

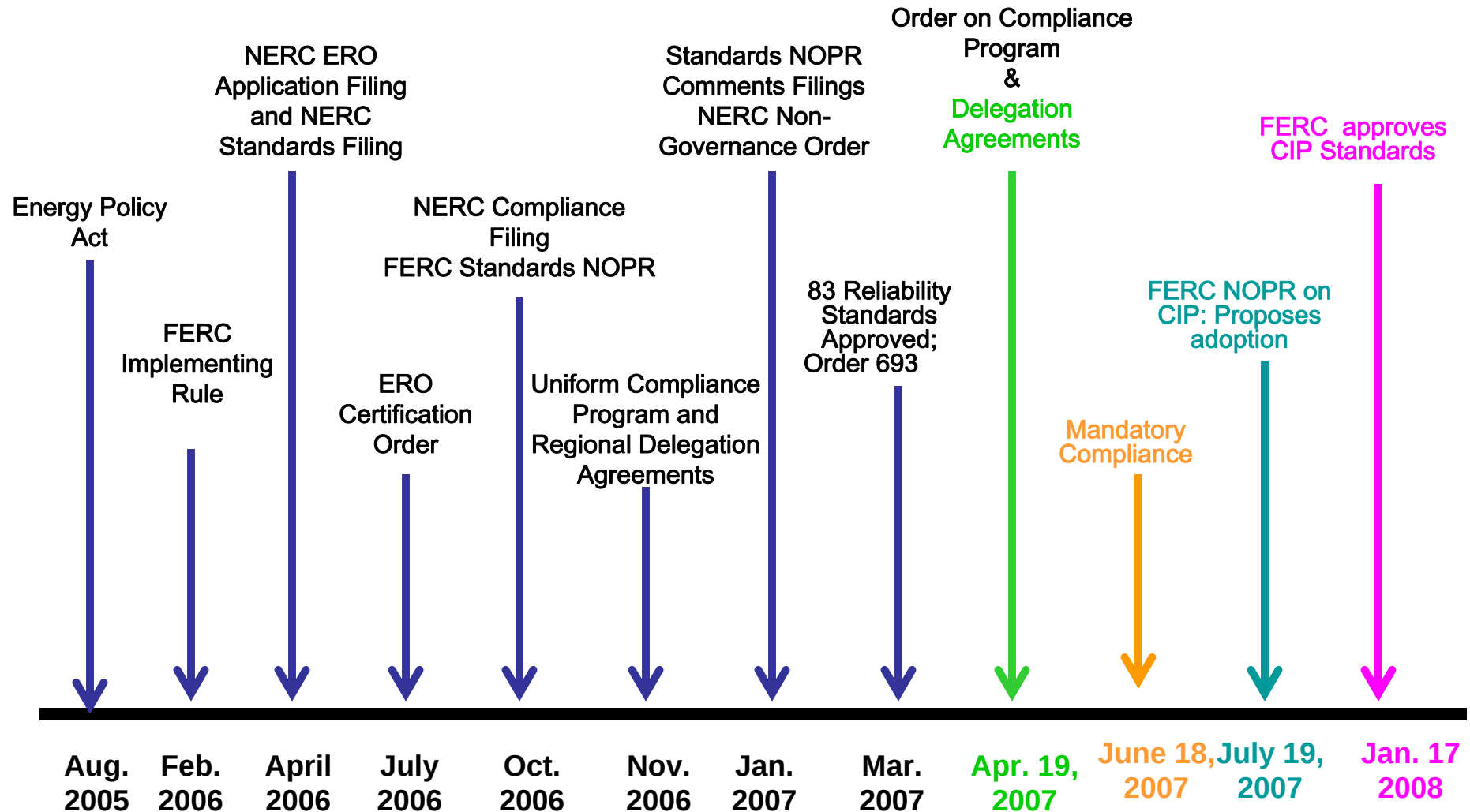
Reliability Standards Committee (RSC)

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Topics

- ERO Implementation Timeline
- Texas RE Standards Development Process
- Texas RE Regional Standards Milestones
- Roles and Responsibilities of RSC
- Key Players in the Standards Development Process
- Process Overview
- Standards Submittal Process
- Where to find the information on the website

ERO Implementation Timeline



ERO Implementation - Regional Delegation Agreements

- Delegated functions
 - Compliance
 - **Regional standards**
- Regional consistency is key
 - Transparency
 - Predictability
 - Uniform outcomes

FEDERAL (Statutory)

Oversee mandatory reliability standards governing the nation's electricity grid to ensure reliability of the nation's electricity transmission grid

FERC

- Develops and monitors enforcement of Continent wide Reliability Standards for the purpose of Bulk Power System Reliability
- Uses penalties and other means against energy organizations and individuals who violate FERC and NERC approved reliability standards in the energy markets
- Dispute resolution associated with compliance review and enforcement processes in case a resolution cannot be achieved at the regional level.

NERC/ERO

- Reports to NERC on NERC Standards and Regional Reliability Standards violations
- Request Revision, Deletion or Development of a Regional Standard

- **Develop Regional Reliability standards**

- Monitor and enforce the continent wide standards, the regional standards and, ERCOT protocols and operating guides within the region

STATE (Non-Statutory)

The Hearing Body in the ERCOT region

PUCT

Reports ERCOT protocol and operating guide violations to PUCT

Texas Regional Entity

Texas RE Standards Development Process

- FERC approved the *Texas RE Reliability Standards Development Process* as part of the delegation agreement on April 19, 2007.
- The latest approved version of the *Texas RE Reliability Standards Development Process* is posted on the Texas RE website in the Reliability Standards section (Planning and Procedures):

<http://www.ercot.com/mktrules/compliance/tre/standards/index.html>

Texas RE Regional Standards Milestones

- Texas RE Board of Directors approved the three Texas RE procedure documents on August 21, 2007
 - [Registered Ballot Body](#)
 - [Reliability Standards Committee](#)
 - [Standards Drafting Team](#)
- Reliability Standards Committee (RSC) was formed in November 2007.
- As of December 1, 2007, Texas RE has 32 entities registered as the Registered Ballot Body (RBB).
- Texas RE is in the process of a Standards Management Tool.

Roles and Responsibilities of RSC

- Review of Regional Standards Authorization Requests (SAR)
- Recommend development, revision or deletion of an ERCOT-Specific Regional Standard.
- Vote to recommend a proposed new or revised Regional Standard to be presented for a vote to all ERCOT Member Participants.
- Refer the proposed standards package to be submitted for BOD approval based on the Stakeholders vote.

Texas RE Reliability Standards Committee Procedure

- Texas RE *Reliability Standards Committee Procedure* is posted on the Texas RE website in the Reliability Standards section (Planning and Procedures):

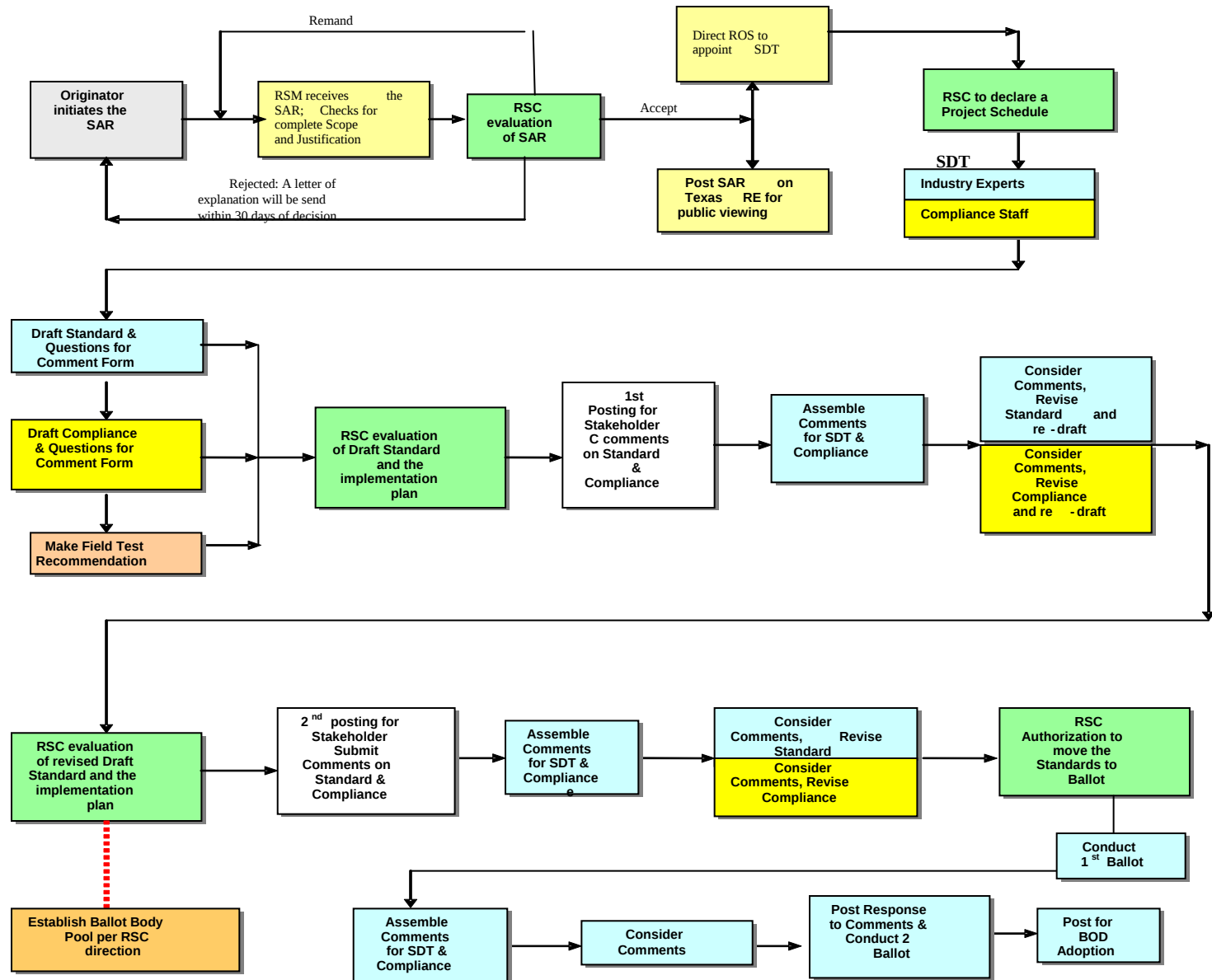
<http://www.ercot.com/mktrules/compliance/tre/standards/index.html>

Key Roles in the Texas RE Standards Development Process

- Requester
- Reliability Standards Committee (RSC)
- Reliability Standards Manager (RSM)
- Reliability and Operations Subcommittee (ROS)
- Standards Drafting Team (SDT)
- Registered Ballot Body (RBB)
 - Ballot Pool
- ERCOT Board of Directors

RSC (Standards Process Owner)	ROS (Technical Advisors)	SDT (Subject Matter Experts)
Reject, remand or approve SARs	Recommend a slate of ad-hoc individuals or pre-existing working group or similar for the Standard Drafting Team	Draft high-quality, enforceable, and technically accurate Regional Standards and related documents
Recommend development, deletion or revision of a Regional Reliability Standard	Review and comment on the SDT final work product	Assess the impact of the SAR on neighboring regions
Prioritize the development of SARs as may be required	Recommend an Interpretation Drafting Team (IDT) P.23 of http://www.ercot.com/mktrules/compliance/tre/standards/rrs/pp/TexasRE%20Standards%20Development%20Process.pdf	Draft an implementation plan, including the nature, extent and duration of field-testing
Verify all the work completed by the SDT	Review the proposed interpretation of the Regional Standards to assure it does not lessen measurability or compromise the technical soundness of the standards	Identification of any existing Standard that otherwise is impacted by the implementation of the draft Standard.

Texas RE Standards Development Process Overview



Standards Submittal Process to NERC

- Proposed regional reliability standards shall be subject to review by NERC, and approval by both NERC Board of Trustees and Federal Energy Regulatory Commission (FERC) or other applicable authorities in Canada and Mexico before becoming mandatory and enforceable.
- The latest version of NERC Regional Reliability Standards Evaluation Procedure is found at:

[www.nerc.com/pub/sys/all_updl/sac/rrswg/NERC Regional Reliability Standards Development Procedure Version%200-0%202007-06-15_dwt.pdf](http://www.nerc.com/pub/sys/all_updl/sac/rrswg/NERC_Regional_Reliability_Standards_Development_Procedure_Version%200-0%202007-06-15_dwt.pdf)

Standards Submittal Process to NERC (cont.)

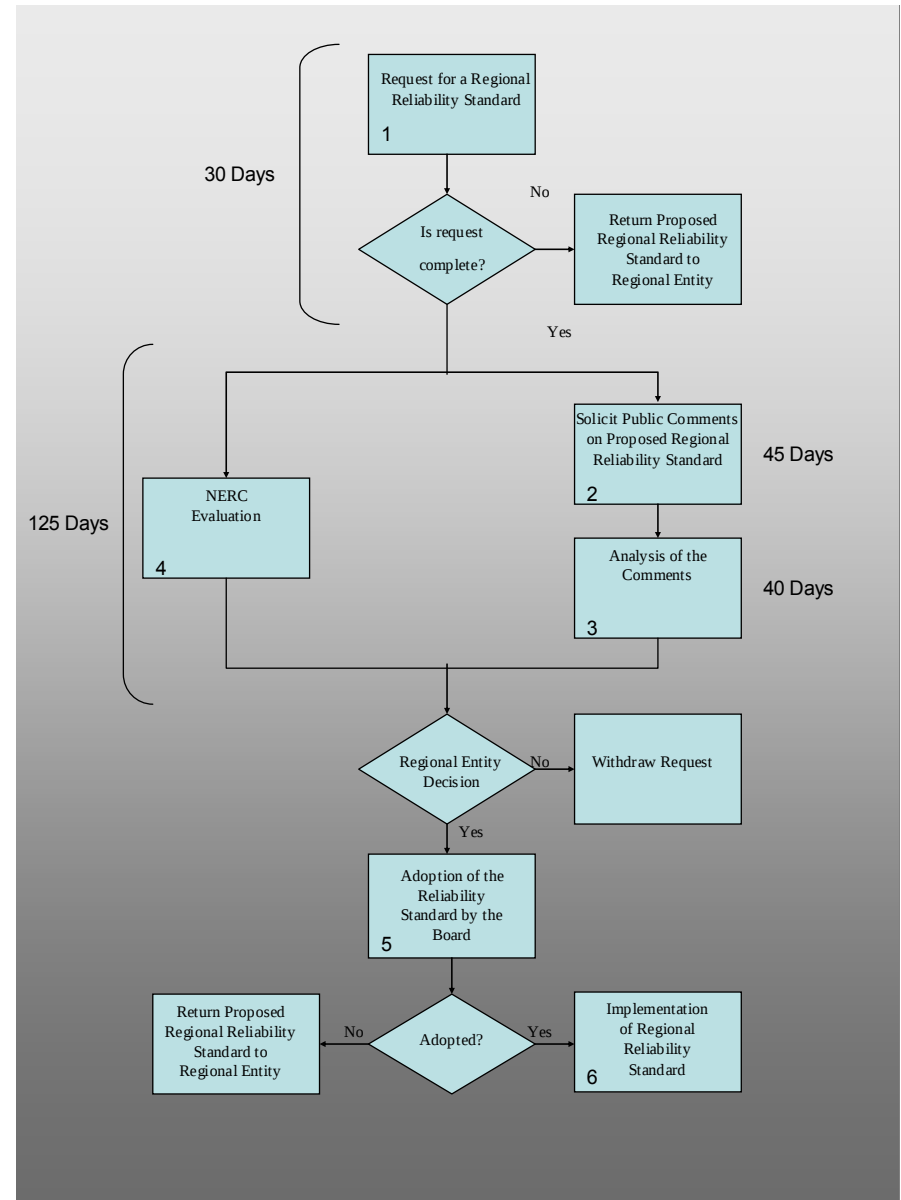
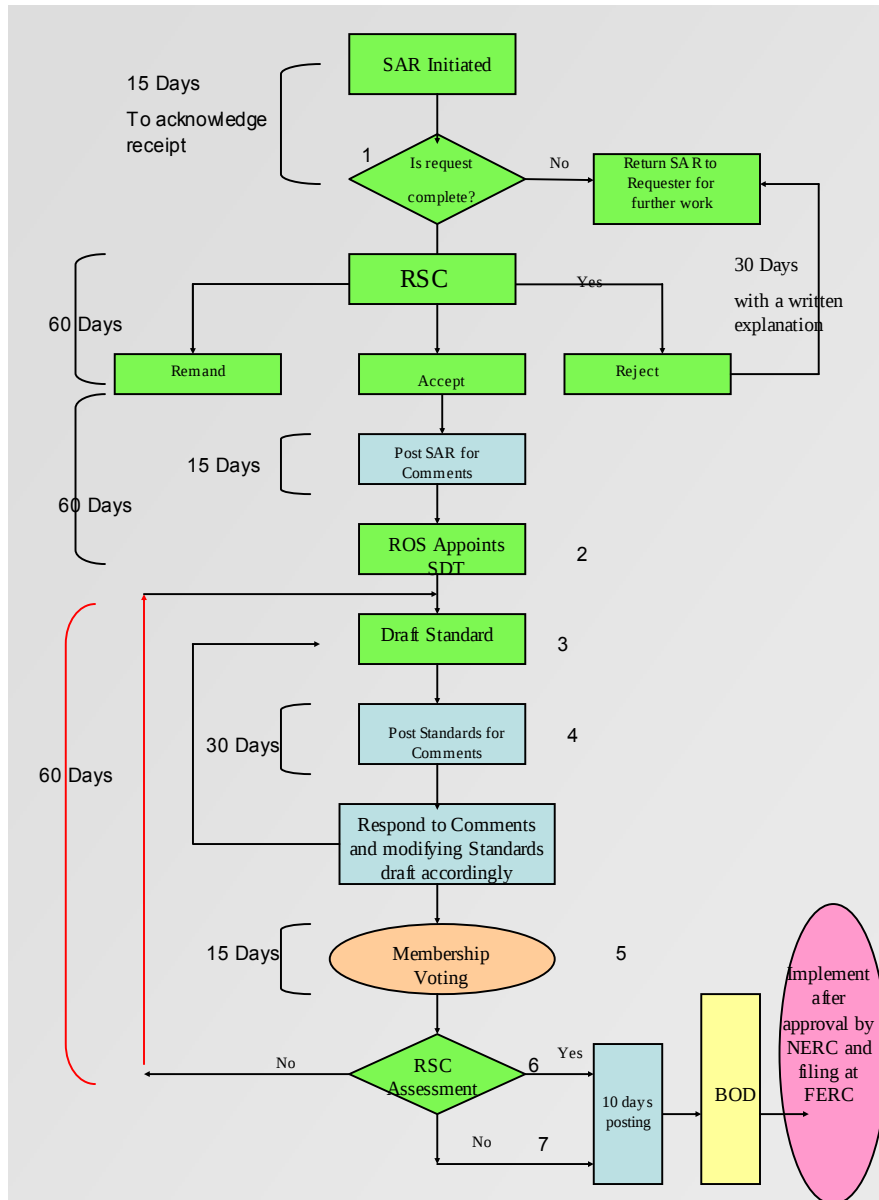
- There are main milestones during the SDP when NERC must be notified
 - SAR is accepted by RSC
 - Public comments are solicited on Draft Regional Reliability Standard
 - Draft standard has moved to Membership Voting
 - The draft standard is approved by the Board of Directors

Texas RE Regional Standards Submittal Process

- Texas RE Process for submitting a regional standard, a regional variance or a change to the standards development process to NERC for approval and subsequent filing in FERC is posted on the Texas RE website in the Reliability Standards section (Planning and Procedures):

<http://www.ercot.com/mktrules/compliance/tre/standards/index.html>

Regional Standards Process Timeline



Reliability Standards Web Section



News | Careers | Contact Us

About ERCOT | Services | Committees and Groups | **Market Rules** | Market Information | Grid Information

www.ercot.com/mktrules/compliance/tre/standards/index.html

Home > Market Rules > Compliance > Texas Regional Entity > Reliability Standards

Protocols
Guides
System Changes
Compliance
Compliance Investigations
ERCOT Performance Metrics
ERCOT Protocol-Specific Compliance Program
Texas Regional Entity

RELIABILITY STANDARDS

[Show All Documents](#)

A reliability standard defines certain requirements of entities that own, operate, plan and use the bulk power systems of North America.

North American Electric Reliability Corporation Reliability Standards

The North American Electric Reliability Corporation (NERC) has been certified by the Federal Energy Regulatory Commission (FERC) as the Electric Reliability Organization (ERO). NERC works with all stakeholder segments of the electric industry to develop standards for the reliable planning and operation of the bulk power systems.

Below is information on FERC-approved mandatory NERC reliability standards, information, visit the NERC website to see [FERC-approved standards](#); [standards approved by the NERC Board of Trustees](#); and [NERC standards under development](#). To locate NERC messages on standards, visit [NERC Announcements](#).

Documentation

Regional Reliability Standards

A regional entity may develop, through its own FERC-approved regional reliability development procedure, regional reliability standards that go beyond, add to or implement NERC reliability standards, or that cover matters not addressed in standards.

Below is information on the regional standards being developed by the Texas (RE).

Planning and Procedures

Texas Regional Entity Standards Development Process

Process for development, revision, reaffirmation and withdrawal of a regional reliability standard
November 29, 2006
(01/08/08, .pdf, 208 KB)

Reliability Standards Committee Procedures

Document defining the roles and responsibilities of the Reliability Standards Committee (RSC), which reviews regional Standards Authorization Requests (SARs) and subsequent recommendations

Planning and Procedures

Texas Regional Entity Standards Development Process

Process for development, revision, reaffirmation and withdrawal of a regional reliability standard, November 29, 2006
(01/08/08, .pdf, 208 KB)

Reliability Standards Committee Procedures

Document defining the roles and responsibilities of the Reliability Standards Committee (RSC), which reviews regional Standards Authorization Requests (SARs) and subsequent recommendations for revisions, deletions or development of ERCOT-specific standards
(01/08/08, .pdf, 84 KB)

Standard Drafting Team Procedures

Document explaining the responsibilities and tasks for standard drafting teams (SDTs), which are appointed by the Reliability and Operations Subcommittee to develop the technical details of new or revised regional standards as defined in the Texas RE Reliability Standard Development Process
(01/08/08, .pdf, 47 KB)

Registered Ballot Body Procedures

Procedures for establishing the registered ballot body (RBB) and the subsequent registered ballot pool (RBP) for the purpose of voting by ERCOT membership on proposed regional reliability standards
(01/08/08, .pdf, 39 KB)

Standards Submittal Procedure

Process for submitting a regional standard, a regional variance or a change to the standards development process to NERC for approval and subsequent filing in FERC
(01/04/08, .pdf, 67 KB)

Numbering Convention for NERC Regional Reliability Standards

Approved numbering convention
(08/22/07, .doc, 45 KB)

RSC Tentative meeting schedule 2008

Tentative 2008 Meeting Dates for the Reliability Standards Committee
(11/28/07, .xls, 38 KB)

Documentation

Forms

Related Correspondence



RSC
1.29.2008



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