



Member Impacting Project Overview:

Engineering Data Submission Tool (EDST) Release 2023.1.0.0

Document Version 1.0



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Version Control

Version	Date	Author	Change Description
1.0	4/27/23	Project Team	Initial version

Executive Summary

The Engineering Data Submission Tool (EDST) is the online application for model development (MD) and resource adequacy (RA) data submissions to meet NERC Standards (MOD-31-01, MOD-32-01), Integrated Transmission Planning requirements, and SPP Tariff Attachment AA.

The 2023.1.0.0 release of EDST enables submission of winter data needed to facilitate identification of resource deficiency payments.

In this document, the term “members” refers to any entities submitting data to the EDST.

Business Impact

The processes for the annual SPP data submissions for resource adequacy are the impacted business areas.

Affected?	Services Impacted by Changes
Yes	Eastern Interconnection
No	Western Reliability Coordination
No	Western Energy Imbalance Services Market

Users Impacted

The members impacted include RA entities, which are Market Participants, Load Responsible Entities, or Generator Owners, required to submit data for NERC Standard MOD-031-2 and SPP Tariff Attachment AA.

Business Functions Impacted

Business functions impacted include data submissions for resource adequacy.

Technical Impact

There are no programming impacts to the members for this project.

EDST release 2023.1.0.0 will implement enhancements for which SPP staff will provide information in the member testing kickoff materials and during the EDST member unstructured testing period.

SPP Systems/Processes Impacted

The purpose for EDST release 2023.1.0.0 is to implement feature enhancements that will enable submission of winter data elements.

No other systems are impacted.

Anticipated Member Systems/Processes Impacted

There are no known member systems impacted by this project.

Member Requirements

No system changes are required, although member processes may need to be revised to provide the new data elements. SPP staff strongly encourage members to participate in the unstructured testing.

Here are general areas of design changes that members will see reflected in the updated system:

- Changeset functionality removal on multiple pages
- Validations message structure and displays
- Report front-end and report type selections
- Rollover capabilities
- Home screen look and feel

Testing

SPP requests that application users participate in the testing due to changes and new elements added in this release. Testing information will be posted in the project folder and correspondence managed through the Request Management System (RMS).

Testing assumptions:

- All entities should have conducted connectivity testing to the appropriate member test environment (MTE). This project timeline will not include connectivity testing.
- Members participating in the testing are knowledgeable of the tool.

Training

Training assumptions:

- The need for formal training is not expected on the updates to the user experience for submitting data elements.
- All data submitting companies will identify personnel to receive any project-related documentation.

Implementation/Back-out Plan

Production Environment [PROD]:

- EDST Database (DB) – Staff will establish a backup for the EDST DB before it is made unavailable. This will allow technical staff to restore from the most recent data should something go wrong during the upgrade.
- Scripts run against the EDST DB
- Code pushed to server and IIS changes

Production Implementation Plan:

- Six weeks prior to implementation to production, SPP staff will coordinate efforts to notify members of the upcoming release of EDST 2023.1.0.0
- EDST will be unavailable to users for approximately one hour on the morning of 07/11/2023
- Upon completion of the upgrade, SPP staff will communicate notifications to the Change User Forum (CUF) and the user distribution lists as needed
- After the release is implemented on 07/11/2023, SPP will unlock the site in accordance with the EDST calendar for open windows for data submitters

Back-out Plan:

- In the event that the release needs to be backed out, the project team will roll production back to the most recent release of the EDST application and restore the database from the backup

Summary of Timeline

Date	Responsible Party	Action
Complete	SPP	Requirements Approved, Design, Build
11/01/2022-06/16/2023	SPP	SPP development and internal testing
06/13/2023, 1:00 pm Central Time	Member / SPP	Member Testing Kickoff: EDST RELEASE 2023.1.0.0
06/19/2023 - 06/30/2023	Member / SPP	Member unstructured testing phase; SPP testing support
07/11/2023	SPP / Member	Implementation to production

Project Assumptions

This project has no current assumptions.

Risks

This project has no current risks.

Additional Documentation

Any additional documentation created for the project will be located in the [CUF Project Information folder for EDST Release 2023.1.0.0](#) on spp.org.

Communication Plan

Staff will provide information about the project in each CUF meeting for the life of the project.

MIPO and Project Documentation

All project communication and information will post to the SPP [CUF Project Documentation folder](#) on spp.org: **EDST Release 2023.1.0.0**.

Staff will update this MIPO upon change or with any new information, and according to the Member Project Touch Points and Deliverables. With any update, a redline version will be posted to the project documentation folder, and the CUF will be notified.

Next Steps

Action	Assignee	Status & Due Date
User unstructured testing in MTE	Data submitters	06/19/2023-06/30/2023

FAQs

Frequently asked questions will be added to the document as identified or necessary

Question	Origination	Answer

More Information

At any time, members can ask questions by submitting an RMS ticket using "Submit an Inquiry" from the Request Template dropdown menu, then select "Projects / Initiatives" from the Subtype 1 menu, followed by EDST Testing from the Subtype 2 menu.

Submit Request

Request Template:

Request Status:

* Request Type:

* Subtype 1:

* Subtype 2:

* Subtype 3:

* Subtype 4:

* Subject:

System Reference #:

RMS link: <https://spprms.issuetrak.com/login.asp>

A new user ID may be requested for RMS by clicking on the link to the login and following the directions for "Register Now."