

2006-08 Transmission Loading Relief

Standards Involved:

IRO-006 — Reliability Coordination – Transmission Loading Relief

Research Needed:

None

Purpose:

The purpose of this standard is to ensure that critical transmission system limits are relieved within 30 minutes.

The purpose of revising this standard is to:

1. Provide an adequate level of reliability for the North American bulk power systems — the standard is complete and the requirements are set at an appropriate level to ensure reliability.
2. Ensure it is enforceable as a mandatory reliability standard with financial penalties — the applicability to bulk power system owners, operators, and users, and as appropriate particular classes of facilities, is clearly defined; the purpose, requirements, and measures are results-focused and unambiguous; the consequences of violating the requirements are clear.
3. Incorporate other general issues as described in the standards development work plan.

Industry Need:

IRO-006 was developed as a Version 0 standard and although it has been updated to address some specific technical concerns, the SARs associated with the changes made to the standard limited modifications to just those modifications that were immediately needed. As the electric reliability organization begins enforcing compliance with reliability standards under Section 215 of the Federal Power Act in the United States and applicable statutes and regulations in Canada, the industry needs a set of clear, measurable, and enforceable reliability standards. The Version 0 standards, while a good foundation, were translated from historical operating and planning policies and guides that were appropriate in an era of voluntary compliance. The Version 0 standards and recent updates were put in place as a temporary starting point to stand up the electric reliability organization and begin enforcement of mandatory standards. However, it is important to update the standards in a timely manner, incorporating improvements to make the standards more suitable for enforcement and to capture prior recommendations that were deferred during the Version 0 translation.

Brief Description:

This is a project that is carried over from 2006. This project involves a coordinated effort with NAESB to clarify and refine the requirements in the standard and identify which requirements are needed to support reliability and which requirements are needed to support a business practice. A part of this project is to modify the requirements so that the Interchange Distribution Calculator will accept market data, thus eliminating the need for the existing regional differences and to make other necessary modifications as identified by stakeholders.

Standard Development Status:

A SAR drafting team was appointed and is working to refine the SAR to meet stakeholder comments. A revised SAR is expected to be posted before the end of 2006.

Standard Review Form		
Project 2006-08 Transmission Loading Relief		
Standard #	IRO-006-3	Comments
Title	Reliability Coordination – Transmission Loading Relief	Okay
Purpose		1 st sentence is scope of job, not purpose – poor wording on 30 minute item. No benefit or value proposition.
Applicability		TO not in Requirements.
Requirements	<i>Conditions</i>	Okay
	<i>Who?</i>	While others are handled within text, PJM/MISO is cited as regional difference but not handled within text. Added SPP regional difference but nothing in text.
	<i>Shall do what?</i>	R1 – need something about overloads or similar wording R2 – uses interregional & sub-regional; check capitalization
	<i>Result or Outcome</i>	Missing
Measures		Single generic statement.
To Do List	FERC NOPR <ul style="list-style-type: none"> o Include a clear warning that TLR procedure is an inappropriate and ineffective tool to mitigate actual IROL violations; o Identify in a Requirement the available alternatives to use of the TLR procedure to mitigate an actual IROL violation; and o Include Measures and Levels of Non-Compliance that address each Requirement. o (see report for comments on regional differences) FERC staff report <ul style="list-style-type: none"> o R2 doesn't address blackout item that TLR shouldn't be used for SOL violation V0 Industry Comments <ul style="list-style-type: none"> o Usage of TLR log questioned o Some inconsistencies with current usage VRF comments <ul style="list-style-type: none"> o R2.1, .2 & .3 – not a requirement, just a suggested instruction o R6 – redundant 	
Misc. Items		Several compliance items missing. Inconsistency in handling ERCOT & western vs. eastern TLR procedure (attachment vs. web link).