



Member Impacting Project Overview:

Engineering Data Submission Tool (EDST) Release 2022.4.1

Document Version 1.0



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Version Control

Version	Date	Author	Change Description
1.0	09/30/2022	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 2022.4.1 release of EDST prioritizes enhancements to support the planning reserve margin (PRM) requirement increase. This release also applies enhancements and fixes for both model development (MD) and resource adequacy (RA). SPP plans to implement 2022.4.1 to production on 12/01/22. This release contains both member-impacting and member-facing changes.

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 Model Development and Resource Adequacy are the impacted business areas.

Affected?	Services Impacted by Changes
X	Eastern Interconnection
	Western Reliability Coordination
	Western Energy Imbalance Services Market

Users Impacted

The members impacted include RA entities, who are Market Participants, Load Responsible Entities, or Generator Owners, required to submit data for NERC Standard MOD-031-2 and SPP Tariff Attachment AA. MD processes impact Interconnection Customer and Transmission Owners within the SPP Planning Coordinator (PC) footprint in accordance with NERC standard MOD-032 and the SPP Open Access Transmission Tariff (OATT).

Business Functions Impacted

Business Functions impacted include data submissions for resource adequacy and model development.

Technical Impact

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

The EDST release 2022.4.1 will provide several enhancements and fixes that SPP staff will provide information on in the member testing kick off materials and during the EDST member-testing period.

SPP Systems/Processes Impacted

The purpose for EDST release 2022.4.1 is to address feature enhancements and provide the updates for PRM. This release will also include enhancements to MD and RA.

No other systems are impacted.

Anticipated Member Systems/Processes Impacted

There are no member systems impacted by this project.

Member Requirements

No system changes are required. SPP Staff requests members participate in the testing.

Testing

SPP requests that application users participate in the SPP facilitated testing due to changes provided in this release. Testing information will be posted in the project folder and correspondence held through the 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.
- All data submitting companies will identify personnel to receive any project-related training and/or documentation.

Implementation/Back-out Plan

Production Environment [PROD]:

- EDST Database (DB) – A backup will be established 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 2022.4.1
- EDST will be unavailable to users for approximately one hour on the morning of 12/1/2022
- 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 12/1/2022, 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
Current - 11/04/2022	SPP	SPP development and internal testing
11/07/2022, 9:00 am Central Time	Member / SPP	Member Testing Kick-off: EDST RELEASE 2022.4.1
11/07/2022 - 11/18/2022	Member / SPP	Member Testing phase; SPP testing support
12/01/2022	SPP / Member	Implementation to production

Project Assumptions

No assumptions have been identified.

Risks

No project risks have been identified.

Additional Documentation

Any additional documentation created for the project will be located in the [CUF Project Information folder for EDST Release 2022.4.1](#) on spp.org.

Communication Plan

Information about the project will be provided in each CUF meeting for the life of the project, either through a written report or presentation.

MIPO and Project Documentation

All project communication and information will be posted to the SPP [CUF Project Documentation folder](#) on spp.org: **EDST Release 2022.4.1**.

This MIPO will be updated 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 structured testing in MTE	Data submitters	11/07/2022 – 11/18/2022

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 the appropriate Project / Initiative selection from the Subtype 2 menu (EDST 2022.4.1).

Request Template:

Submit Date: mm/dd/yyyy

Time: :

* Class:

Request Status:

* Request Type:

* Subtype 1:

* Subtype 2:

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."