

Transmission Reliability Margin Implementation Document^{*} (TRMID)

TRM is the amount of transmission transfer capability needed to provide a reasonable level of assurance that the system will remain reliable. TRM accounts for the inherent uncertainty in system conditions and its associated effects on transfer capability evaluations (such as ATC/AFC Calculations and System Impact Studies) and the need for operating flexibility to ensure reliable system operation as system conditions change.

The Methodology does not include uncertainties already accounted for elsewhere in the AFC studies and calculations or in determining CBM. Entergy's TRM Methodology is reviewed at least every 13 months and as conditions warrant. Recalculations will be done as necessary in order to establish TRM values at least once every 13 months. [MOD-008-1 R4]

For hourly, daily, and monthly Base Case Models covering Months 1-18, a TRM value of "zero" is used as set forth in Entergy's ATCID and Attachment C (AFC Process) and Attachment D (System Impact Studies) of the Entergy OATT. In the future, if a non-zero value for TRM is used, Entergy will develop and document the use of TRM per the applicable Reliability Standards.

For seasonal and annual Base Case Models covering the time period beyond Month 18, a TRM value of five (5) percent is used when conducting System Impact Studies as set forth in Attachment D to the Entergy OATT. Because a Facilities Study includes a more detailed AC load flow methodology than the System Impact Studies, the five (5) percent TRM value is removed in the Facilities Study and a value of "zero" is used. The five (5) percent value applied to System Impact Studies beyond Month 18 is a reasonable assumption to flag any potential system constraints that may arise from this less detailed screening analysis and to account for the inherent uncertainties in a longer-term model. It should be noted that these studies are not covered by the MOD-008-1 Reliability Standard since the timeframe for the studies (18 months and greater) is beyond the timeframe covered by the Standard (up to 13 months, R1.3).

In the determination of TRM, Entergy considers the components listed in MOD-008-1 R1.1.

TOP shall provide the final TRM values to the ICT and T & D Planning – Transmission Planning within seven calendar days after a TRM value is initially established or subsequently changed. [MOD-008-1 R5] Communications will be made via email and shall be archived in \\mobfsetsp004\ops_50qb_032003\AFC Information.RS2275\TRM.

^{*} Excerpt of Entergy's TO-OP-MOD-005 procedure