NPCC 2010 TFIST Workshop

NPCC Standards Program Area Overview

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Overview:

- Results Based Standards Initiative
- Regional Standards Committee “RSC”
- NERC Compliance Application Notices
- NPCC Criteria/Directories Project
- NPCC Regional Reliability Standards
- Stakeholder Opportunities
- Website
Results Based Standards

- Ensure that NERC Reliability Standards have the greatest possible positive effect on BPS reliability
  - Achieve a portfolio of performance, risk, and competency-based requirements
  - Provide an effective defense-in-depth strategy
  - Achieve an adequate level of reliability
  - Identify a clear and measurable expected outcome
Results Based Standards

- **Structure:**
  - Who (applicability)
  - Under what conditions (if any)
  - Shall perform what action (requirement)
    - Performance Based
    - Risk Based
    - Competency Based
  - To achieve what particular result or outcome that reduces a stated risk to the reliability of the bulk power system
Results Based Standards

- SC approved FAC-003 – Transmission Vegetation Management for “proof of concept”
  - Technical development largely completed
  - Informal Posting completed
- Ad Hoc RBSWG to recommend further standards for development
- All newly initiated Projects will begin implementing the results based initiative-requirements.
Results Based Standards

**Rationale:** The requirement is for once per calendar year because that seems to be a reasonable length of time for a majority of situations. Transmission Owners should consider local and environmental factors that could warrant more frequent inspections that may affect reliability.

**R6.** Each Transmission Owner shall perform a Vegetation Inspection of all applicable transmission lines at least once per calendar year.

**M6** Each Transmission Owner has evidence that it conducted Vegetation Inspections at least once per calendar year for applicable Transmission lines. Examples of acceptable forms of evidence may include work orders, invoices, or inspection records.
Results Based Standards (Next Steps)

- Finalize proof of concept
  - Project 2007-07 Vegetation Management (FAC-003-2)
  - Revised format of standard proposed by the Standards Committee Process Subcommittee
- Complete development and ballot by August, 2010
- Develop an orientation and training program for NERC staff and drafting teams on applying the results-based methodology
  - Develop templates and other job aids to assist in constructing results-based standards
NPCC must continue to review the proof of concept results-based standards for issues such as:

- Rationale Boxes
- Effective Dates
- Administrative Section “Requirements”
- Guidelines and supporting information in Appendices
- FERC approvals of “what” and the enforceability of what parts?
Regional Standards Committee

- Comments on NERC/ERO and Adjoining Regional Standards
- Develop Ballot Recommendations for NERC/ERO Standards and Interpretations
- Participate in NERC Standards drafting and influence processes through various groups
- Oversee the Development of NPCC Regional Standards:
  - Disturbance Monitoring
  - Special Protection Systems
  - Balancing Authority Controls and Reserve Sharing
  - Underfrequency Load Shedding (UFLS)
- Oversee the Development of NPCC Regional Directories
- Regional Delegation Agreement-Standards Program Area
In effect as of September 7, 2010
Better prioritization of projects and processing of SARs
Informal Comment Periods
Quality Reviews Before Final Posting
Redrafting allowed between comment periods.
Some concurrent activities are now allowed
Interpretations process improvements
Improved definition/term development
Multiple ballots will be allowed
NERC Stds. Dev. Proc. continued

**Process**

1. **Project Identified In Reliability Standards Development Plan**
   - Post SAR for 30-day Informal Comment Period
   - Form Drafting Team

2. **Develop Preliminary Draft of Standard, Implementation Plan, VRFs & VSLs**
   - Conduct Field Test
   - Collect Informal Feedback

3. **Form Ballot Pool During 1st 30 Days of 45-day Formal Comment Period**
   - Conduct Quality Review & Obtain Standards Committee Approval to Post for Comment
   - Post Draft Standard, Implementation Plan, VRFs & VSLs for 30-day Formal Comment Period

4. **Conduct Quality Review & Obtain Standards Committee Approval to Post for Comment & Ballot**
   - Conduct ballot during last 10 days of Formal Comment Period
   - Post Response to Comments

5. **Conduct Formal Comment Period (1st is 45 days, others 30 days)**
   - Conduct Ballot During Last 10 Days of Formal Comment Period
   - Conduct Poll of VRFs and VSLs During Last 10 Days of Formal Comment Period
   - Post Response to Comments

6. **Submit Standard to BOT for Adoption & VRF’s/VSL’s for Approval**
   - Submit all Approved Documents to Governmental Authorities for Approval

7. **Conduct 10-day Recirculation Ballot**
NERC Stds. Dev. Proc. continued

Anticipated Gains in Efficiencies

- **Project management**
- **SAR processing**
- **Informal stakeholder comments**
- **Single Drafting team formation & support**
- **Quality control**
- **Concurrent formal comment & balloting**
- **Vetting interpretations**
NERC Compliance Application Notice

- CANS provide a rapid response to queries and issues
- CANS are generally Application or Applicability
- No new or modification to existing Requirements
- CANS effective 90 days after issuance
- CANS reviewed annually and retired once standard is retired or modified
NERC Compliance Application Notice

**CANs DRAFT Process:**

- **Identification**: NERC, Regions, Regulators or Industry
- **Initiation**: Compliance Ops gathers data, prepares initial draft of Options
- **General Interface**: Gathers comments, solidify recommendation, submit to SMEs, Cross Check
- **Legal Interface**: Incorporate legal comments, another cross check
- **Technical Interface**: Gather comments and redraft and cross check
- **Publish**
NPCC Directories

- **Comprehensive Document by Topic**
  - Incorporate Criteria, Guide & Procedure Documents (A, B and C respectively)
- **Remove Redundancies with NERC Stds.**
- **Mapping document on NPCC Website.**
  - What went where?
  - Task Force Responsibilities Document
  - Glossary of Terms
- **Incorporate Functional Model**
- **7 Directories approved by Full Members**
- **Directory Project Phase 1 completion 2010.**
- **Phase 2-Rewrite into Requirement format**
  - Format to Achieve Consistency with RS and ease compliance determinations.
NPCC Directories

- **Applicability of Criteria within Directories**
  - Full Members of NPCC
  - NYS Law – “Carveout” EPAct 2005
  - Other Contractual Obligations
    - Interconnection Agreements
    - ISO Tariffs or Market Contracts
- **Final Directories Under Development:**
  - Directory #5 Operating Reserve
- **Directory #1 Design and Operation of the Bulk Power System- Phase 2-under review- Coordinate with TPL activities-**
PRC-006-NPCC-01 Automatic Underfrequency Load Shedding Program

- Regional UFLS Program approved by RCC Nov 2008- 4 blocks plus an additional anti-stall.
- Initial draft developed and posted to the Open Process.
- NPCC Drafting Team developing responses to comments received in the Open Process.
- UFLS issues considered by the RSDT:
  - Generators tripping above the curve
  - Small entities with few distribution feeders
  - Implementation plans
- Anticipated Regional approvals end of 2010.
NPCC Regional Standards

- **PRC-002-NPCC-01 Disturbance Monitoring**
  - NPCC BOD Approved January 2010
  - Submitted to NERC for review and approval by the NERC BOT
  - Standard will then be submitted to FERC and the appropriate Canadian Provincial Authorities
  - Anticipated FERC approvals December 2010. Directives?
Stakeholder Opportunities

Registered Entity

NERC Registered Ballot Body

NERC Ballot Pool

NPCC General Member

NERC Member

NPCC Full Member
Pursuant to the execution and implementation of a Regional Delegation Agreement with the Electric Reliability Organization ("ERO") and applicable Canadian Memoranda of Understanding that are backstopped by the Federal Energy Regulatory Commission ("FERC") and Canadian Provincial authorities, Northeast Power Coordinating Council, Inc. (NPCC), has been delegated the authority by the ERO to create Regional Standards to enhance the reliability of the international, interconnected bulk power system in Northeastern North America. These Regional Standards will be more specific and/or more stringent than the ERO Reliability Standards. Regional Standards will be developed and revised according to a NERC ERO and FERC approved NPCC Regional Reliability Standards Development Procedure. In the development and enforcement of Regional Reliability Standards, NPCC, to the extent possible, facilitates attainment of fair, effective, efficient, and competitive electric markets while providing an open, transparent, fair and inclusive process that has no financial barriers to participation. Anyone can submit a Regional Standards Authorization Request to develop a new, or revise an existing Regional Standard.

These Standards will, in all cases, not be inconsistent with or less stringent than any requirements of the North American Electric Reliability Council/Electric Reliability Organization (NERC/ERO) Reliability Standards. Each regional reliability standard shall enable or support one or more of the NERC reliability principles, thereby ensuring that each standard serves a purpose in support of the reliability of the regional bulk power system. Each standard shall also be consistent with all of pertinent reliability principles and criteria, thereby ensuring that no standard undermines reliability through an unintended consequence.

All questions related to the NPCC Regional Reliability Standards Development Procedure and processes, appeals process, and requests for interpretation of NPCC Regional Standards should be directed to the NPCC Regional Standards Process Manager (RSPM) at NPCCstandard@npcc.org.
Questions or Comments?