

Please note that the bullet numbering will no longer match the numbering in MOD-001-1

A. Requirements

R1.

R1.1. Rated System Path Methodology – TTC {these details should be a conforming change to FAC 12/13}

R1.1.1. TTC values will be reviewed and made available on a publicly accessible website, at least semi-annually for summer and winter, unless the transmission owner or transmission operator indicates that operating or system contingencies have changed the TTC.

Comment [A1]: Commenters: Should TTC be determined per the requirements of reliability standards FAC-012 and FAC-013. The ATCT drafting recommends that those requirements should be adjusted to more specifically defined for purposes of this standard.

R1.1.2. As a minimum, the following data must be identified and coordinated by XXXX with the Transmission Service Providers' 1st tier neighbors.

Comment [A2]: Commenters - who should be responsible for this coordination?

1.1.2.1. Transmission Outages: Provide a list of the transmission system elements to be taken out of service.

1.1.2.2. Powerflow model: The baseline power flow model for calculating TTC will be made available to neighboring TSPs. Updates to the power flow model shall be provided to neighboring TSPs to reflect facility changes.

1.1.2.3. Path Definitions and Facility Ratings: The path definitions and facility ratings shall be exchanged with ATC calculators when revised.

R1.1 Rated System Path Methodology – TTC The Planning Coordinator shall provide TTC values (as determined in FAC- 012/013) to the Transmission Service Provider, at least semi-annually for summer and winter, unless the Transmission Owner or Transmission Operator indicates that operating or system contingencies or changes in system topology have changed the TTC. [Risk Factor: Medium]

R1.2.

R1.2.1.

R1.2.2.

R1.2.3. As a minimum, the Transmission Service Provider, shall exchange the following with adjacent Transmission Service Providers:

Comment [A3]: Need to coordinate the requirement to share information with customers with the NAESB business practice development

1.2.3.1. Load levels [move to FAC 12/13]

1.2.3.2. Scheduled and unscheduled transmission outages [move to FAC 12/13]

1.2.3.3. Scheduled and unscheduled generation outages [move to FAC 12/13]

1.2.3.4. Existing transmission reservations, including counterflows [move to FAC 12/13]

1.2.3.5.

R1.3. Network Response Methodology – TTC {these details should be a conforming change to FAC 12/13} [Risk Factor: Medium]

R1.3.1. TTC will be determined per the requirements of reliability standards FAC-012 and FAC-013 by evaluating any changes in system conditions and recalculating values when system conditions change. TTC values will be reviewed and made available on a publicly accessible website.

- daily values for current week at least once a day
- daily values for day 8 through the first month at least once per week
- monthly values for months 2 through 13 at least once per month

Comment [A4]: Commenters: Should FAC-012 Applicability be modified to more specifically mention which entity is responsible, rather leaving determination up to the RRO?

R1.3.1 The Planning Coordinator shall provide TTC values (as determined in FAC-012/013) to the Transmission Service Provider, at least semi-annually for summer and winter, unless the Transmission Owner or Transmission Operator indicates that operating or system contingencies or changes in system topology have changed the TTC. [Risk factor: Medium]

R1.3.2. The Transmission Service Provider shall make available on a OASIS (or its successor) the following data items:

- 1.3.2.1. the assumptions used for generation dispatch for both external and internal systems for base case dispatch
- 1.3.2.2. the assumptions used for transactional modeling shall on its OASIS (or its successor).
- 1.3.2.3. mathematical algorithms, process flow diagrams, data inputs, identification of flowgates, and modeling assumptions used to perform the TTC and ATC calculations, [move to FAC 12/13]

Comment [A5]: Commenters: How should this be specified i.e, OASIS or its successor?

R1.3.3. The Transmission Service Provider shall, as a minimum, must identify and coordinate the following data by the Transmission Service Provider with adjacent Transmission Service Providers.

- 1.3.3.1. **Transmission Outage Schedules:** Coordinate transmission system elements scheduled to be taken out of service.
- 1.3.3.2. **Generation Outage Schedules:** Coordinate generation resources scheduled to be taken out of service.
- 1.3.3.3. **Generation Dispatch Order:** Provide a typical generation dispatch order or the generation participation factors of all units on an affected Balancing Authority basis. The generation dispatch order will be updated as required by changes in the status of the unit; however, a new generation dispatch order need not be provided more often than prior to each peak load season.
- 1.3.3.4. **Powerflow model:** The baseline power flow model for calculating TTC will be made available to neighboring TSPs. Updates to the power flow model shall be provided to neighboring TSPs to reflect facility changes.

Comment [A6]: Need to coordinate the requirement to share information with customers with the NAESB business practice development.
Ok to post:
- Transmission Outages
- ETC except for native load service
- Facility Ratings

1.3.3.5. **Facility Ratings:** Facility Ratings shall be exchanged with neighboring TSPs when revised.

1.3.3.6. **Load Forecast:** This information shall be provided daily. [Move to FAC 12/13]

R1.4. Network Response Methodology –ATC {Risk Factor: Medium}

R1.4.1.

R1.4.2.

1.4.2.1.

~~R1.4.3.~~

R1.4.4.

R1.4.5. As a minimum, the Transmission Service Provider, shall exchange the following with adjacent Transmission Service Providers.

1.4.5.1. Load levels [move to FAC12/13]

1.4.5.2. Scheduled and unscheduled transmission outages [move to FAC12/13]

1.4.5.3. Scheduled and unscheduled generation outages [move to FAC12/13]

1.4.5.4. Existing transmission reservations, including counterflows [move to FAC 12/13]

Comment [A7]: Need to coordinate the requirement to share information with customers with the NAESB business practice development.
Ok to post:
- ETC except for native load service