Available Transfer Capability Implementation Document (ATCID) Streamlining

December 15, 2021

Agenda

1. ATCID Streamlining Phases
2. Overview of Phase II Changes
3. Review Changes in ATCID
4. Wrap Up

ATCID Streamlining Phases

1. BPA is continuing to streamline its ATCID
    a. This effort is being driven by BPA's goal to have a transparent Short-term Available Transfer Capability (ST ATC) methodology, and by BPA's challenges with keeping the current ACTID updated as required by NERC ATC MOD-001, Requirement 3
2. The ATCID streamlining effort consists of three phases:
    a. Phase I – Completed: Consolidated the separate sections on the 1:1 and flow-based paths into one
    b. Phase II – Currently Underway: Review the content within the ATCID and eliminate unnecessary information, with a focus on content that is remaining from BPA's discontinued use of MOD-030-2 as of August 10, 2015
        i. BPA uses MOD-029-1a to calculate ST ATC for all of its paths
    c. Phase III – Future: Streamline/simplify the document overall, with a specific focus on the sections that detail BPA's firm and non-firm ATC calculations

Overview of Phase II Changes

1. Eliminate references to thermal and stability limited paths and consolidate duplicative language and sections pertaining to these paths
   a. BPA bifurcated this information due to MOD-030-2, R.2.4, which specifies how to set Total Flowgate Capability limits for the two different types of paths
   b. BPA does not believe this bifurcation adds value. BPA is using MOD-029-1a and the "RC West System Operating Limits Methodology for the Operations Horizon" to establish Total Transfer Capability (TTC) limits.
2. Delete information included in the ATCID due to MOD-030-2 requirements that does not provide clarity on BPA's ST ATC methodology
   a. Sections impacted include "Use of WECC Base Cases to Determine Base ETC" (deleted information was included due to MOD-030-2, R3 and R5) and "Source/POR and Sink/POD Identification and Mapping" (deleted language originally included due to MOD-030-2, R4)

Overview of Phase II Changes (cont.)

3. Revise several sections on BPA's processes to provide more information and/or clarity
   a. References to System Operating Limits (SOLs) are being replaced with TTC, as MOD-029-1a focuses on TTCs that are used in the ST ATC calculations
   b. Use of "ATC Path" is being replaced with "path"
      i. "ATC Path" has been retired in the NERC glossary so BPA will use "path" in the ATCID, except for sections that are copied directly out of MOD-029-1a (i.e. definitions for ATC and TTC)
4. At the October 26th, 2021 ST ATC customer meeting, BPA asked whether customers used the transmission line components for the flow-based ATC paths and the cross-walks between the MOD-029-1a ATC formulas and BPA's ATC software variables
   a. Based on the feedback received, BPA will retain this information in the ATCID
5. BPA's processes and methodology for calculating TTC and ST ATC have not changed

Review Changes in ATCID

1. BPA will go through a draft ATCID Version 68 during this portion of the meeting
   a. The draft ATCID Version 68 contains the changes resulting from the Phase II streamlining
2. We will be working from a red-lined version of the document today
   a. The redlined version of the ATCID will be available prior to the meeting at https://www.bpa.gov/transmission/Doing%20Business/ATCMethodology/Pages/Meetings.aspx
   b. The current version of the ATCID is posted to BPA's ATC Methodology page at https://www.bpa.gov/transmission/Doing%20Business/ATCMethodology/Documents/ATCID.pdf

Wrap up

1. Please send any feedback on the draft of ATCID Version 68 to techforum@bpa.gov, with a copy to your Account Executive
2. Comments are due by December 30th, 2021
3. BPA will be posting the finalized version of ATCID Version 68 in early January 2022