

Enhanced Curtailment Calculator Working Group Meeting

July 31, 2020
Teleconference

SUMMARY OF ACTION ITEMS

1. Ashley to send the link to ECC demo to the group.
2. Dede Subakti to request a quote from OATI on the competing path CO.
3. Ashley to send 95% CO language to Zea.
 - a. The group will vote via email for the 95% CO
4. Dede to put together the CO for the alarming during model uploads of critical mappings (HVDC, QD, QP)
5. Follow-up with OATI on pointing to SPP's website for the curtailment methodology.
 - a. ECCWG to review the curtailment methodology and we can vote on a final document before posting.
6. Jim Price to draft language on alternate actions.

ECCWG MEETING

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MINUTES

AGENDA ITEM 1 – INTRODUCTIONS

Kathee Downey (PAC) called the meeting to order at 9:35 a.m. CST. The following participants were in attendance:

Shane Messano (WAPA)

Kathee Downey (PAC)

Keith Carman (TSGT)

Asher Steed (BC RC)

Kevin Pera (XCEL)

Robin Chung (BPA)

Jim Price (CAISO)

Larry Bellnap (CAISO)

Jeremy West (TSGT)

Ashley Stringer (SPP)

Dede Subakti (RC West)

Kendall White (SPP)

Richard Tran (SPP)

Will Ragsdale (SPP)

Scott Brown (SPP)

John Varnell

Jeremy Lamb

Nong Lor (OATI)

Quorum was established.

AGENDA ITEM 2 – APPROVE 6/5/20 & 7/10/20 MEETING MINUTES

Shane Messano (WAPA) motioned to approve the meeting minutes from 6/5/20 & 7/10/20. Keith Carman (TSGT) moved to approve and Jim Price (CAISO) seconded the motion. The meeting minutes were approved.

AGENDA ITEM 3 – COMPETING PATH CHANGE ORDER

Jeremy West (TSGT) presented an update, on behalf of the UFC, regarding competing path logic in ECC. The proposal addresses the loss of counterflow from tags curtailed by the "2x" check. The UFC is requesting a quote from OATI on what it would take to address this in ECC. The ECCWG agreed to the quote request. Dede Subakti will make the request with OATI.

AGENDA ITEM 4 – CURTAILMENT METHODOLOGY DRAFT

Robin Chung (BPA) was tasked with drafting a curtailment methodology that could be available to users. This document provides clarity on why certain tags are being cut. The working group will continue to review the document and approve at a future meeting. The group also discussed the best location to house the document. It was agreed to post it on SPP's page and potentially provide a link within ECC, potentially in the help section or the step event message. Ashley Stringer (SPP) took an action item to discuss options with OATI.

Additionally, the group discussed adding language to the curtailment methodology to address post event tags and alternate actions. Jim Price (CAISO) took an action item to draft language regarding alternate actions.

AGENDA ITEM 5 – ALARMING DURING MODEL UPLOADS (CO)

Dede Subakti (RC West) discussed the Change Order proposal to provide alarming for missing model data, including HVDC mapping, Qualified Device mapping, and Qualified Path mapping. Subakti took an action item to draft a CO for OATI.

AGENDA ITEM 6 – QUOTE UPDATE ON 95% ECC MESSAGES

Dede Subakti (RC West) provided an update on the 95% step messages CO that was submitted to OATI. Zea Flores (WAPA), on behalf of the UFC, submitted this CO originally but was unable to attend today's ECCWG meeting. The group elected to send Flores the updated CO language prior to holding a vote. Once Flores has reviewed, an email vote can take place.

Subakti also gave the working group an update on two previous Change Orders that will be ready for testing on 8/5/20. Configurable Shift Factors and Totals columns are scheduled for the DEMO environment on 8/5/20 and will require the group to test. Ashley Stringer (SPP) took an action item to send the members the DEMO link to ensure everyone has access. Subakti will send an email when available to test.

AGENDA ITEM 7 – CONTINUE SEAMS/STRATEGIC DISCUSSION

The group elected to postpone further discussion on strategic items until a future meeting. Ashley Stringer (SPP) took an action item to include the list of items in the minutes for further review by the group.

Issue #1: Tariff Issues

1. Path vs SOL
2. Filing issues
3. SOL Methodology
4. Capital recovery
5. Applicable entities in the plan does not account for markets and changing environments.
6. The plan does not have a mechanism to validate data (applicable entity, PST, O&M, etc.)
 - a. Not consistent
7. No enforcement mechanism (who is the police)
 - a. Potential NERC standard changes
8. Guidelines do not match current practice
9. Simplify the PY to current year (better reflect the true year)

Issue #2: Curtailment Philosophy Issues

1. Basic issue is that you are curtailing firm transactions but not GTL that is not tagged.
2. Evaluate tagged or untagged GTL serving transactions should be exposed to curtailments or redispatch during a UFMP event.
 - a. **Bring back the review at UFC**
3. Pseudo ties and dynamic schedules are not getting curtailed (need to revisit the impacts here)
4. Tool does not calculate relief amount (what is the GTL contribution)

5. The plan does not preclude the use of curtailments when flows are well below the limit (voltage issues, etc.)
 - a. **Whitepaper for 1-5 on the curtailment philosophy**
6. Reevaluating the curtailment threshold (current is 10%)
 - a. **Separate analysis needed**
 - i. **Should look at TDF**
 - ii. **Generation serving the load within a BA**
 - b. Relief amount requested is not in the methodology (ECC tool needs to do these calculations)
 - i. Tags do not equal actuals (dynamics)
 - ii. Tool does not calculate relief amount (what is the GTL contribution)
7. Transmission rights preservation (?)
 - a. Transmission Service used for GTL.
 - b. TS is maintained in markets or non-markets
 - c. **Write up the principle and objective, as well as how it is maintained**

Issue #3: Path vs SOL

1. More than UFMP needs relief
 - a. "any" element not just four paths
 - i. Elements need to qualify
 - ii. Elements need to be defined
 - b. Untagged flow not captured
2. Flow can be curtailed when the path is not at 95% loading
3. Path qualification requirements
4. Actual Flow must reach a level greater than or equal to 95 percent of the SOL or Path's TTC, with Actual Flows greater than the Scheduled Flows by an amount of 2 percent of the Qualified Transfer Path SOL or 25 MW, whichever is greater. This is not in the tariff.
5. Over curtailment (if element is at 95% but the path is not) - Using proxy paths.

Issue #4: Timing Issues

1. Interaction between UFMP curtailments and needed relief in hour
2. This is only a next-hour process that uses current hour information
3. Timing of step four is limited (only 10 minutes for assessments). Waiting until after the current ramp to end to do the assessment

Issue #5: Tool Issues

1. Input model is limiting or incomplete
2. The ECC does not consider PST optimization
 - a. PST optimization methodology is not defined

3. Cannot terminate a USF event and have tag reloads (no one has rights to reload with the way the curtailments happen)
4. You cannot edit a USF event
5. New Change Order proposal: Generator matrix coordinated against the elements/paths for merchant side transparency
6. New Change Order proposal: Any new or adjusted tags held through the event

Issue #6: Compensation methodology

7. Cost methodology for PST usage
8. Cost causation is not used
9. Plan uses old data from applicable entities, and old O&M data from QCDs

Issue #7: Goals & Objectives/Miscellaneous

1. Discuss changing the degree per MW for effectiveness factors to degree per tap.
2. PST methodology to prevent curtailments has lost effectiveness (going straight to step four)
3. The Plan is voluntary for QPs and QCDs
4. Need to consider elements in both directions
5. UFMP was originally created for unscheduled flow (loop flow). This looks Western Interconnection wide.
6. Reliability tool using marketing function to solve reliability issues
7. GOALS:
 - a. Include reliability and equity
 - b. Include a compensation mechanism
 - c. Local market picks up PST compensation?

AGENDA ITEM 8 – REVIEW ACTION ITEMS

See Page 1.

AGENDA ITEM 9 – FUTURE MEETINGS

Meetings highlighted in Yellow have been cancelled. The September 21 meeting was added to the schedule. Please register for this meeting on spp.org and remove the cancelled meetings from your personal calendars.

July 31, 2020

9:30 a.m. – 11:30 a.m. (CDT)

Teleconference

August 21, 2020	9:30 a.m. – 11:30 a.m. (CDT)	Teleconference
September 4, 2020	9:30 a.m. – 10:30 a.m. (CDT)	Teleconference/Check-in
September 18, 2020	9:30 a.m. – 11:30 a.m. (CDT)	Teleconference
September 21, 2020	1:30 a.m. – 3:30 p.m. (CDT)	Teleconference
October 2, 2020**	9:30 a.m. – 10:30 a.m. (CDT)	Teleconference/Check-in
October 16, 2020	9:30 a.m. – 11:30 a.m. (CDT)	Teleconference
November 6, 2020	9:30 a.m. – 10:30 a.m. (CDT)	Teleconference/Check-in
November 20, 2020	9:30 a.m. – 11:30 a.m. (CST)	Teleconference
December 11, 2020	9:30 a.m. – 11:30 a.m. (CST)	Teleconference

**Discuss scheduling 2021 meetings.

ADJOURNMENT

The meeting was adjourned at 10:44 a.m. CDT.

Respectfully Submitted,

Ashley Stringer

Sr. Operations Analyst