT	TSP	Bonneville Power Administration Transmission	27	103		N/A	WSCC	N/A		N/A
Bonneville Power Administration Transmission	BPAT	BA	Bonneville Power Administration Transmission	27	104	BPAT	N/A	WSCC	N/A		WESTERN INTERCONNECTION
Chee Test Entity 2	CTE2	BA	Chee Test Entity 2	101203	1001460	CTE2	N/A	ERCOT	N/A		ERCOT
Enel Green Power North America	EGP1	PSE	Enel Green Power North America	5355	1000124		N/A	WSCC	N/A	PSE	N/A
Florida Reliability Coordinating Council Inc.	FRCC	RRO	OATI webRegistry Administrator	100021	100095		N/A	FRCC	N/A		N/A
Frederickson Power LP	FPWR24	PSE	Frederickson Power LP	2897	1191		N/A	N/A	N/A		N/A
Kootenai Electric Cooperative	KECPSE	PSE	Kootenai Electric Cooperative, Inc.	5764	2469		N/A	WSCC	N/A	PSE	N/A
Midwest Reliability Organization	MRO	RRO	Midwest Reliability Organization	100023	100096		N/A	MRO	N/A		N/A
North American Electric Reliability Council	NERC	ERO	ERO Admin	100017	100094		N/A	N/A	N/A		N/A
North American Energy Standards Board	NAESB	NAESB	NAESB Admin	100016	100093		N/A	N/A	N/A		N/A
Northeast Power Coordinating Council	NPCC	RRO	Northeast Power Coordinating Council	100020	100097		N/A	NPCC	N/A		N/A
OATI webRegistry Administrator	OATI	Support	OATI	583	100071		N/A	N/A	N/A		N/A
OATI webRegistry Administrator	TES1	ASP	OATI webRegistry Administrator	100000	1001453		N/A	N/A	N/A		N/A
OATI webRegistry Administrator	TFS1	PSE	OATI webRegistry Administrator	100000	1001449		N/A	ERCOT	N/A	GPE	N/A

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New Entity Code-Role Close

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Roles may be added as needed by the industry through NAESB and the ERO. OATI webRegistry will be able to support the registration of any entity role defined in the NERC Functional model, once the attributes of such role are defined.

5.3 Purchasing-Selling Entities

The Purchasing-Selling Entity (PSE) display shows users the PSEs within the system. Information provided about the PSE includes the name, NERC ID, and approval status.

To locate Purchasing-Selling Entities, navigate to Entities > Purchasing-Selling Entities. To create a new PSE, click on the “New PSE” button.

Purchasing-Selling Entities

Viewing Mode:

Future Version

Effective Date:

Today Forward (09/17/2021 - 01/01/3000)

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5.4 Regional Reliability Organizations

The Regional Reliability Organizations (RRO) display shows users the RROs within the system. Information provided about the RRO includes the name, NERC ID, and approval status.

To locate Regional Reliability Organizations, navigate to Entities > Regional Reliability Organizations. To create a new RRO, click on the “New RRO” button.

Regional Reliability Organizations Viewing Mode: **Current Version** Effective Date: **Today (09/17/2021)**

Entity	Code	Long Name	NERC ID	Tagging ID	Region	Contacts	Effective Date		Expiration Date	Approval Status
							Start	Stop		
OATI webRegistry Administrator	TES1	OATI webRegistry Administrator	100000	1001450	TES1	24 Hour - Carlan Luong, ...	08/24/2021	01/01/3000	01/31/2022	Appr
Southwest Power Pool Regional Entity	SPP	Southwest Power Pool Regional Entity	100026	100100	SPP	24 Hour - SPP RE, (501)6...	03/19/2012	01/01/3000	01/31/3000	Appr
Midwest Reliability Organization	MRO	Midwest Reliability Organization	100023	100096	MRO	24 Hour - MRO, (651)855-...	03/19/2012	01/01/3000	01/31/3000	Appr
Florida Reliability Coordinating Council Inc.	FRCC	OATI webRegistry Administrator	100021	100095	FRCC	24 Hour - Linda D Campbe...	03/02/2020	01/01/3000	01/31/3000	Appr
ReliabilityFirst Corporation	RFC	ReliabilityFirst Corporation	100022	100098	RFC	24 Hour - Scott Pelfrey,...	02/04/2020	01/01/3000	01/31/3000	Appr
SERC Reliability Corporation	SERC	SERC Reliability Corporation	100024	100099	SERC	24 Hour - Support, (704)...	03/19/2012	01/01/3000	01/31/3000	Appr
Texas Reliability Entity Inc.	ERCOT	Texas Reliability Entity Inc.	100019	100101	ERCOT	24 Hour - Victor Barry, ...	03/19/2012	01/01/3000	01/31/3000	Appr

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[New RRO](#) [Close](#)

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5.5 Reliability Coordinators

The Reliability Coordinators (RCs) display shows users the RCs within the system. Information provided about the RC includes the name, NERC ID, and approval status.

To locate RCs, navigate to Entities > Reliability Coordinators. To create a new RC, click on the “New RC” button.

Reliability Coordinators Viewing Mode: **Current Version** Effective Date: **Today (09/17/2021)**

Entity	Code	Long Name	NERC ID	Tagging ID	Reliability Area	Reliability Region	Contacts	Approval Status
OATI webRegistry Administrator	TES1	OATI webRegistry Administrator	100000	1001452	TES1	MRO	24 Hour - Carlan Luong, ...	08/24/2021

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[New RC](#) [Close](#)

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5.6 Transmission Service Providers

The Transmission Service Providers (TSPs) display shows users the TSPs within the system. Information provided about the TSP includes the name, NERC ID, and approval status.

To locate TSPs, navigate to Entities > Transmission Service Providers. To create a new TSP, click on the “New TSP” button.

Transmission Service Providers Viewing Mode: **Current Version** Effective Date: **Today (09/17/2021)**

Entity	Code	Long Name	NERC ID	Tagging ID	Regional Reliability	Contacts	Effective Date Start
Bonneville Power Administration Transmission	BPA	Bonneville Power Administration Transmission	27	103	WSCC	24 Hour - Tagging Mailbo...	10/16/2018
City of Cascade Locks	CASC	City of Cascade Locks		1000803	N/A	24 Hour - Gordon Zimmerm...	04/12/2017
OATI webRegistry Administrator	TES1	OATI webRegistry Administrator	100000	1001451	N/A	24 Hour - Carlan Luong, ...	08/24/2021

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[New TSP](#) [Close](#)

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5.7 Market Operators

The Market Operators (MOs) display shows users the MOs within the system. Information provided about the MO includes the name, NERC ID, and approval status.

To locate MOs, navigate to Entities > Market Operators. To create a new MO, click on the “New MO” button.

Market Operators Viewing Mode: **Current Version** Effective Date: **Today (09/17/2021)**

Entity	Code	Long Name	NERC ID	Tagging ID	Contacts	Effective Date		Expiration Date	Approval Status	Delegated	Acting	
						Start	Stop				User	Entity
OATI webRegistry Administrator	TES1	OATI webRegistry Administrator	100000	1001454	24 Hour - Carlan Luong, ...	08/24/2021	01/01/3000	01/31/2022	Approved	No	N/A	N/A

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[New MO](#) [Close](#)

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5.8 Balancing Authorities

The Balancing Authorities (BAs) display shows users the BAs within the system. Information provided about the BA includes the name, NERC ID, and approval status.

To locate BAs, navigate to Entities > Balancing Authorities. To create a new BA, click on the “New BA” button.

Balancing Authorities Viewing Mode: **Current Version** Effective Date: **Today (09/17/2021)**

Entity	Code	Long Name	NERC ID	Tagging ID	Balancing Area	Reliability Area	Reliability Region	Market Area	...
Avangrid Renewables, LLC	AVRN	Avangrid Renewables, LLC	100788	1000938	AVRN	N/A	WSCC	N/A	WESTER
Bonneville Power Administration Transmission	BPAT	Bonneville Power Administration Transmission	27	104	BPAT	N/A	WSCC	N/A	WESTER
CarlTest2	CAR2	CarlTest2	101206	1001463	CAR2	N/A	N/A	N/A	N/A
Chee Test Entity 2	CTE2	Chee Test Entity 2	101203	1001460	CTE2	N/A	ERCOT	N/A	ERCOT
OATI webRegistry Administrator	TES1	OATI webRegistry Administrator	100000	1001455	TES1	N/A	FRCC	TES1	N/A

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[New BA](#) [Close](#)

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6. Objects Menu

6.1 Control Zones

Control Zones (sometimes referred to as Local Balancing Authority Areas or LBAs) are subsets of balancing areas that are used by reliability tools, such as the Interchange Distribution Calculator (IDC).

A Control Zone can only be registered by a BA within the territory of its operation. By default, each BA must register a Control Zone whose name is identical to the name of the parent BA. webRegistry will automatically create a matching Control Zone for each new balancing authority.

An Entity Administrator user for a BA entity code can register additional Control Zones as subsets of the balancing area, including associations with the parent balancing area.

An association of a Control Zone with source/sink points is established when a source/sink service point is defined in webRegistry.

To locate Control Zones, navigate to Objects > Control Zones. To create a new Control Zone, click on the “New Control Zone” button.

Control Zones Viewing Mode: **Current Version** Effective Date: **Today (09/17/2021)**

ID	Control Zones	Balancing Area	Effective Date		Approval Status	Delegated	Acting	
			Start	Stop			User	Entity
259	A1	N/A	09/01/2021	01/01/3000	Approved	No	N/A	N/A
158	AEC	N/A	04/12/2012	01/01/3000	Approved	No	N/A	N/A
91	AECI	N/A	06/05/2020	01/01/3000	Approved	No	N/A	N/A
47	AESQ	N/A	11/01/2019	01/01/3000	Approved	No	N/A	N/A
162	ALTE	N/A	03/09/2018	01/01/3000	Approved	No	N/A	N/A
58	ALTE	N/A	09/18/2018	01/01/3000	Approved	No	N/A	N/A

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[New Control Zones](#) [Close](#)

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6.2 Flowgates

The Book of Flowgates (BOF) is an independent North American Electric Reliability Corporation (NERC) system that allows users to define the composition of flowgates in the Eastern Interconnection for use in the IDC. BOF currently provides all capabilities required to create, validate, and maintain critical transmission interfaces that are monitored by Reliability Coordinators in IDC. This functionality will not be duplicated in webRegistry. Flowgate management will continue to reside in the mission-critical BOF system.

OATI webRegistry will import the BOF data for presentation only. Each time a new BOF definition is exported to the IDC, a similar export will be provided to webRegistry.

The presentation of flowgate elements and filtering on the flowgate summary will be similar to what is currently provided in the BOF.

To locate Flowgates, navigate to Objects > Flowgates.

Flowgates

Number	Description	Type	Rationale	Start Time	End Time	Definition	SC	CA	TP	
0	Swing Bus Flowgate	PTDF	Data Check, Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Informational	TVA	TVA	TVA	8BR FERRY NP500.00
3	PJM Eastern Interface	PTDF	Voltage	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	PJM	PJMC	PJM	BREI 500.00, BREI 500.00, J
4	PJM Central Interface	PTDF	Voltage	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	PJM	PJMC	PJM	CNASTONE 500.00, CONEM
5	PJM Western Interface	PTDF	Voltage	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	PJM	PJMC	PJM	01DOUBS 500.00, CONEM-C
6	Hopatcong-Ramapo (5018) 500 kV line	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	NYIS, PJM	NYIS, PJMC	NYIS, PJM	HOPATCONG 500.00
7	Hudson-Farragut (B-3402) 345 kV line	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	NYIS, PJM	NYIS, PJMC	NYIS, PJM	MARION 345.00
8	Marion-Farragut (C-3403) 345 kV line	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	NYIS, PJM	NYIS, PJMC	NYIS, PJM	MARION 345.00
9	Waldwick-South Mahwah (J-3410) 345 kV	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	NYIS, PJM	NYIS, PJMC	NYIS, PJM	WALDWICK 345.00
10	Waldwick-South Mahwah (K-3411) 345 kV	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	NYIS, PJM	NYIS, PJMC	NYIS, PJM	WALDWICK 345.00
11	Linden-Goethals (A-2253) 230 kV line	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	NYIS, PJM	NYIS, PJMC	NYIS, PJM	LINDEN 230.00
12	Warren-Falconer 115 kV line	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	NYIS, PJM	NYIS, PJMC	NYIS, PJM	26WARREN 115.00
13	Erie East-South Ripley 230 kV line	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	NYIS, PJM	NYIS, PJMC	NYIS, PJM	26ERIE E REA230.00
14	East Towanda-Hillside 230 kV line	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	NYIS, PJM	NYIS, PJMC	NYIS, PJM	26E.TWANDA 230.00
16	Laurel Lake-Goudrey 115 kV line	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	NYIS, PJM	NYIS, PJMC	NYIS, PJM	26LAUREL L 115.00
17	Pierce Brook-Five Mile 345 kV	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	NYIS, PJM	NYIS, PJMC	NYIS, PJM	26PIERCEBRK 345.00
18	Mainesburg-Watercure Road 345 kV line	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	NYIS, PJM	NYIS, PJMC	NYIS, PJM	26MAINESBURG345.00
23	William-Cedarsub F 230 kV I/O Roseland-Cedar Grove Y 230 kV	OTDF,LODF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	PJM	PJMC	PJM	WILPIPE 230.00
24	Branchburg-Readington 230 kV line I/O Roseland-Whippany 230	OTDF,LODF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	PJM	PJMC	PJM	BRANCHBG 230.00
28	Readington-Roseland 230kV I/O Branchburg-Hopatcong 500kV	OTDF,LODF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	PJM	PJMC	PJM	28READ-GTN 230.00
29	Readington - Roseland U-2221 230kV	PTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	PJM	PJMC	PJM	28READ-GTN 230.00
30	New Milford - Bergenfield O-2293 loss of Athenia - Belleville Z-	OTDF,LODF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	PJM	PJMC	PJM	NMILFRD 230.00
31	L230kV Lake Nelson-Middlesex I1023 I/O Red Oak Units A and B	OTDF	Thermal	2021-08-30 16:20:00.000	3000-01-01 06:00:00.000	Reliability	PJM	PJMC	PJM	LNELSN_J 230.00

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Close

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6.3 Interconnections

Three (3) synchronous interconnections will be modeled in webRegistry as base registry data and will be maintained by Registry Administrators. NAESB and ERO approvals will be required for interconnections.

To locate Interconnections, navigate to Objects > Interconnections.

Interconnections Viewing Mode: Current Version Effective Date: Today (09/17/2021)

Interconnection	Effective Date		Approval Status	Delegated	Acting	
	Start	Stop			User	Entity
EASTERN INTERCONNECTION	03/20/2012	01/01/3000	Approved	No	N/A	N/A
ERCOT	03/20/2012	01/01/3000	Approved	No	N/A	N/A
QUEBEC INTERCONNECTION	03/20/2012	01/01/3000	Approved	No	N/A	N/A
WESTERN INTERCONNECTION	03/20/2012	01/01/3000	Approved	No	N/A	N/A

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New Interconnection Close

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6.4 POR/POD Points

An Entity Administrator user for a TSP entity code will be able to register POR/POD service points, including association with the parent TSP.

For each service point, users can specify the point name and role (POR, POD, or both). No approval is required for the service point registration.

To locate POR/POD points, navigate to Objects > POR/POD Points. To create a new POR/POD point, click on the “New POR/POD Point” button. Alternatively, to upload POR/POD points, click on the “POR/POD Points Upload” button.

POR/POD Points Type: POD Viewing Mode: Current Version Effective Date: Today (09/17/2021)

ID	Name	Type	TSP	DC Tie Operator (BA)	NERC ID	TSP Tagging ID	Point ID	Effective Date		Approval Status	Delegated	Acting	
								Start	Stop			User	Entity
532	ALCOATroutdl	POD	BPAT		27	103	2195	10/16/2018	01/01/3000	Approved	No	N/A	N/A
533	ALCOAWenatch	POD	BPAT		27	103	237	10/16/2018	01/01/3000	Approved	No	N/A	N/A
539	AVAREMOTELD	POD	BPAT		27	103	4793	10/16/2018	01/01/3000	Approved	No	N/A	N/A
530	Albany12Pac	POD	BPAT		27	103	5150	10/16/2018	01/01/3000	Approved	No	N/A	N/A
536	ArlingtnWinLD	POD	BPAT		27	103	4897	10/16/2018	01/01/3000	Approved	No	N/A	N/A

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[New POR/POD Point](#) [POR/POD Points Upload](#) [Close](#)

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6.5 Source/Sink Points

Source/sink and source/sink points can be registered in webRegistry by Entity Administrators of either BA or PSE entities.

Entity Administrators for PSE entities codes can register source/sink or source/sink points in webRegistry, including the associations with hosting Control Zones. The approval policy requires the corresponding BA to approve such registration.

Entity Administrators for the BA can register source/sink points in their Control Zones. When registering a source/sink point, the BA can select one or more PSE entity codes that will be allowed to use this service point as either the source or sink. No PSE approval of such registration will be required in the initial configuration of the approval policy.

After a source/sink point has been approved and registered in the system, both the PSE and the BA will be considered its dual owners. Both parties can perform modification and deactivation actions on the source/sink object. When such actions are taken by the PSE, a BA approval will be required.

Note: BA modifications or deactivations of source/sink objects require no additional approvals.

To locate Source/Sink Points, navigate to Objects > Source/Sink Points. To create a new source/sink point, click on the “New Source/Sink Point” button. Alternatively, to upload source/sink points, click on the “Source/Sink Points Upload” button.

Source/Sink Points Type: Source/Sink Viewing Mode: Current Version Effective Date: Today (09/18/2021)

ID	Name	Type	Control Zone	BA	PSE	NERC ID	Point ID	MRD Resource	Approval Tagging Entity Role	Code	Effective Date Start	Effective Date Stop	Approval Status	Delegated	Acting User	Acting Entity
10255	BPA_3PS	Source/Sink	BPAT	BPAT	BPAT	27	103807				11/01/2019	01/01/3000	Approved	No	N/A	N/A
388	BPAT-CA-Default	Source/Sink	BPAT	BPAT	BPAT	27	3548				11/01/2019	01/01/3000	Approved	No	N/A	N/A
389	BPATLOAD	Source/Sink	BPAT	BPAT	BPAT	27	17653				11/01/2019	01/01/3000	Approved	No	N/A	N/A
7562	Frederickson	Source/Sink	BPAT	BPAT	FPWR24	2897	4670				11/01/2019	01/01/3000	Approved	No	N/A	N/A
16193	SS12	Source/Sink	TES2	TES1	EGC1	100179	109736				09/08/2021	01/01/3000	Approved	No	N/A	N/A
16196	SS15	Source/Sink	TES2	TES1	EGC1	100179	109739				09/14/2021	01/01/3000	Approved	No	N/A	N/A
16200	SS17	Source/Sink	TES2	TES1	EGC1	100179	109743				09/15/2021	01/01/3000	Approved	No	N/A	N/A
16201	SS18	Source/Sink	TES2	TES1	EGC1	100179	109744				09/15/2021	01/01/3000	Approved	No	N/A	N/A
16202	SS19	Source/Sink	TES1	TES1	EGC1	100179	109745				09/15/2021	01/01/3000	Approved	No	N/A	N/A
16204	SS21	Source/Sink	TES2	TES1	EGC1	100179	109747				09/15/2021	01/01/3000	Approved	No	N/A	N/A
16209	SS26	Source/Sink	TES1	TES1	EGC1	100179	109752				09/15/2021	01/01/3000	Approved	No	N/A	N/A
16212	SS30	Source/Sink	TES2	TES1	EGC1	100179	109755				09/16/2021	01/01/3000	Pending	No	N/A	N/A
16214	SS32	Source/Sink	TES2	TES1	EGC1	100179	109757				09/16/2021	01/01/3000	Approved	No	N/A	N/A
16215	SS33	Source/Sink	TES1	TES1	EGC1	100179	109758				09/16/2021	01/01/3000	Approved	No	N/A	N/A
16216	SS34	Source/Sink	TES2	TES1	EGC1	100179	109759				09/16/2021	01/01/3000	Approved	No	N/A	N/A
16217	SS35	Source/Sink	TES2	TES1	EGC1	100179	109760				09/16/2021	01/01/3000	Approved	No	N/A	N/A
16231	SS40	Source/Sink	TES1	TES1	EGC1	100179	109774				09/17/2021	01/01/3000	Pending	No	N/A	N/A
16187	SS5	Source/Sink	TES1	TES1	EGC1	100179	109730				09/07/2021	01/01/3000	Approved	No	N/A	N/A
16198	SS6	Source/Sink	TES2	TES1	EGC1	100179	109741				09/14/2021	01/01/3000	Pending	No	N/A	N/A
16190	SS9	Source/Sink	TES2	TES1	EGC1	100179	109733				09/07/2021	01/01/3000	Approved	No	N/A	N/A
16228	SSA10	Source/Sink	TES2	TES1	EGP1	5355	109771				09/16/2021	01/01/3000	Approved	No	N/A	N/A
16229	SSA11	Source/Sink	TES2	TES1	EGP1	5355	109772				09/16/2021	01/01/3000	Approved	No	N/A	N/A

09/18/2021 18:00:12 CST Page 1 of 1 Records 1-28 of 28

New Source/Sink Point Source/Sink Points Upload Close

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6.6 MRD Flowgates

OATI webRegistry will provide the ability to record Market Re-Dispatch (MRD) objects, flowgates, and resources.

ERO entity administrators will be responsible for the management of MRD data in webRegistry. No approval will be required for MRD objects.

To locate MRD Flowgates, navigate to Objects > MRD Flowgates.

6.7 MRD Resources

OATI webRegistry will provide the ability to record MRD objects, flowgates and resources, in a manner consistent with how these objects are currently modeled in the existing TSIN Registry.

ERO entity administrators will be responsible for the management of MRD data in webRegistry. No approval will be required for MRD objects.

To locate MRD Resources, navigate to Objects > MRD Resources.

6.8 Pseudo-Ties

Pseudo Tie functionality allows webRegistry Entity System Administrators to register Pseudo-Tie Transactions between Source and Sink BAs and the affected TSPs. Pseudo-Ties can only be registered by an Entity that has registered a BA or PSE role-code.

To locate Pseudo-Ties, navigate to Objects > Pseudo-Ties.

7. Approval Menu

7.1 Approval Configurations

NAESB, ERO, and BA Entity Administrator users in the webRegistry system can construct how approvals are performed, including if an approval is necessary. These users can also arrange the approval period, reminder period, and the event type of the approval.

To locate Approval Configurations, navigate to Approval > Approval Configurations. To create a new approval configuration, click on the “New Approval Configuration” button.

Approvers

Entity/ Object	Approver			Is Optional
	Entity	ID Column		
Entity	NAESB			No
Applicant	NAESB			No
ERO	NAESB			No
RC	NAESB			No
RRQ	NAESB			No
MQ	NAESB			No
ASP	NAESB			No
BA	NAESB			No
POCA	NAESB			No
PSE	NAESB			No
TSP	NAESB			No
Interconnection	NAESB			No
Control Zone	BA	BAID		No
POB/POD	TSP	TSPID		No
Source/Sink	BA	BAID		No
Source/Sink	PSE	PSEID		No
Reg Admin	Support			No
NAESB	Reg Admin			No
NAESB	Support			No
Product	NAESB			No
Observer	NAESB			No
BA-BA	BA	FromBAID		No
BA-BA	TSP	FromTSPID		No
BA-BA	BA	ToBAID		No
BA-BA	TSP	ToTSPID		No
POD-POB	TSP	FromTSPID		No
POD-POB	TSP	ToTSPID		No
Transmission Path	BA	BAID		No
Transmission Path	TSP	TSPID		No
Source/POB	BA	FromBAID		No

09/23/2021 10:19:27 CST

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New Approver Close

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7.2 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 have been approved will be highlighted in gray, while denied submittals are highlighted in red.

To locate Approval History, navigate to Approval > Approval History.

Approval History		Submittal Timestamp: This Year (2021)																			
Submittal		User	Entity	Object	Name	Event Type	Attribute	Value		Effective Date		Object	Entity	User	Timestamp	Status	Notes				
Timestamp								Old	New	Start	Stop										
08/28/2021 20:56:39	CarlanL	OAT2	Control Zone	TES1	TES1	New				08/28/2021	01/01/2000	BA	OAT2	CarlanL	08/28/2021 20:56:39	Approved	Approval is not needed for owner of the object				
08/28/2021 21:19:10	CarlanL	OAT2	Control Zone	TES2	TES2	New				08/28/2021	01/01/2000	BA	OAT2	CarlanL	08/28/2021 21:19:10	Approved	Approval is not needed for owner of the object				
09/01/2021 17:29:28	CheL	OAT2	Control Zone	CID	CID	New				09/01/2021	01/01/2000	BA	OAT2	CheL	09/01/2021 17:29:28	Approved	Approval is not needed for owner of the object				
09/01/2021 20:42:14	JGBenville	ECG1	Control Zone	AJ	AJ	New				09/01/2021	01/01/2000	BA	ECG1	JGBenville	09/01/2021 20:42:14	Approved	Approval is not needed for owner of the object				
09/03/2021 11:13:26	CheL	OAT2	Control Zone	C2	C2	New				09/03/2021	01/01/2000	BA	OAT2	CheL	09/03/2021 11:13:26	Approved	Approval is not needed for owner of the object				
09/14/2021 09:20:08	CheL_CTE2	CTE2	Control Zone	CTE2	CTE2	New				09/14/2021	01/01/2000	BA	CTE2	CheL_CTE2	09/14/2021 09:20:08	Approved	Approval is not needed for owner of the object				
08/28/2021 21:29:50	CarlanL	OAT2	POD-FOR	TES2-TEST1	TES2-TEST1	New				08/28/2021	01/01/2000	TSP	OAT2	CarlanL	08/28/2021 21:29:50	Approved	Approval is not needed for owner of the object				
08/28/2021 21:28:49	CarlanL	OAT2	Pseudo-Tie	(ID_1351)TES1-TEST1-TEST1	(ID_1351)TES1-TEST1-TEST1	New				08/28/2021	01/01/2000	BA	OAT2	CarlanL	08/28/2021 21:28:49	Approved	Approval is not needed for owner of the object				
09/01/2021 20:38:34	CheL	OAT2	Pseudo-Tie	(ID_1351)TES1-TEST1-TEST1	(ID_1351)TES1-TEST1-TEST1	New				09/01/2021	01/01/2000	BA	OAT2	CheL	09/01/2021 20:38:34	Approved	Approval is not needed for owner of the object				
01/19/2021 18:08:53	CarlanL	OAT2	PKICA	PKICA	PKICA	Modification	N/A			01/19/2021	01/01/2000			CarlanL	01/19/2021 18:08:53	Approved	Approval is not required due to no attributes changed				
01/20/2021 08:01:52	CarlanL	OAT2	PKICA	PKICA	PKICA	Modification	N/A			01/20/2021	01/01/2000			CarlanL	01/20/2021 08:01:52	Approved	Approval is not required due to no attributes changed				
01/20/2021 11:15:20	CarlanL	OAT2	PKICA	PKICA	PKICA	Modification	N/A			01/20/2021	01/01/2000			CarlanL	01/20/2021 11:15:20	Approved	Approval is not required due to no attributes changed				
01/20/2021 11:30:26	CarlanL	OAT2	PKICA	PKICA	PKICA	Modification	N/A			01/20/2021	01/01/2000			CarlanL	01/20/2021 11:30:26	Approved	Approval is not required due to no attributes changed				
01/20/2021 12:17:02	CarlanL	OAT2	PKICA	PKICA	PKICA	Modification	N/A			01/20/2021	01/01/2000			CarlanL	01/20/2021 12:17:02	Approved	Approval is not required due to no attributes changed				
01/20/2021 12:19:26	CarlanL	OAT2	PKICA	PKICA	PKICA	Modification	N/A			01/20/2021	01/01/2000			CarlanL	01/20/2021 12:19:26	Approved	Approval is not required due to no attributes changed				
04/23/2021 12:51:24	CheL	OAT2	PKICA	PKICA	PKICA	Modification	N/A			04/23/2021	01/01/2000			CheL	04/23/2021 12:51:24	Approved	Approval is not required due to no attributes changed				
04/26/2021 09:50:54	CheL	OAT2	Entity	CHJ	CHJ	New				04/26/2021	01/01/2000	NAESB	NAES	JonathanB	04/26/2021 09:50:54	Approved	Approval is not needed due to auto approve configuration by the approve				
05/17/2021 11:04:02	CarlanL	OAT2	PSE	SEAD	SEAD	Modification	Code	SEA	SEAD	05/17/2021	01/01/2000	NAESB	NAES	JonathanB	05/17/2021 11:04:02	Approved	Approval is not needed due to auto approve configuration by the approve				
05/17/2021 11:19:35	CarlanL	OAT2	PSE	SEAL	SEAL	Modification	Code	SEAD	SEAL	05/17/2021	01/01/2000	NAESB	NAES	JonathanB	05/17/2021 11:19:35	Approved	Approval is not needed due to auto approve configuration by the approve				
05/18/2021 07:55:48	CarlanL	OAT2	PSE	ADAPT2	ADAPT2	Modification	NERC ID	100862	5207	05/18/2021	01/01/2000	NAESB	NAES	JonathanB	05/18/2021 07:55:48	Approved	Approval is not needed due to auto approve configuration by the approve				
05/18/2021 07:55:48	CarlanL	OAT2	PSE	ADAPT2	ADAPT2	Modification	Entity	Adapt2 Solutions	Sorce Southwest Trading, LLC	05/18/2021	01/01/2000	NAESB	NAES	JonathanB	05/18/2021 07:55:48	Approved	Approval is not needed due to auto approve configuration by the approve				
06/03/2021 07:25:40	CarlanL	OAT2	PKICA	OATICA	OATICA	Modification	N/A			06/03/2021	01/01/2000			CarlanL	06/03/2021 07:25:40	Approved	Approval is not required due to no attributes changed				
06/03/2021 09:12:58	CarlanL	OAT2	PKICA	OATICA	OATICA	Modification	N/A			06/03/2021	01/01/2000			CarlanL	06/03/2021 09:12:58	Approved	Approval is not required due to no attributes changed				
06/09/2021 10:52:54	CarlanL	REC1	Entity	BEC1	BEC1	Registration				06/09/2021	01/01/2000	NAESB	NAES	JonathanB	06/09/2021 10:52:54	Approved	Approval is not needed due to auto approve configuration by the approve				
06/09/2021 10:43:00	CarlanL	REC1	Applicant	BEC1	BEC1	New				06/09/2021	01/01/2000	NAESB	NAES	JonathanB	06/09/2021 10:43:00	Approved	Approval is not needed due to auto approve configuration by the approve				
06/09/2021 10:52:52	CarlanL	REC1	PSE	BEC1	BEC1	New				06/09/2021	01/01/2000	NAESB	NAES	JonathanB	06/09/2021 10:52:52	Approved	Approval is not needed due to auto approve configuration by the approve				
06/09/2021 11:12:06	CarlanL	REC1	PSE	BEC1	BEC1	Modification	N/A			06/09/2021	01/01/2000			CarlanL	06/09/2021 11:12:06	Approved	Approval is not required due to no attributes changed				
06/09/2021 11:12:36	CarlanL	REC1	PSE	BEC1	BEC1	Modification	Effective Stop Date	09/09/2021	06/09/2021	06/09/2021	06/09/2021	NAESB	NAES	JonathanB	06/09/2021 11:12:36	Approved	Approval is not needed due to auto approve configuration by the approve				
06/09/2021 11:19:45	CarL	RECT	Entity	BEC1	BEC1	Registration				06/09/2021	01/01/2000	NAESB	NAES	JonathanB	06/09/2021 11:19:45	Approved	Approval is not needed due to auto approve configuration by the approve				
06/09/2021 11:17:15	CarL	RECT	Applicant	BEC1	BEC1	New				06/09/2021	01/01/2000	NAESB	NAES	JonathanB	06/09/2021 11:17:15	Approved	Approval is not needed due to auto approve configuration by the approve				

09/18/2021 18:32:17 CST

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7.3 Approval Overrides

The Approval Overrides display indicates to Administrative users the approval overrides allowed in the system.

To locate Approval Overrides, navigate to Approval > Approval Overrides. To create a new approval override, click on the “New Approval Override” button.

Approval Overrides

Entity	Object	Event Type	Attribute	Auto Approve
WECC	Pseudo-Tie	New		Yes
		Modification	Effective Start Date	Yes
		Modification	Effective Stop Date	Yes
		Modification	Sim Contract Number	Yes
		Modification	Source Contract Number	Yes
	Pseudo-Tie Segment	New		Yes
		Modification	Contract Number	Yes
		Modification	Effective Start Date	Yes
		Modification	Effective Stop Date	Yes
		Registration		No
NAES	BA	Registration		No
	Applicant	Registration	Yes	
	ASP	Registration	Yes	
	Applicant	New	Yes	
	ASP	New	Yes	
	BA	New	No	
	ERO	New	Yes	
	Entity	New	Yes	
	Interconnection	New	Yes	
	MO	New	Yes	
	Observer	New	Yes	
	PKICA	New	No	
	PSE	New	Yes	
	Product	New	Yes	
	RC	New	No	
	RRO	New	No	
	TSP	New	No	
	ERO	Registration	Yes	
	Entity	Registration	Yes	
	MO	Registration	Yes	
	Observer	Registration	Yes	
	PKICA	Registration	No	
	PSE	Registration	Yes	
	RC	Registration	No	
	RRO	Registration	No	
TSP	Registration	No		

09/18/2021 16:34:06 CST

New Approval OverrideClose

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Records 1-2 of 2

7.4 Pending Approvals

Entity Administrator users that have approval rights will be notified via a system alarm of new/pending approvals requiring action. A reminder alarm can also be generated 12 hours prior to an approval deadline for pending changes still waiting for approval.

To locate Pending Approvals, navigate to Approval > Pending Approvals. To either approve changes or deny changes, check the checkboxes and click on the “Approve Checked” or “Deny Checked” buttons, respectively.

Pending Approvals 🔍 📄 ⚙️ 📄 📄 📄 📄 📄

Action	Submittal			Object	Name	Event Type	Attribute	Value			Effective Date		Approval			
	Timestamp	User	Entity					Old	New	Warning	Start	Stop	Object	Entity	Remaining Days	
Approve	09/17/2021 09:30:26	Carl_Test2		BA	CAR2	Registration					09/17/2021	01/01/3000	NAESB		4	☐
Approve	09/14/2021 08:49:02	JGoberville	EGC1	Source/Sink	SS1	New					09/14/2021	01/01/3000	BA	OAT2	1	☐
Approve	09/14/2021 08:49:30	JGoberville	EGC1	Source/Sink	SS6	New					09/14/2021	01/01/3000	BA	OAT2	1	☐
Approve	09/16/2021 08:19:55	CheeL	OAT2	Source/Sink	SS30	New					09/16/2021	01/01/3000	PSE	EGC1	3	☐
Approve	09/17/2021 06:36:04	CheeL	OAT2	Source/Sink	SS40	New					09/17/2021	01/01/3000	PSE	EGC1	4	☐
Approve	09/17/2021 06:36:25	CheeL	OAT2	Source/Sink	SS41	New					09/17/2021	01/01/3000	PSE	EGC1	4	☐

09/18/2021 18:35:48 CST Page 1 of 1 Records 1–6 of 6

[Approve Checked](#) [Deny Checked](#) [Close](#)

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8. Payment Menu

The webRegistry system allows users to pay their annual dues directly through the system by using a major credit card.

Annual dues are based on the number of Code-Role instances registered by a given entity in webRegistry. After the initial registration, an entity will be given a grace period of thirty days, during which it is expected to fulfill its payment obligations. If a payment has not been posted during the grace period, an entity registration may be terminated and result in terminations to existing data object registrations.

Initial Registration of a Code-Role: \$300.00 (USD).

Annual Renewal of a Code-Role: \$200.00 (USD).

Late payment charges may be assessed on payments made after the due date, where applicable.

Only Entity Administrator Users can make payments in the system on behalf of its entity.

Annual Payments are due on the first of the month of the anniversary of the first Code-Role registration. If, after paying its annual dues, an entity registers additional Code-Roles, the additional dues for this Code-Role will be adjusted and an additional prorated payment will be requested.

Entity Administrators can pay for dues on the Payment Entry display by entering customary credit card information. Upon submission of payment, webRegistry will send an email receipt to the email address provided. The Payment Log display lists the entity's payment history in the system. No other forms of payment are accepted.

Payment Entry

One or more Entity Code-Roles have payment due.
Please provide payment for the below Code-Roles.
Failure to do so before the due date will result in the
Code-Role being removed from the registry.

Entity	Entity Code Role	Subscription	Status	Remaining Days	Start	End	Amount
OATI	☐ OATI (ASP)	Renewal	Payment Required	0	03/01/2021	02/28/2022	200.00

Total Amount: 0

Notes:

Name on Credit Card:

Street Address:

City:

State:

Zip Code:

Credit Card Type:

Credit Card Number:

Expiration Date: /

Security Code:

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8.1 Subscription Summary

The Subscription Summary display shows entities a summary of their subscriptions and when payments are due.

To locate Subscription Summary, navigate to Payment > Subscription Summary. To make a payment, click on the “New Payment” button.

Subscription Summary Entity: OATI2 (OATI webRegistry Administrator)

Entity	Entity Code-Role	Current Subscription			Next Payment			Last Payment							
		Start	End	Status	Due Date	Remaining Days	Required Amount ▲	Start Date	End Date	Timestamp	Method	Amount	Transaction ID	Authorization Code	Notes
OATI webRegistry Administrator	C10 (BA)	09/01/2021	12/31/2021	Renewal	10/01/2021	12	166.67								
OATI webRegistry Administrator	C2 (BA)	09/01/2021	12/31/2021	Renewal	10/01/2021	12	166.67								
OATI webRegistry Administrator	TES2 (PSE)	08/30/2021	12/31/2021	Renewal	09/29/2021	10	183.33								
OATI webRegistry Administrator	OATI (Support)	09/22/2011	12/31/2999	Normal	01/31/3000	357341	200.00	09/22/2011	12/31/2999	2011-09-22 14:54:11.057	Coupon	250.00			View
OATI webRegistry Administrator	TES1 (PSE)	08/24/2021	12/31/2021	Normal	01/31/2022	134	200.00	08/24/2021	12/31/2021	2021-08-24 15:14:10.030	Coupon	183.33			
OATI webRegistry Administrator	TES1 (RRO)	08/24/2021	12/31/2021	Normal	01/31/2022	134	200.00	08/24/2021	12/31/2021	2021-08-24 15:14:49.100	Coupon	183.33			
OATI webRegistry Administrator	TES1 (TSP)	08/24/2021	12/31/2021	Normal	01/31/2022	134	200.00	08/24/2021	12/31/2021	2021-08-24 15:15:22.897	Coupon	183.33			
OATI webRegistry Administrator	TES1 (RC)	08/24/2021	12/31/2021	Normal	01/31/2022	134	200.00	08/24/2021	12/31/2021	2021-08-28 20:53:15.643	Coupon	183.33			
OATI webRegistry Administrator	TES1 (ASP)	08/24/2021	12/31/2021	Normal	01/31/2022	134	200.00	08/24/2021	12/31/2021	2021-08-28 20:53:54.910	Coupon	183.33			
OATI webRegistry Administrator	TES1 (MO)	08/24/2021	12/31/2021	Normal	01/31/2022	134	200.00	08/24/2021	12/31/2021	2021-08-28 20:54:14.980	Coupon	183.33			

09/19/2021 17:48:43 CST Page 1 of 1 Records 1–11 of 11

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9.1 Audit Trail

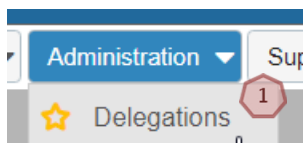
In addition to the audit trail, most webRegistry summaries support the historical viewing of data objects as they were officially recorded in published registry versions. Users can select the version index in the summary display filter and view the object's version that was included in a given registry publication.

To locate the audit trail, navigate to Audit > Audit Trail.

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10. Administration Menu

10.1 Delegations



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- 1 To specify a delegation, navigate to Administration > Delegations. The Delegation display will open. Click on the “New Delegation” button. The Delegation Entry page will open.

Delegations Status: ALL Effective Date: Today (09/19/2021)

Entity		Status	Comment	Effective Date		Creation		Confirmed/Cancelled			
Acting	Delegating			Start	Stop	User	Timestamp	Action	Notes	User	Timestamp
CRSP	CRSP	Pending		09/23/2014	01/01/3000	mtmrklap	09/23/2014 11:00:15.320				
ETNA	WTNY	Pending		09/23/2014	01/01/3000	mtmrkcrsp	09/23/2014 11:10:56.343				
ETNA	FENN	Pending		02/13/2020	01/01/3000	dtrent_FENN	02/13/2020 08:40:44.150				
TEA	NIXA	Active		01/27/2017	01/01/3000	AMiller	01/27/2017 14:13:38.373	View		TFlanaganTEA	01/27/2017 14:17:00.890
NWDS	NWPS	Active	View	03/07/2018	01/01/3000	clhuber	03/07/2018 15:44:11.780	View		00038363	03/07/2018 15:46:03.033
EMAE	EES9	Active		01/25/2018	01/01/3000	mcookees9	01/25/2018 10:35:01.850	View		mcookeei	01/25/2018 10:36:06.253
EMAE	EMRA	Active		01/25/2018	01/01/3000	mcookees	01/25/2018 10:51:20.290	View		mcookeei	01/25/2018 11:05:31.527
EMAE	EE15	Active		01/25/2018	01/01/3000	mcookees15	01/25/2018 10:52:43.360	View		mcookeei	01/25/2018 11:05:33.867
EMAE	EES3	Active		01/25/2018	01/01/3000	mcookees3	01/25/2018 10:54:46.750	View		mcookeei	01/25/2018 11:05:35.973
EMAE	EE2	Active		01/25/2018	01/01/3000	mcookeesub2	01/25/2018 10:57:10.207	View		mcookeei	01/25/2018 11:05:38.000
EMAE	EEUS	Active		01/25/2018	01/01/3000	mcookeesub1	01/25/2018 10:59:05.080	View		mcookeei	01/25/2018 11:05:40.427
EMAE	EELP	Active		06/18/2019	01/01/3000	mcookeelp	06/18/2019 09:15:32.837	View		mcookeei	06/18/2019 09:18:54.043
SCBP	PMPA	Terminated by Acting Entity		06/15/2016	01/01/3000	MFrazier	06/15/2016 12:46:50.417	View		RRCarbon	06/17/2016 06:44:14.823
SCBP	SLAW	Terminated by Acting Entity		06/15/2016	01/01/3000	senecaoati	06/16/2016 06:40:21.003	View		RRCarbon	06/17/2016 06:29:24.453
		Active	View	05/08/2012	01/01/3000	voorheesBHCT2	05/08/2012 10:10:26.640	View		voorheesBHPT2	05/08/2012 10:15:15.137
		Active	View	05/08/2012	01/01/3000	voorheesCLPT2	05/08/2012 10:13:30.840	View		voorheesBHPT2	05/08/2012 10:15:25.237

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New Delegation Close

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

Delegation Entry

Delegating Entity OAT2

Acting Entity Please select one...

Comment

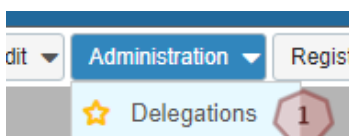
Effective Date 09/19/2021 01/01/3000

Enter

- 1 The Delegating Entity will be pre-populated with the user’s Entity name.

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- 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 on the “Enter” button to create and save the delegation.
- 6 Click on the “X” to close the display. The Delegation will not be created or saved.



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

Delegations

Status: ALL

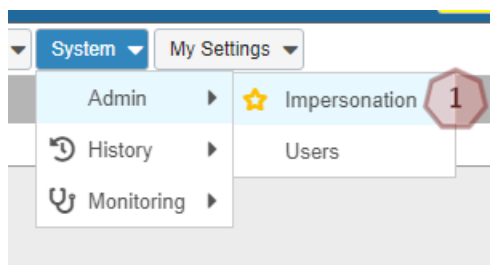
Effective Date: Today (09/27/2021)

Entity		Status	Comment	Effective Date		Creation		Confirmed/Cancelled			
Acting	Delegating			Start	Stop	User	Timestamp	Action	Notes	User	Timestamp
ECRE	FPWR	Pending		09/27/2021	01/01/3000	SGaynier	09/27/2021 13:24:49.557	View	1		

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- 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.

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- 1 To perform the data entry for a delegating entity, navigate to System > Admin > Impersonation. This will bring up the Impersonate Users display with a list of users from the delegating entity.

- 1 Click on the “Impersonate” link for an Entity Admin user from the delegating company.

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When a user is impersonating a user, the user being impersonated will show up on the top right of the user’s screen. The acting user will be able to make changes to entity, role(s), and objects belonging to the entity of the user being impersonated.



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- 1 Click on the “Stop Impersonation” button on the top right of the screen to stop impersonating the user.

11. Registry Management Menu

11.1 Delta Publications

The Delta Publication display shows a summary of changes for a given publication. At the time of publication, the system compares the state of each published data record with its state in the previous publication and identifies the changes.

To locate Delta Publications page, navigate to Registry Management > Delta Publications. Use the filtering options to filter for one publication, and the page will display all changes associated with the publication.

Delta Publications

Changed Publication: **ARCHIVE - 2951_20210903_S (09/03/2021)**
Original Publication: **ARCHIVE - 2950_20210902_S (09/02/2021)**

Object	Name	Changes	Attribute	Value		Publication	
				Old	New	Changed	Original
Control Zone	A1	Added				2951_20210903_S	2950_20210902_S
Control Zone	C10	Added				2951_20210903_S	2950_20210902_S
Entity	EGC1	Added				2951_20210903_S	2950_20210902_S
Entity	EGP1	Added				2951_20210903_S	2950_20210902_S
PSE	EGC1	Added				2951_20210903_S	2950_20210902_S
PSE	EGP1	Added				2951_20210903_S	2950_20210902_S
PSE	FPWR24	Modified	Expiration Date	08/31/2021	08/31/2022	2951_20210903_S	2950_20210902_S
PSE	UGC1	Added				2951_20210903_S	2950_20210902_S

09/19/2021 18:28:36 CST
Page 1 of 1
Records 1–10 of 10

Close

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11.2 Publication History

The Publication History display shows a summary of all registry publications (scheduled and unscheduled) along with links to corresponding data files.

To locate Publication History, navigate to Registry Management > Publication History.

Publication History

Effective Date: ALL

</

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Publication										
ID ▼	Code	Effective Date	Method	Version	Notes	Changes	User	Timestamp		
2969	2969_20210928_S	09/28/2021	Scheduled	PENDING		Changes	System	09/27/2021 00:00:02	Yes	View XML
2968	2968_20210925_S	09/25/2021	Scheduled	ACTIVE		Changes	System	09/24/2021 00:00:03	Yes	View XML
2967	2967_20210924_S	09/24/2021	Scheduled	ARCHIVE		Changes	System	09/23/2021 00:00:03	Yes	View XML
2966	2966_20210923_S	09/23/2021	Scheduled	ARCHIVE		Changes	System	09/22/2021 00:00:03	Yes	View XML

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1 To view the registry publication Extensible Markup Language (XML) files, click on the “View XML” link next to the registry publication that the user would like to view the XML files for.

Publication Version 2969_20210928_S
Effective Date 09/28/2021

1

NAESB EIR

ACA.xml

ASP.xml

BA.xml

BAAAdjacency.xml

ControlZone.xml

Entity.xml

ERO.xml

Interconnection.xml

MO.xml

PKICA.xml

PODPORAdjacency.xml

PORPOD.xml

Product.xml

PSE.xml

PseudoTie.xml

RC.xml

RRO.xml

SinkPODAdjacency.xml

SourcePORAdjacency.xml

SourceSink.xml

TransmissionPath.xml

TSP.xml

TSIN Registry
Files not available

Close Refresh

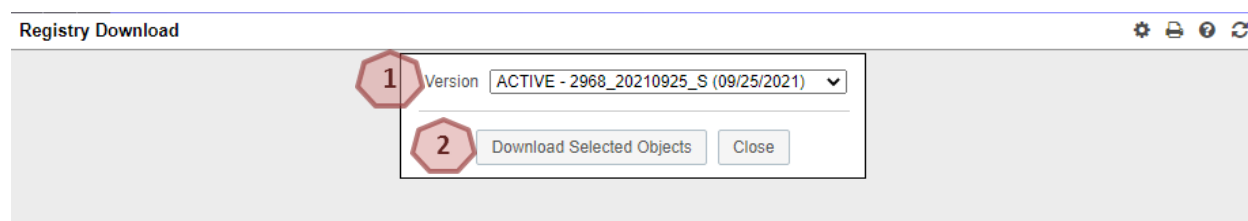
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- 1 Click on the individual XML file links to see the data inside the XML files.

11.3 Registry Download

This display will allow users to download data files associated with Registry publications in XML format. Downloads in CSV or MDB are no longer available.

To locate the Registry Download, navigate to Registry Management > Registry Download. To download selected objects:

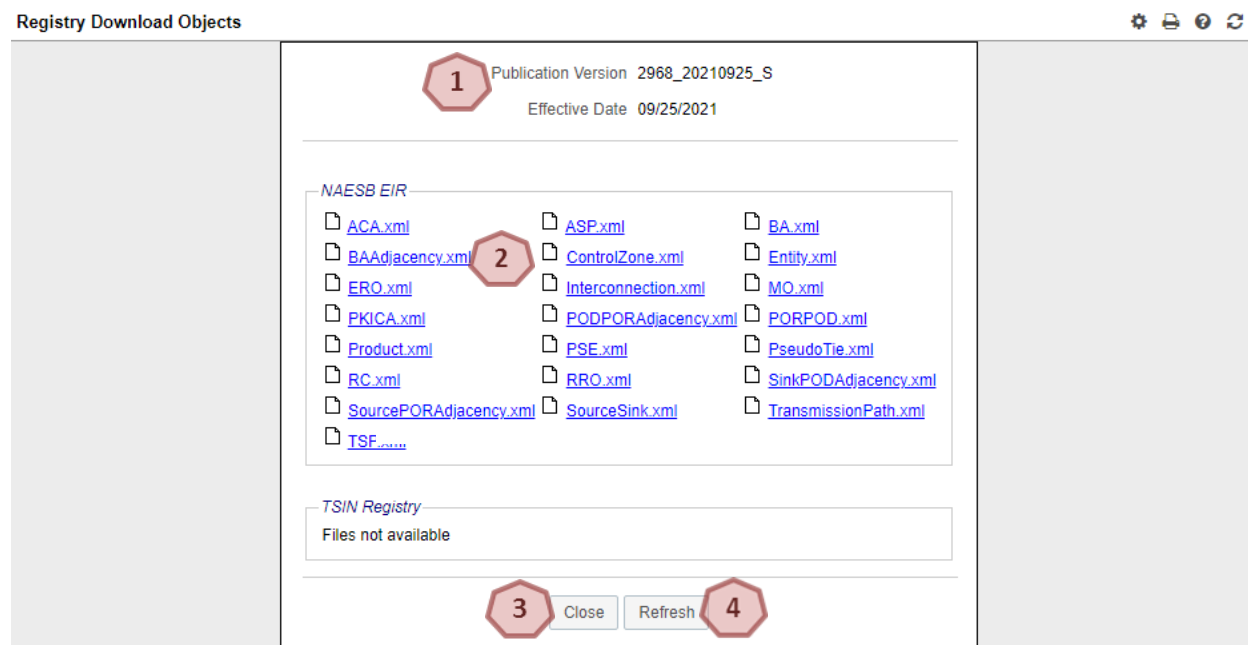


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- 1 Select the registry publication version.

- 2 Click on the “Download Selected Objects” button.

A window will open with the available XML files to download:



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- 1 The currently selected Publication Version, Effective Date, and file Download Format.



Click on the link associated to the file to download.



Click on the “Close” button to close the display. No download will take place.



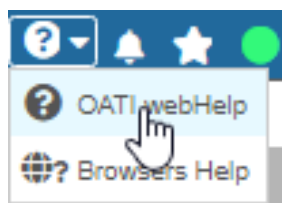
Click on the “Refresh” button to refresh the contents on the display.

12.Help Menu

12.1 webRegistry Online Help

For additional assistance with any display in the webRegistry system, click on the “webRegistry Online Help” link in the “Help” menu. The help console will offer topical information in a searchable format.

The question mark in the upper right hand corner of the display will also open the webRegistry Online Help console.



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12.2 Recommended Browser Settings

OATI webRegistry supports Internet Explorer 11 and Chrome. Associated documentation guides a user through recommended browser settings for the corresponding browser release.

To locate the recommended settings, navigate to Help > Recommended Browser Settings.

12.3 Registry Documentation

OATI webRegistry includes related documentation to assist users with the system.

NAESB EIR Documentation

Related Documents			
File Information			Description
Type	Size	Date	
Acrobat	2891 KB	11/05/2018	NAESB EIR User Guide
Acrobat	548 KB	11/05/2018	NAESB EIR Quick Start User Guide
Acrobat	1651 KB	10/25/2018	NAESB EIR Technical Guide
Acrobat	498 KB	10/25/2018	NAESB EIR Service Point Update Guide
Acrobat	251 KB	10/30/2012	NAESB EIR Terms and Conditions
Acrobat	603 KB	03/28/2020	NAESB EIR TLS 1.2 Browser Settings

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To locate documentation, navigate to Help > Registry Documentation.

13. System Menu

13.1 Users

All users must present a valid and unique PKI-compliant security certificate to access webRegistry. Certificates may not be linked to more than one user, and generic multi-user certificates are not supported or allowed.

Users' ability to view and change data in webRegistry is derived from user roles assigned to them. The following user roles are supported in webRegistry:

- Entity Administrator
- Registry User

Entity Administrators will create new accounts for users in their entities and assign proper roles to them at creation. They will also perform payment of annual dues and have permissions to create, modify and remove the Entity's data in the system. Registry Users have permission only to view an Entity's data.

To locate users, navigate to System > Admin > Users.

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Administrator Users can view who is online in the webRegistry system from their company through the Active User Summary display.

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The Alarms History displays all alarms issued by webRegistry for a given user.

To locate alarms history, navigate to System > History > Alarm History.

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14.My Settings Menu

14.1 Alarm Settings

OATI webRegistry provides user-designed notification management. The system issues notification alarms to Users based on their roles. Users can individually select which of the role-specific alarms they would like to receive, and in what form. webRegistry supports different forms of notification delivery, and all issued notifications are recorded in the Audit Trail.

14.1.1 Active Alarms

The Active Alarms icon indicates unacknowledged alarms for a given user. Bulk and individual alarm acknowledgment can be performed on this display.



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1 To locate active alarms check the top left of the application bar for the bell icon. If you hover over, it will display “Alarms”.

14.1.2 Alarm Settings

The Alarm Subscriptions displays a list of a given user’s subscriptions. New subscriptions can be added or removed on this display.

To locate alarm subscriptions, navigate to My Settings > Alarm Settings.

Alarm Subscription Summary

🔍 📄 ⚙️ 📧 📱 📄 📄 📄

Subscribe	Alarm Type N...	Description	Delivery Method	Alarm Preview	Sound Na...	Res...	User Email	User P...	Cellph...	Is Priority
Group Name : Default										
☒	Approval Actio...	Approval Action...	Email	Approval Action Nee		☐	carlan.luon...	(763)20...		☐
☒	Changes Appr...	Changes has be...	Email	Changes Approved		☐	carlan.luon...	(763)20...		☐
☒	Changes Denied	Changes has be...	Email	Changes Denied		☐	carlan.luon...	(763)20...		☐
☒	News	Alarm when ne...	Email	News		☐	carlan.luon...	(763)20...		☐
☒	Object Expiration	Notification for...	Email	Object Expiration		☐	carlan.luon...	(763)20...		☐
☒	Object Expirati...	Notification for...	Email	Object Expiration by		☐	carlan.luon...	(763)20...		☐
☒	Scheduled Re...	Alarm that is trig...	Email	Scheduled Registry		☐	carlan.luon...	(763)20...		☐
☒	Unscheduled...	Alarm that is trig...	Email	Unscheduled Regist		☐	carlan.luon...	(763)20...		☐

1

09/19/2021 17:52:14 CST

| Displaying 8 Record(s)

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1 To subscribe or unsubscribe to an Alarm, select on the alarm which will open the Alarm Subscription Entry.

Alarm Subscription Entry



Basic Information

Alarm Subscription Details

Alarm Type Name: * News

Subscribe: ☒ 1

Is Priority: ☐ 2

Delivery Method Details

Delivery Method: * Email 3

Alarm Subject: * News

Background Color: ffffff

Text Color: 000000

Allow HTML: ☒

Description: Sans-serif | **B** | *I* | U | T⁺ | T^{*} | I |

Alarm when new News item is created or modified

Restricted User Interface: ☐

Apply Style to Group: ☐

— > User Details —

4



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- 1 Then uncheck or check the Subscribe box and proceed to save the preferred setting.
- 2 Selecting Is Priority makes it a High Importance email as applicable.
- 3 Customized how to receive the alarm.
- 4 Hit “Save” to save the alarm.

14.2 My News

The News inbox display is a bulletin for webRegistry users. News items are posted by Registry Administrators and NAESB users. News items can include such topics as upcoming trainings, updates to the system, or any information to be disseminated to the large group of registered industry users.

This page is accessible from the top right of the display by clicking on the News Inbox icon or can be accessible by My Settings > My News.



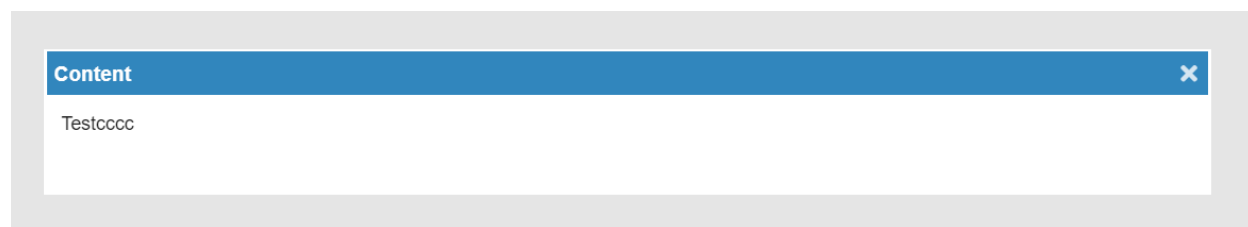
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My News				
Filtered By: Notification Time: Date Range (08/20/2021 - 09/19/2021) x				
Header	Content	Acknowledgement...	Notification Time	Acknowledge Time
test 4	View	true	09/07/2021 19:51:59	09/08/2021 06:55:18

1

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- 1 Click on the content “View” to see the contents of the news item.



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14.3 Change Password

Users can also change their passwords through the Change Password display. To locate this display, navigate to My Settings > Change Password. Passwords can be changed at any time, but must be changed at least every 180 days. Password criteria is listed on this display.

Change Password

1. Password length: minimum 8 characters and maximum 30 characters.
2. Must contain all four character types:
 - Lower case letters: a-z
 - Upper case letters: A-Z
 - Numbers: 0-9
 - Special characters: `~!@#\$%^&_+=[]{};:.,/<>?
3. The following special characters cannot be used: space, single quote ('), double quote ("), pound sign (#), asterisk (*), ampersand (&), and pipe (|).
4. Must be different from the last 8 passwords.

Current Password:

New Password:

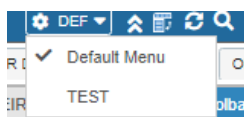
Confirm New Password:

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14.4 Toolbar Settings

The Toolbar settings is a display used to create a loading custom menu toolbar by clicking on the Def gear icon on the top left of the application. There will be a Default Menu setting for the Toolbar and ones the user can customize.



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Toolbar Summary

Name	Short Name	Is Active	Is Shared
TEST	test	Yes	No

Selected Folder(s)

- EIR Dashboard
- Entities

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15. Registry Publication Schedule

A pending registry is published at 12:00 AM CST and becomes effective at 12:00 AM CST the following day. For example, a pending registry published at 12:00 AM CST Tuesday becomes effective 12:00 AM CST Wednesday. There are a few exceptions:

1. A pending registry is never published on weekends (Saturday and Sunday). A pending registry is only published on weekdays (Monday through Friday). This means that a new registry never becomes effective on Sunday and Monday.
2. A pending registry never becomes active on a day that NAESB has registered in webRegistry as a holiday. However, a pending registry is published on a holiday. For example, Thanksgiving always falls during the work week on a Thursday. So, there will be no pending registry published at 12:00 AM on Wednesday to be effective 12:00 AM on Thursday. However, a pending registry will be published on 12:00 AM Thursday to be effective 12:00 AM Friday.

Note: Emergency publications are exempt from the above rules, and may be published at any time.