



NERC Reliability Standards - Development Process: Involvement & Needs

Khaqan Khan

January 14, 2004, Toronto Congress Centre

Objective of Presentation

- To inform participants about the NERC Standards Development Process
- To make aware that IMO is participating actively in this process
- To present opportunities for market participants for more involvement
- Solicit feedback from participants on information and involvement needs

Introduction

- NERC Develops standards, certifies personnel and companies, monitors compliance
- ANSI certified standards development process
- New NERC Standards (BES Reliability Planning and Operation
- IMO actively participates in the Standards Development Process as per market rules

Standards in Development

Standards Under Development	Progress Through the Steps in the Standards Development Process											Status
	SAR Development				Standard Development				Approval & Implementation			
	Submit	Post	Solicit	Auth.	Draft	Post	Test	Anal.	Ballot	Adopt	Impl.	
Urgent Action												
1200 - Cyber Security (Urgent Action)												Adopted by Board
Reliability Standards												
100 - Coordinate Operations												
200 - Operate Within Interconnected Reliability Operating Limits												
300 - Balance Resources and Demand												
400 - Coordinate Interchange												
500 - Assess Transmission Future Needs and Develop Transmission Plans												
600 - Determine Facility Ratings, Operating Limits, and Transfer Capabilities												
700 - Define (Physical) Connection Requirements												
800 - Design, Install, and Coordinate Control and Protection Systems												
900 - Monitor and Analyze Disturbances, Events, and Conditions												
1000 - Prepare for and Respond to Abnormal or Emergency Conditions												
1100 - Prepare for and Respond to Blackout or Island Conditions												
1300 - Cyber Security (Permanent)												

NERC Standards Development Process



Highlights

- Process open to all (Requests by parties - response to postings)
- Two-stage approval: SAR (scope) and actual standard
- Weighted sector voting: only broadly acceptable standards will be approved
- Balloting (Second ballot, if required)
- Appeals (Level 1 & 2)
- IMO has been participating & developing positions with regards to Ontario

Guidelines for Participation

Registered Ballot Body - Comprises all organizations, and entities that:

- Qualify for one of the segments, and
- Registered with NERC as potential ballot participants
- Current with any designated fees.

Segments

1. Transmission Owners
2. RTOs, ISOs, and RRCs
3. Load Serving Entities (LSEs)
4. Transmission Dependent Utilities (TDUs)
5. Electric Generators
6. Brokers, Aggregators, & Marketers
7. Large End-Use Customers
8. Small End-Use Customers
9. Regulators or Other Gov't Entities

Conclusions and Next Steps

- Standards under development
- Market Participants may:
 - participate in NERC Standards Development Process
 - join in balloting for consensus development of standards
- The IMO shall continue to represent Ontario in the Reliability Standards Development Process

Feed back from Participants

- To what extent are participants interested in becoming involved in this process?
- What are expectations of participants for information about this process?

References and Links

- NERC Reliability Standards

<https://www.nerc.net/standards/ReliabilityStandards.aspx?tabindex=0&tabid=23>

- NERC Reliability Standards Process Manual

<http://www.nerc.com/standards/newstandardsprocess.html>

- Registered Ballot Body Listing

<https://www.nerc.net/standards/ReliabilityStandards.aspx?tabindex=1&tabid=5>

- Standards Under Development

<https://www.nerc.net/standards/ReliabilityStandards.aspx?tabindex=2&tabid=14>