



Member
Impacting
Project Overview:

TCR Release 2.11

Version 1.2

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Version Control

Version	Date	Author	Change Description
1.0	07/31/17	Erica Brooks	Initial Draft
1.1	9/28/2017	Micha Bailey	Added information for defect 767
1.2	10/12/2017	Erica Brooks	Changed the implementation date

1. Executive Summary

In this document the term “members” refers to any and all stakeholders which could include Market Participants, Members, Customers, Transmission Owners, Vendors, etc.

TCR Release 2.11 is a Member Impacting release that will include updates to address two member impacting/facing defects, which will include API changes.

2. Business Impact

TCR Release 2.11 is a Member Impacting release that will include updates to address system defects. The Member Impacting/facing defects are listed below:

ID	Member Impacting/Facing	Issue Type: Enhancement/Defect	Synopsis
756	Impacting	Defect	XSD and MUI download fixes
753	Facing	Defect	The Last Modified field for the Self-converted ARR's field is not correct
767	Facing	Defect	Phase shifter angles use PSSE format instead of IEEE

3. Technical Impact

SPP and Member Systems/Processes Impacted

- iHedge TCR application including the TCR MUI
- TCR API

4. Member Requirements

Market Participants will need to update their systems and processes to account for the changes associated with the system defects. 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

- MUI
 - Private results UI for an auction
 - Posting timestamp on the Self-converting ARR's download will match the auction posting instead of the allocation posting
- API
 - XSD changes
 - 24-HOURS added to ClassDefType to match what is being passed in the XML for Contingency and Outage downloads
 - Allow for duplicate toBus elements for binding constraints with multiple contingencies

- o XML changes
 - Public Base Loading TCRS with use “Long-term Allocation” in the Origin element
 - Private Allocation Summary download will point to the correct XSD
- RAW File
 - o Phase shifter angles use PSSE format instead of IEEE. A positive phase angle will bias phase shifter flow in the reverse direction.

5. Testing

TCR Release 2.11 will be installed to MTE for testing. Unstructured Member testing will be conducted starting 11/02/17 to 12/21/17. This will not be bid-to-bill testing, meaning results from the TCR markets will not be reflected in Settlements statements in MTE. Members will be responsible for coordinating testing at their respective companies. During testing, Members can submit questions or issues via RMS using the TCR quick pick. Members are encouraged to raise any issues during the testing window.

6. Training

Based on the changes included, formal training is not required for this release. Market Participants are encouraged to utilize the Transmission Congestion Rights (TCR) Market User Interface (MUI) Quick Reference Guide located in the [SPP Learning Center \(LMS\)](#) for any concerns related to navigating in the TCR MUI.

7. 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 back to the previous version.

8. Summary of Timeline

Date	Responsible Party	Action
07/31/17	SPP/Member	Publish/Review Draft API specifications
08/30/17	SPP/Member	Publish/Review Final API specification
11/02/17-12/21/17	Member	Conduct Unstructured MP Testing in MTE
01/04/18	Project Team/Member	Production Implementation

9. Project Assumptions

No assumptions have been identified at this time.

10. Risks

No risks have been identified at this time.

11. Additional Documentation

No additional documentation is needed.

12. Communication Plan

All project materials and information will be posted to the TCR Release 2.11 [project folder](#). Monthly updates will be provided via written status report or presentation to CWG.

13. MIPO and Project Documentation

All project communication and information will be posted to the SPP Change Working Group Project Documentation folder: TCR 2.11 Release [project folder](#).

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.

Action	Assignee	Status & Due Date
Publish MIPO	Project Team	July 31, 2017
Publish API Draft Specifications	Project Team	July 31, 2017
Publish API Final Specifications	Project Team	August 30, 2017
Unstructured Testing Starts	MPs	November 2, 2017
Unstructured Testing Ends	MPs	December 21, 2017

14. FAQs

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

15. More Information

At any time, members can ask questions or get more information by completing an RMS ticket using "TCR Inquiry" Quick Pick.

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".