

Member Impacting Project Overview

TCR Release 4.2

Version 1.21

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Version Control

Version	Date	Author	Change Description
1.0	01/07/2021	Andrew Cherry	First Draft
1.1	02/16/2021	Andrew Cherry	Updated links to API specs
1.2	03/05/2021	Scott Maple	Updated dates for member unstructured testing and implementation; performed minor cleanup on synopsis

Executive Summary

In this document the term “members” refers to any and all stakeholders which could include market participants (MPs), members, customers, transmission owners, vendors, etc.

TCR Release 4.2 is a member-impacting release that will include updates to address one member-impacting enhancement that will require API changes and one member-facing defect.

- Remove MP name from existing TCRs and auction results only between first and second rounds; after Round 2, all MP names will update in the Round 1 and Round 2 public files**
 This is a member-impacting enhancement requested by the Market Working Group. It will help protect individual market participants’ intellectual property.
- Add validations on auction portfolio name**
 This is a member-facing defect that inhibits the market participant’s efforts to accurately verify portfolios for submission on the portfolio editor page. The solution is to issue an error if the portfolio name contains a tab, comma, single quote, double quotes, forward slash, backslash, ampersand, or colon.

Business Impact

TCR Release 4.2 is a member-impacting release that addresses a system enhancement and a defect.

ID	Member Impacting/ Facing	Issue Type: Enhancement/ Defect	Synopsis
ITTCR-351	Impacting	Enhancement	Market Participants column name in the Existing TCR and public results files on the TCR MUI will be removed after Round 1 posting and all MP names will update in the Round 1 and Round 2 public files after Round 2 posting
ITTCR-337	Facing	Defect	Market participant may not be able to accurately verify portfolios for submission on the portfolio editor page

Affected?	Services Impacted by Changes
Y	Eastern Interconnection (Integrated Marketplace)
N	Western Reliability Coordination
N	Western Energy Imbalance Services Market

Users Impacted

The following list indicates which MPs will be impacted by the enhancement and defect fix.

- ITTCR-351** All MPs are impacted by this change

- **ITTCR-337** All MPs are impacted by this change

Business Functions Impacted

The following list indicates which business functions will be impacted by the enhancement and defect:

- **ITTCR-351** Public Existing TCR and Public Auction Results reports are impacted by this change; Market APIs are also impacted
- **ITTCR-337** Portfolio submissions in the TCR MUI are impacted by this change

Technical Impact

This release contains updates to the TCR MUI as well as the TCR APIs. MPs with an application that uses downloads from the TCR MUI or calls the APIs will need to evaluate whether these applications need to be updated. The changes being made are listed below.

SPP Systems/Processes Impacted

SPP and Member Systems/Processes Impacted

- **iHedge TCR application including the TCR MUI**
 - Remove MP name from existing TCRs and auction results only between first and second rounds; after Round 2, all MP names will update in the Round 1 and Round 2 public results files
 - An error message will be issued if the portfolio name contains a tab, comma, single quote, double quotes, forward slash, backslash, ampersand, or colon
- **Market APIs**
 - Market Participants column will be removed from the Existing TCR and public results files

Anticipated Member Systems/Processes Impacted

This release contains updates to the download functions in the MUI as well as updates to the APIs that are available to call. Any system that an MP uses to download information or call our APIs may need to be updated to accommodate the changes listed in the above section.

Member Requirements

MPs will need to update their systems and processes to account for the changes associated with the system enhancement. They will have the opportunity to test changes to the TCR APIs and MUI in the MP-facing test environment (MTE).

For more details on testing, reference the Testing section of this document below.

Anticipated Member Systems/Processes Impacted

- **TCR MUI**
 - After Round 1 posting in a two round Monthly TCR Auction, when market participants download the Existing TCR and public results files, the Market Participant name in the column will not exist. After Round 2 posting, the Market Participant name will update for Round 1 and Round 2 results.
 - When market participants upload a portfolio with the name containing a tab, comma, single quote, double quotes, forward slash, backslash, ampersand, or colon, an error will be issued.

- **API**
 - **XSD:**
 - Please refer to SPP Systems/Processes Impacted above.
 - A link to the new API information is available at: <https://spp.org/spp-documents-filings/?id=21071>.
 - **XML:**
 - Please refer to SPP Systems/Processes Impacted above.
 - A link to the new API information is available at: <https://spp.org/spp-documents-filings/?id=21071>.

Testing

TCR Release 4.2 will be installed in MTE for testing on ~~04/01/2021~~[05/10/2021](#). Unstructured member testing will be conducted ~~04/02/2021~~[05/11/2021](#) to ~~04/16/2021~~[05/24/2021](#).

Testing assumptions:

- All MPs should have already conducted connectivity testing to the appropriate Integrated Test Environment. This project timeline will not include connectivity testing.
- MP staff who are participating in the testing are trained on the systems they are testing.
- Project liaisons will be responsible for coordinating testing at their company and for reporting back to SPP on testing progress or issues.

Training

No additional training will be provided.

Implementation/Back-out Plan

Implementation of this release will require a brief outage while the application is restarted. Should this release adversely affect the iHedge software, the application will be reverted to the previous version.

Summary of Timeline

Date	Responsible Party	Action
02/16/2021	SPP	Publish MP requirements via MIPO revision
02/16/2021	SPP	Publish MP specifications if necessary via MIPO revision
04/02/2021 to 04/16/2021 05/11/2021 to 05/24/2021	Member	MP testing phase
05/03/202106/22/2021	SPP / Member	Implementation

Project Assumptions

- Both the enhancement and the defect will be tested by all market participants.

- API changes will only be tested by market participants utilizing TCR Market APIs.

Risks

If TCR Release 4.2 does not go into production:

- MPs will be able to view the Market Participant column in the Existing TCR and public results files.
- MPs will not be aware of errors in portfolio names.

Additional Documentation

Nothing at this time.

Communication Plan

All project materials and information will be posted to the TCR Release 4.2 [project folder](#). Monthly updates will be provided via written status report or presentation to the Change User Forum (CUF).

Liaisons

The project requests project liaisons to perform the following functions during the project timeline:

- Provide feedback on MIPOs
- Review project documentation and provide feedback
- Facilitate internal member review of MIPOs, documentation and presentation materials
- Assess milestones and deliverables for feasibility
- Serve as the main point of contact between SPP and member organization
- Review project status and provide the member’s organization status
- Coordinate member implementation and testing efforts
- Represents the member’s interest on the project team

MIPO and Project Documentation

All project communication and information will be posted to the SPP Change User Forum Project Documentation folder, TCR Release 4.2 [project folder](#).

This MIPO will be updated with any new information, 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
Send project communication and identify liaison at member companies as necessary	CUF Staff Secretary	
Response due	CUF Representative	

MIPO review meeting	Project Team/ Liaison	
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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 completing an RMS ticket using the "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."

* Request Type: ▼

* Subtype 1: ▼

Subtype 2: ▼