

Enhanced Curtailment Calculator Working Group Meeting

October 16, 2020
Teleconference

SUMMARY OF ACTION ITEMS

1. Jim Price to draft an introduction prior to step four for the curtailment methodology.
 - a. Ashley to send to OATI for review and give them a date to join a future call to discuss.
 - b. Ashley to post Jim Price's write-up on alternative curtailment actions.
2. Send the 95% CO language to the WIRCEC group for approval. Ashley to work with Shane and Kathee to send for approval.
3. Ashley to email the members a copy of RC West's procedure on the manual process needed for configurable shift factors.
4. Send the alarming of critical mappings CO proposal to the group.
 - a. SPP to review the list of qualified device in ECC to confirm accuracy (i.e., Rimrock).
5. Ashley to post Yasser Bahbaz's presentation on UFMP expansion.
6. Ashley to set up 2021 meetings (Friday).
7. Ashley to work with Shane and Zea to set up a joint UFC/ECC meeting.
8. Dede Subakti to request a quote from OATI on the competing path CO. (pending)
9. Follow-up with OATI on pointing to SPP's website for the curtailment methodology. (pending)
 - a. ECCWG to review the curtailment methodology and we can vote on a final document before posting. (pending)

ECCWG MEETING

October 16, 2020
Teleconference

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:

Kathee Downey (PAC)

Shane Messano (WAPA)

Keith Carman (TSGT)

Zea Flores (WAPA)

Asher Steed (BC RC)

Robin Chung (BPA)

Jim Price (CAISO)

Larry Bellnap (CAISO)

Kerri Schlachter (TSGT)

Jeremy West (TSGT)

Ashley Stringer (SPP)

Yasser Bahbaz (SPP)

Dede Subakti (RC West)

Kendall White (SPP)

Will Ragsdale (SPP)

Scott Brown (SPP)

Quorum was established.

AGENDA ITEM 2 – APPROVE 9/21/20 MEETING MINUTES

Jim Price made a motion to approve the 9/21/20 meeting minutes. Keith Carman (TSGT) seconded the motion. The 9/21/20 meeting minutes were approved.

AGENDA ITEM 3 – PREVIOUS ACTION ITEMS

1. Ashley to send the link to ECC demo to the group. (complete)
 - a. Additional discussion regarding pending testing for the Configurable Shift Factor CO was discussed. Dede let the group know that the CO appears to have given admin rights to OATI and not the vendor manager. Kokou Agbassekou took an action item to get more information from OATI. (agenda item for 10/16 meeting – complete)
2. Dede Subakti to request a quote from OATI on the competing path CO. (pending)
3. Ashley to send 95% CO language to Zea. (complete)
 - a. The group will vote via email for the 95% CO (Complete-approved)
4. Dede to put together the CO for the alarming during model uploads of critical mappings (HVDC, QD, QP) (agenda item for 10/16 meeting)
5. Follow-up with OATI on pointing to SPP's website for the curtailment methodology. (pending)
 - a. ECCWG to review the curtailment methodology and we can vote on a final document before posting. (pending)
6. Jim Price to draft language on alternate actions. (agenda item for 10/16 meeting)

AGENDA ITEM 4 – DISCUSS CONFIGURABLE SHIFT FACTOR CO

Dede Subakti (RC West) provided an update to the group on the configurable shift factor change order. The ability to select and switch factors utilized in UFMP is an administration right with OATI and not the RC. This requires RC West to contact the OATI help desk to make the change. RC West created a manual process for any instances the RCs identify the need to change factors and must contact RC West to initiate the change. Ashley Stringer (SPP) will email the procedure to the working group members for further review.

AGENDA ITEM 5 – CRITICAL DEVICE ALARMING

Dede Subakti (RC West) presented the committee a proposed Change Order to present to OATI on the alarming of critical mappings during model uploads. At this point, there is no commitment to approve this CO but Subakti is providing it to the committee to identify what should be included. Once identified, Subakti can forward to OATI for a price and the group can vote at that time. Ashley Stringer (SPP) will post the proposal to the meeting materials for review.

AGENDA ITEM 6 – CURTAILMENT METHODOLOGY DRAFT

Jim Price (CAISO) updated the curtailment methodology draft to include language around alternative curtailment actions. The UFMP process in ECC apparently does not have a direct way to check whether an alternate action would meet the relief obligation. The consensus among the group was that we have only a partial understanding of the capability for alternative relief, and we may want to request edits and additions from OATI. If there is interest in making alternative relief more workable, two possible enhancements could be (1) allowing alternative relief from any e-tag that exists at the time a curtailment is called, rather than apparently just ones on which ECC made adjustments, and (2) creation of new tags for counterflow schedules.

Action items: Jim to draft an introduction prior to step four. Ashley will send to OATI for feedback and give them a date to join the call to discuss further.

AGENDA ITEM 7 – CONTINUE SEAMS/STRATEGIC DISCUSSION

Yasser Bahbaz (SPP) presented an education session on UFMP expansion beyond tag curtailment. This presentation was a continuation of joint strategic discussion between ECCWG and UFC from the March 2020 meeting. The goal of this presentation was to bring focus back to the issue, acknowledging that UFC is the policy committee and the ECCWG is the technical committee over the ECC tool. A joint meeting will be conducted between each group prior to any action being taken. This effort was just to remind the group of options discussed and bring focus back to the issue. Ashley Stringer (SPP) will work with Shane Messano (ECCWG Chair) and Zea Flores (UFC Chair) to schedule a joint meeting to tackle next steps on this issue.

The list of items discussed in the March 2020 joint ECCWG/UFC meeting will remain 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 7 – REVIEW ACTION ITEMS

See Page 1.

AGENDA ITEM 8 – FUTURE MEETINGS

Ashley Stringer (SPP) to set up 2021 meetings.

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

**Discuss scheduling 2021 meetings.

ADJOURNMENT

The meeting was adjourned at 11:03 a.m. CDT.

Respectfully Submitted,

Ashley Stringer

Sr. Ops Quality Control Specialist