

Member Impacting Project Overview

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Version Control

| Version | Date | Author | Change Description |
|---------|------------|-------------------------------------|---|
| 1.0 | 12/05/2022 | Chuck Jennings | Initial Version |
| 1.1 | 01/13/2023 | Chuck Jennings, Patrick DeLassus | Added additional detail about changes to CROW. |
| 1.2 | 01/18/23 | Patrick DeLassus | Added additional details about changes to CROW. |
| | | | |

Executive Summary

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

SPP is implementing a release to the CROW software that promotes continuous improvement.

Changes included in this update:

- Per methodology change – forced outages for units are no longer automatically implemented if the planned start date is in the future. If the planned start date is in the past, it will still automatically be implemented. This change does not affect transmission outages.
- Generation priorities:
 - o Opportunity changes to Maintenance
 - o Remove Operational, Urgent, Emergency
 - o Forced maximum lead time extends from 1 hour to 7 days.
- Cause code updates for generation outages:
 - o Rename:
 - Equipment Failure -> Other Equipment Failure
 - BES Reliability -> BES Reliability/Stability
 - Supporting Transmission Outage -> Transmission Outage
 - Reserve Shutdown Excess Capacity/Economic -> Reserve Shutdown
 - o Remove:
 - Imminent Equipment Failure
 - BES Stability
 - o Add:
 - Inspection
 - Vibration
 - Fuel System
 - Leak
 - Cooling System
 - Testing
 - Weather/Catastrophe
 - Staffing/Personnel
 - Retirement
 - Repower
 - Upgrade
 - New Construction
 - Undersized SPP Interconnection
 - Seams Resource
 - Seams Interconnection
 - Conversion
- webUI update to allow up to 1000 outages to be returned based on filter selection, rather than the current limit of 300.
- Outage priority is based on submitted time rather than time that change request was submitted (applies to when making changes to outages)

Business Impact

There is a potential business impact related to outage submittals.

| Affected? | Services Impacted by Changes |
|-----------|--|
| X | Eastern Interconnection (Integrated Marketplace) |
| X | Western Reliability Coordination |
| | Western Energy Imbalance Services Market |

Users Impacted

All users that submit outages to the CROW application.

Business Functions Impacted

Reliability functions where transmission or generation outage submission is included will be impacted.

All functions that use the CROW tool will be impacted. This update won't affect data that is sent to EMS, market systems or any other downstream process.

Technical Impact

CROW Web UI and API would be unavailable during release deployment.

SPP Systems/Processes Impacted

CROW

Anticipated Member Systems/Processes Impacted

This should only impact programs that are used to submit outages, CROW webUI or third party API software.

Member Requirements

Technical specifications changes can be found at the following link:

<https://spp.org/spp-documents-filings/?id=21071> **Testing**

Member testing for this project will occur in the ITE (Integrated Test Environment). A member testing kick off meeting has been scheduled for January 3, 2023, with stakeholders to discuss testing expectations from members and will be provided test cases at this time. Subject matter experts will address the specific changes and answer any questions that you may have related to the testing scenarios provided.

Testing Assumptions:

- All members that will participate in testing should have already conducted connectivity testing to the Integrated Test Environment (ITE). This project timeline will not include connectivity testing.
- Members who are participating in the testing are trained on the systems they are testing.

Testing Schedule: 01/27/23 – 04/04/23

CROW Test Cases

SPP will provide test cases to aid the members in testing the new changes in CROW Change Order 11. These test cases do not have to be submitted back to SPP but are just meant to assist the members with verification of the new functionality.

Training

Stakeholder Training will provide virtual instructor-led training on the changes to the Outage Coordination Methodology for the six consecutive weeks leading up to the changes going to production. We will also update existing e-Learning training content to reflect the OCM changes by April 1, 2023.

Implementation/Back-out Plan

If issues are encountered during implementation, SPP will revert to the previous version of the CROW software.

Summary of Timeline

| Date | Responsible Party | Action |
|----------------------------|--------------------------|---------------------------------------|
| 12/15/2022 | SPP | Publish initial MIPO |
| 1/25/2022 | SPP | Install CROW Change Order 11 in ITE. |
| 01/27/2023 — 04/04/2023 | Members | Evaluate software updates. |
| 04/19/23 | SPP | Install CROW Change Order 11 in PROD. |

Project Assumptions

None identified at this time.

Risks

None identified at this time.

Additional Documentation

Any additional documentation will be listed here and stored in the CROW Fall Patch 2020 project folder on spp.org. Notifications of documentation postings will be sent to the CWG distribution list.

Communication Plan

Communication regarding this project will be done through updates to the Member Impacting Project Overview or via the Change Working Group exploder list.

MIPO and Project Documentation

All project communication and information will be posted to the SPP Change Working Group Project Documentation folder. Click [here](#) to reach the CROW Change Order 11 folder on spp.org.

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 |
|--------------------------------------|----------|---------------------|
| Install CROW Change Order 11 in ITE. | SPP | 01/25/2023 |
| Access and evaluate updates. | Member | Starts on 1/27/2023 |

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 Requests can be submitted using the "Submit an Inquiry" Request Template, "Projects / Initiatives" Subtype 1, "CROW Spring Release 2023" Subtype 2. 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."


Submit Request 


Request Template: 


* Class: 


Request Status:  


* Request Type: 



* Subtype 1: 



* Subtype 2: 

* Subtype 3: 

* Subtype 4: 

* Severity:  descriptions

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