



RIOO Workshop – Creating and Updating SODGs

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Agenda

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Antitrust Admonition

- To avoid raising concerns about antitrust liability, participants in ERCOT activities should refrain from proposing any action or measure that would exceed ERCOT's authority under federal or state law. For additional information, stakeholders should consult the [Statement of Position on Antitrust Issues](#) for Members of ERCOT Committees, Subcommittees, and Working Groups, which is posted on the ERCOT website.

Introduction – What is RIOO and who should attend this workshop?

- RIOO is the Resource Integration & Ongoing Operations application that has replaced the Resource Asset Registration Forms (RARFs) for Settlement Only Distribution Generator (SODG) registrations
- **ERCOT will no longer accept SODG registrations using RARFs**
 - RIOO is now the required submission format
 - Exceptions may apply if there are technical issues or design limitations found in RIOO

Introduction – What is RIOO and who should attend this workshop?

- Resource Entities (REs) who represent SODGs should have staff members responsible for managing their SODG registrations attend this workshop
- We will demonstrate how to access and use RIOO
 - But, we will not be discussing market-related reasons for registering an SODG into the ERCOT model
 - Note that all examples will use fake test data

Getting started – Setting up a RIOO user account

- Users must set up an account, which includes adding the RIOORS_M_Operator role to their ERCOT digital certificate
- The RIOO login uses a multifactor authentication (MFA) app
- See the **RE Sign Up Guide** on the [Resource Integration webpage](#)
- Previously, RARFs had to be submitted by either the Authorized Representative (AR) for the RE or the back-up AR
 - RIOO user accounts will allow anyone given access by the RE through their digital certificate to submit registration information on the RE's behalf
 - Access will be managed by the RE's User Security Administrator (USA)

Documentation – RIOO user guides

- User guides specific to managing SODG registrations are posted on the [Distributed Generation webpage](#) and on the workshop calendar page ([RIOO Workshop – Creating and Updating SODGs](#))
 - RIOO User Guide – Creating a New SODG
 - RIOO User Guide – Updating an Existing SODG
- Note that these guides may be updated often as the use of RIOO matures and the application continues to evolve
 - ERCOT will learn more as we use RIOO to process SODG registrations
 - Users will be a great source of feedback for improving the application

Action item for REs – Verify existing data in RIOO

- REs are highly encouraged to verify their existing SODG data in RIOO
- ERCOT anticipates that there will be some issues with the data migration from the RARF database to the new RIOO database
 - Some older SODGs may have outdated registration information that doesn't align with the most recent RARFs, which could result in data errors
 - Some SODGs may have inaccurate data in RIOO or may not have been migrated to RIOO at all
- We will demonstrate how to view existing data for verification
- Notify the Demand Integration team (ERCOTLRandSODG@ercot.com) if you notice any data issues

RIOO tutorial – Creating a new SODG

2 important changes to note:

1. There is now a \$5,000 fee to register a new SODG per the [ERCOT Fee Schedule](#); this fee was deferred for the last year until the payment processing was available in RIOO
 - No fee for updating an existing SODG (subject to change per [NPRR1153](#))
2. Demand Integration will now be able to coordinate a Production Load Date (PLD) that is as few as 45 days after the registration is submitted
 - Please use this email address for coordinating PLDs and for general SODG registration questions (ERCOTLRandSODG@ercot.com)

RIOO tutorial – Creating a new SODG

A couple of ways to access the RIOO application login screen....

The screenshot shows the ERCOT website interface. At the top right, there are links for 'MIS LOG IN' and a search bar. The main navigation menu includes 'About ERCOT', 'Services', 'Committees and Groups', 'Market Rules', 'Market Information', and 'Grid Information'. A dropdown menu for 'Market Participants' is open, listing 'EMIL', 'MIS Log In', 'RIOO Log In' (which is highlighted with a red box and a mouse cursor), and 'Renewable Energy Credit'. Below the navigation, a large banner features the text 'We manage the flow of Texas' power' and three statistics: '90% of Texas power load', '1,030+ power generation units', and '52,700+ miles of transmission lines managed and monitored'. The bottom section contains three data panels: 'Supply and Demand' (Last Updated: Jan 10, 2023 14:15 CT) with a line chart showing supply and demand trends; 'Grid Conditions' (Last Updated: Jan 10, 2023 14:19 CT) with a green gauge showing 'OPERATING RESERVES: 7,271 MW'; and 'Combined Wind and Solar' (Last Updated: Jan 10, 2023 13:55 CT) with a line chart showing wind and solar generation over a 24-hour period.

RIOO tutorial – Creating a new SODG

....or scroll to the bottom of any page on ercot.com

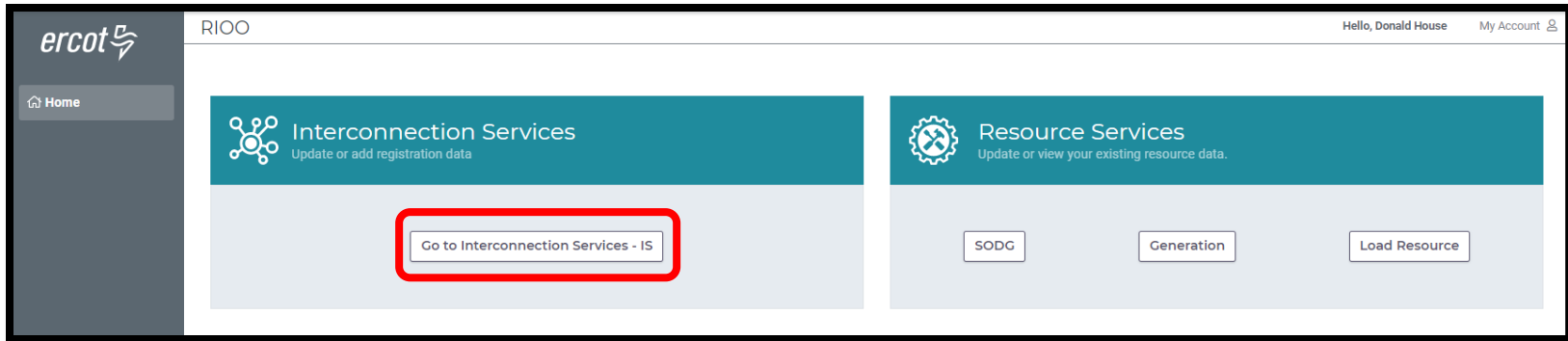
The screenshot displays the footer of the ERCOT website, which is dark blue with white text. It is organized into several columns of links:

- About ERCOT**
 - Services
 - Committees & Groups
 - Market Rules
 - Market Information
 - Grid Information
 - Market Participants
- Contact Us**
 - Glossary
 - Careers
 - Locations
 - Calendar
- Quick Links**
 - Ethics Point
 - Operations Messages
 - Project Status
 - Service Level Agreements
 - MIS Applications
 - Grid and Market Conditions
 - Resource Integration & Ongoing Operations – Resource Services** (highlighted with a red box)
- STAY CONNECTED**
 - SOCIAL**
 - Facebook, Twitter, LinkedIn, YouTube, RSS icons
 - News & Press**
 - Mailing Lists
 - News & Publications

At the bottom of the footer, there is a copyright notice: "© 1996-2022 Electric Reliability Council of Texas, Inc. All rights reserved." and a row of links for "Sitemap", "Terms of Use", and "Privacy". The ERCOT logo is positioned in the bottom right corner of the footer area.

RIOO tutorial – Creating a new SODG

Let's create a new SODG



Interconnection Services is used to create a new SODG

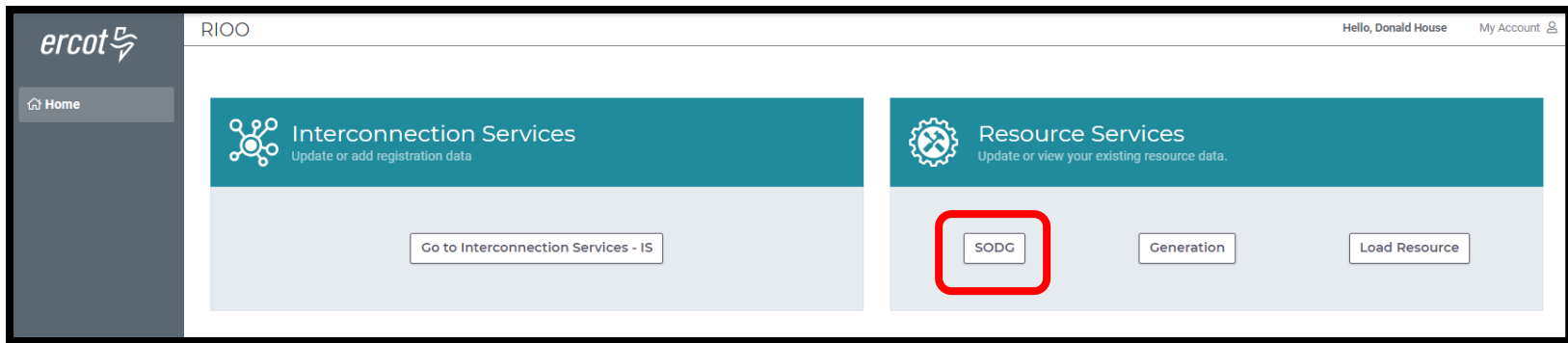
RIOO tutorial – Updating an existing SODG

2 important things to note:

1. Once a Change Request (CR) is submitted for an SODG, no other CRs can be submitted for that same SODG until the in-progress CR is effective in the production Network Model
 - This restriction prevents conflicting changes that couldn't be validated against an unknown model state
2. When a CR is submitted to stop an SODG, no other CRs can be created for that same SODG
 - If a mistake is noticed before the PLD, the RE can contact Demand Integration to request for the CR to be canceled

RIOO tutorial – Updating an existing SODG

Let's update an existing SODG



Resource Services is used to update an existing SODG

- 2 examples:
 - Update mapping information for an SODG
 - Stop an SODG

Questions – Contact info for interface issues or user suggestions

- Any functionality issues or suggestions for improvements can be sent via email to RIOO-Help@ercot.com
 - Significant updates to the application will be communicated through market notices
 - User guides will be updated, as needed
- RIOO users can also contact their assigned Account Manager or the Demand Integration team (ERCOTLRandSODG@ercot.com) for assistance
 - Let us know if you see issues with your existing SODG data

Reminder – RIOO workshop for Load Resources on January 19

- Holding a similar workshop tomorrow, January 19 (2:00 – 4:00 pm)
- Intended for REs who represent Load Resources (LRs)
 - The same format will be used: demonstrate creating a new LR and updating an existing LR
- Presentation and user guides from today's workshop are posted on the calendar page ([RIOO Workshop – Creating and Updating SODGs](#))