



Member Impacting Project Overview:

Engineering Data
Submission Tool (EDST)
Release 2.0
V3.1



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Version Control

Version	Date	Author	Change Description
1.0	03/18/2019	D. Giessmann	Initial version
2.0	05/22/2019	B. Fite	Updates to Technical Impact, Summary of Timeline
3.0	6/24/2019	B. Fite	Updates to Implementation Plan
3.1	7/11/2019	B. Fite	Update to production date

Executive Summary

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

The Engineering Data Submission Tool (EDST) is the online application for Model Development and Resource Adequacy data submissions to meet NERC Standards (MOD-31-01, MOD-32-01), Integrated Transmission Planning requirements, and SPP Tariff Attachment AA. The 2.0 release of EDST addresses enhancements and defect fixes, including an updated dashboard, and bulk upload capability.

Business Impact

The annual SPP data submissions for Model Development and Resource Adequacy (RA) processes are the impacted business areas.

Users Impacted

The resources impacted include Model Development entities required to submit modeling data for NERC Standard MOD-032, and Resource Adequacy entities, who are load asset-owning 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 Model Development and Resource Adequacy.

Technical Impact

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

The EDST 2.0 dashboard will provide notifications and due dates for actions needed by data submitters. The enhanced dashboard will also provide one location for compliance notifications between SPP and data submitters related to Model Development and Resource Adequacy submission processes as well as set reminders for due dates. A forum for communicating any questions related to a submission requirement or milestone will be available. The entity can use the forum instead of sending multiple emails.

Data submitters will be able to upload spreadsheets instead of using the User Interface for the following screens for Resource Adequacy:

- Resource Ownership
- Purchases and Sales

Data submitters will be able to upload spreadsheets instead of using the User Interface for the following screens for Model Development:

- Branches
- Branch Outages
- Bus Details
- Bus Outages
- Fixed Shunt Outages
- Generator Outages
- Generators
- Switched Shunt Outages

- Transformer 2 Winding Outages
- Transformer 3 Winding Outages
- Two Terminal DC Ties
- Two winding transformers
- Three winding transformers
- Transactions

Note: The UI framework for the EDST web site has changed, however the functionality and features are the same. The layout is the same with a slight difference in look.

SPP Systems/Processes Impacted

The Engineering Data Submission Tool will be enhanced to provide an improved dashboard, and to allow uploads to multiple Modeling and Resource Adequacy screens.

Anticipated Member Systems/Processes Impacted

There are no member systems impacted by this project.

Member Requirements

No system changes are required.

Testing

Testing Assumptions:

- All entities should have already conducted connectivity testing to the appropriate Member Test Environment (MTE). This project timeline will not include connectivity testing.
- Entities participating in the testing are trained on the systems they are testing.

Training

Training Assumptions:

- All data submitting companies will identify personnel to receive project-related training and/or documentation.
- Training will be provided by Model Development and Resource Adequacy Subject Matter Experts

Implementation/Back-out Plan

Production Environment [PROD]

- EDST 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

- MDWG will lock the site and notify Data Submitters of the closing of the site for 2019 Submittal Year edits (RA Data Submitters are currently out of the system)
- On 6/26/19, implement Rollover fixes (RA Rollover will occur before October 1st when the RA 2020 Submittal Year edits begin)
- On _7/17/2019_, the upgrade will begin at approximately _9:00_ am CDT
- Estimated to be unavailable for up to an hour
- Upon completion of the upgrade, notifications will be sent to CWG and the distribution lists

- On 7/19/19 MDWG will unlock the site for the model data edits to begin as planned.

Back-Out Plan

- If the release must be backed out, the project team will roll Production back to EDST Release 1.2.

Summary of Timeline

Date	Responsible Party	Action
2/1/2019-4/1/2019	SPP	Requirements Approved, Design, Build
4/1/2019-4/30/2019	SPP	SPP internal testing
– 5/1/2019	SPP / Member	Testing Kickoff and Training (web conference)
5/13/2019-6/21/2019	Member	Member Testing phase
June 5, 2019	SPP / Member	EDST Release 2.0 Testing Checkpoint Meeting
June 12-13, 2019	SPP/ Member	Face-to-Face MDWG Engineering Tools training, including EDST
7/17/2019	SPP	Implementation

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 CWG Project Information folder for EDST Release 2.0 on spp.org.

Communication Plan

Information about the project will be provided in each CWG 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 Change Working Group Project Documentation folder: <https://www.spp.org/spp-documents-filings/?id=186804>

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 CWG will be notified.

Next Steps

Action	Assignee	Status & Due Date
Project Closeout	SPP	August 9, 2019

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 or get more information by completing an RMS ticket using "Project Inquiries" Quick Pick and this project's subject option.

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

If a new user ID is needed for RMS, click on that link and follow the directions for "Register Now".

Welcome to Southwest Power Pool's Request Management System (RMS)

Submit Request

Submit Request

Quick Pick: ▼

* Class: ▼

Request Status: ▼ ▼

This Request is used to submit an inquiry regarding current SPP Projects.

Do NOT change Request Type. Doing so will delay a response to your inquiry.

In **Subtype 1** select the appropriate project. Your selection ensures timely assignment of your inquiry to the appropriate project owner.

* Request Type: ▼

* Subtype 1: ▼

Subtype 2: ▼

Severity: ▼ descriptions