

Member Impacting Project Overview:

MSS 2.12 Release

Version 1.23

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Version Control

Version	Date	Author	Change Description
1.0	8/26/2017	Staff	Initial Draft
1.1	10/13/2017	Robyn Vanover	All references to RR222 have been removed as RR222 has been removed from MSS 2.12 release. Small addition to section 2.1: Users impacted Changed effective date of RR200 to 2/1/2018
1.2	11/02/2017	Robyn Vanover	Added RR235 – Correction to RR200 information to document Added additional testing information around ARRTCR Public Report
1.3	11/08/2017	Robyn Vanover	Removing Enhancement 03-1963 ARRTCR Public Report from this release due to testing issues

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.

MSS 2.12 is a Member facing/impacting release that consists of RR200 – Design Change for BSS and OCL Distribution, RR235 – Correction to RR200 and various other system enhancements as detailed herein.

1.1. RR200 – Design Change for BSS and OCL Distribution

This Revision Request removes Bilateral Settlement Schedules (BSSs) at hubs and generation Settlement locations from the Over-Collected Losses (OCL) distribution calculation. This RR was written to only allow BSSs at a withdrawal point to be included in the OCL distribution calculation.

In the 2014 Annual State of the Market (ASOM), SPP MMU recommended removing BSSs from the OCL distribution calculation. SPP MMU presented to the MWG that BSSs could dilute OCL rebates within the marketplace at hubs and generation Settlement Locations. This RR was written to only allow BSSs at a withdrawal point to be included in the OCL distribution calculation. These BSSs will be capped at the maximum amount of the Real-Time withdrawal minus any amount of GFAs/FSEs.

By changing the OCL distribution design to only include the BSSs as describe above, the dilution caused by the BSSs at a generation or hub Settlement Location will be diminished.

RR235 – Correction to RR200

This Revision Request is a correction to RR200 (Design Change for BSS and OCL Distribution) that was approved by MOPC and BOD April 2017. In this RR there are modifications to two equations in Section 4.5.9.20 (Over-Collected Losses Distribution Amount) of the Integrated Marketplace Protocols to accurately reflect the true intent of RR200.

Section 4.5.9.20 (c.1) is summing hourly quantities and does not need a “/12”. Section 4.5.9.20 (c.2) is summing 5-minute quantities and needs a “/12”. This RR moves the “/12” from Settlement equation c.1 to equation c.2. In addition, 4.5.9.20 (c.1) equation was changed to use the hourly version of the Settlement Location to Loss Pool mapping bill determinant. This RR also creates a new billing determinant, to accurately reflect the modification in the equation in Section 4.5.9.20 (1)(c.1).

1.2. Additional Defects/Enhancements

In addition to the implementation of the MPRR(s) noted above, the following member facing/member impacting defects or enhancements are addressed in this release.

- #03-1982 – BSS UI Rounding Data Loaded Into System
 - MP loaded BSS data in the UI with 3 decimals and when SPP pulled this data in to process, it only pulled in 2 decimals. Over time, the small incremental changes add up and cause the statements to be off causing additional resettlements.
- ~~#03-1963 – Add Hourly Data to ARRTCR Public Report~~
 - ~~Member requested enhancement to the existing ARRTCR public report to be updated to include a tab for hourly data. Currently, only daily values are provided in this report.~~
- #03-1230 – Allow Statement Downloads Per Asset Owner

- Market Participant requested the ability for the Settlement Reports - View Settlement Statements role to be specified at the Asset Owner level, as opposed to only the Market Participant level.

2. Business Impact

2.1. Users Impacted

All Market Participants that:

- ~~● Utilize the ARRTCR public report~~
- Wish to download Statements by Asset Owner instead of Market Participant
- Have Bilateral Settlement Schedules (BSS) at hubs and generation Settlement locations.

2.2. Business Functions Impacted

This change will impact the following departments across the organization:

- Settlements

3. Technical Impact

3.1. SPP Systems/Processes Impacted

- Settlements UI/API
 - Changes are detailed in Section 4.1 below.

4. Member Requirements

Market Participants will need to update their systems and processes to account for the changes associated with the RRs, enhancements, and defects. They will have the opportunity to test changes to Settlement APIs in the MP-facing test environment (MTE). For more details on testing, reference the Testing section of this document, below.

4.1. Anticipated Member Systems/Processes Impacted

- Settlements UI / API
 - RR200 – Design Change for BSS and OCL Distribution
 - #03-1982 – BSS UI Rounding Data Loaded Into System
 - No impacts to MP systems
 - ~~○ #03-1963 – Add Hourly Data to ARRTCR Public Report~~
 - ~~▪ Add a new tab to the ARRTCR report with hourly data~~
 - ~~▪ MP system changes are optional~~
 - #03-1230 – Allow Statement Downloads Per Asset Owner
 - Add new API operation to retrieve Settlement Statement by AO
 - Add new UI page to download Settlement Statement by AO
 - A new Portal role will be added to allow access to AO level Settlement Statements
 - LSAs will need to assign new role to individuals who need to access the AO level data
 - MP system changes are optional; Settlement Report service will be backward compatible

5. Testing

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 reporting back to SPP on testing progress or issues.

Member Testing will be conducted in MTE during the month of October and November. Unstructured Member testing can begin in MTE on October 20th and continue thru November 5th. Structured Member testing will begin on November 6th. The following operating days will be posted to the MTE portal for verification by Market Participants: Initial Settlement Statements for Operating Days November 6, 2017 to November 19, 2017. These Initial Settlement Statements will be posted to the SPP MTE Portal starting on November 13, 2017 and continuing until November 26, 2017.

During the MTE testing period, it is encouraged that meter agents submit meter data on behalf of their market participants. Resources that do not submit meter data will be substituted for State Estimator. Resources that are qualified to provide ancillary products should ensure they are entering offer parameters for those products.

Market Participants will be responsible for submitting Bilateral Settlement Schedules to test the new calculation functionality of RR200/RR235. SPP will not be submitting BSS data for this testing.

Some additional scenarios needed to test this release are as follows:

1. Once Statements are posted November 13 – November 26, AOs will need to validate that they can view the Settlement Statements at the AO level. MPs may want to validate that they can still view Settlement Statements at the MP level. (03-1230)
- ~~2. MPs should validate the requested enhancements to the ARRTCR public report. A new tab has been added to the ARRTCR public report to include hourly data. TCR Funding Percentage has also been added to the Daily Tab and the new Hourly Tab. A current ARRTCR Report will be posted to the MTE Portal on Friday, 11/10 following the normal production posting timelines for this report. (03-1963)~~
- ~~3-2.~~ MPs should submit Bilateral Settlement Schedule data rounded to 3 decimals and validate there is no longer rounding issues when processed.

After the first week of statement posting (November 13th – November 19th), please notify SPP via the Request Management System (RMS) if any additional scenarios are needed. SPP will assist in creating the needed scenarios for the last week of Member testing for statements that will post November 19th thru November 26th.

5.1. Operating and Effective Dates

Member Testing will be conducted in MTE during the month of October and November. Unstructured Member testing can begin in MTE on October 20th and continue thru November 5th. Structured Member testing will begin on November 6th. The following operating days will be posted to the MTE portal for verification by Market Participants: Initial Settlement Statements for Operating Days November 6, 2017 to November 19, 2017. These Initial Settlement Statements will be posted to the SPP MTE Portal starting on November 13, 2017 and continuing until November 26, 2017.

RR200/RR235 will be effective October 6, 2017 in the MTE environment. The effective date for RR200/RR235 in Production will be 2/1/2018.

6. Training

N/A

7. Implementation/Back-out Plan

If it is necessary to back out the new functionality, SPP will utilize effective dating to turn off this new functionality.

8. Summary of Timeline

Date	Responsible Party	Action
7/20/2017 – 10/19/2017	SPP	Requirements, Design, Build
8/25/2017	SPP	Publish MP Requirements via MIPO revision
8/25/2017	SPP	Publish Draft Technical Specifications
9/19/2017	SPP	Publish Final Technical Specifications, Settlements UI Guide, Public Data Guide and Portal Application Role Reference Guide
10/20/2017 – 11/5/2017	Member	MP Unstructured Testing
11/6/2017 – 11/26/2017	Member	MP Structured Testing – Initial Settlements Statements will be produced for Operating Days 11/6/2017 thru 11/19/2017 and Posted to the MTE Portal beginning on 11/13/2017 and continuing until 11/26/2017. <i>ARRTCR Public Report Posted to the MTE Portal on 11/10/2017.</i>
12/14/2017	SPP / Member	Implementation
2/1/2018	SPP	RR200/RR235 effective

9. Project Assumptions

N/A

10.Risks

N/A

11.Additional Documentation

Updated documents detailed below will be provided on or before 9/19/2017.

- API Specifications
 - A draft version of the API technical specifications for the Market Settlements System (MSS) Release 2.12 has been posted to the [Future Marketplace Tech Specs](#) folder (a sub-folder of the [Marketplace Tech Specs](#) folder). The purpose of this version is to provide participants with a preview of the changes that will be introduced as part of the implementation of MSS 2.12 which the changes described in Section 4.1.

- Portal Application Role Reference Guide
 - Will be updated with the new AO level role for downloading Settlement statements.
- Integrated Marketplace Settlements User Interface Guide
 - Will be updated to include steps for downloading the AO level Settlement statement
- ~~Settlements Public Data Guide~~
 - ~~Will be updated to include changes to the ARRTCR report~~

12. Communication Plan

12.1. Liaisons

There are no liaisons needed for this effort.

13. MIPO and Project Documentation

All project communication and information will be posted to the SPP Change Working Group Project Documentation folder. <http://www.spp.org/section.asp?group=3400&pageID=27> .

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.

14. FAQs

These FAQs are added to the RMS Knowledge Base. Frequently asked questions will be added to the document as identified or necessary, as well as adding to the RMS Knowledge Base, located here: https://spprms.issuetrak.com/Kb_ListByCategory.asp

15. 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”.