

Scope Document
For
Operate Within Interconnection Reliability Operating Limits

NAESB WEQ Executive Committee

Standards Review Subcommittee

September 9, 2003

NAESB Standard Request # R03017

Introduction

The North American Electric Reliability Council has sought to establish an industry standard for establishing requirements for the operation of the interconnected bulk power system within specified operating limits. NAESB's Standards Review Subcommittee seeks to evaluate the need for establishing standard business practices to complement the reliability requirements set forth by NERC.

NERC Proposed Standard and date:

200 – Operate Within Interconnection Reliability Operating Limits, July 1, 2003

201 - Interconnection Reliability Operating Limit Identification, July 1, 2003

202 – Monitoring, July 1, 2003

203 – Analyses and Assessments, July 1, 2003

204 –Actions, July 1, 2003

205 – Data Specification & Collection, July 1, 2003

206 – Data Provision, July 1, 2003

207 – Action Plan, July 1, 2003

208 – Reliability Authority Directives, July 1, 2003

Purpose of NERC Operate Within Interconnection Reliability Operating Limits Standard

The proposed NERC Reliability standard seeks to prevent instability, uncontrolled separation, or cascading outages that adversely impact the reliability of the bulk transmission system.

This NERC standard will address the following areas:

- Identification of system operating limits.
- Monitoring of the system for operating limits.
- Analyze and assess system conditions based on monitored system limits.
- Specify data and collection needed for monitoring system limits.
- Action plan utilized by operators to maintain operations within system limits.
- Requirements apply to entities performing various electric system functions, as defined in the NERC Functional Model.

Items for a Companion Business Practice Standard

The Standards Review Subcommittee has identified the need for a NAESB Business Practice Standard that allows for regional differences and includes the following:

- Practices for management of system operating limit relief and reloading including:
 - Timing
 - Priority
 - Magnitude
 - Duration
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- Practices for system operating limit relief and reloading processes including:
 - Types of methodologies used
 - Informing parties of the reloads and the methodologies used
 - Affected Parties communicating their agreement on the reloads.

The NERC proposed standard impacts the following NAESB activities/standards:

- Coordinate Interchange Business Practices
- Coordinate Operations Business Practices

Issues for consideration by NAESB during business practice standard development:

The NERC proposed standard raises the following possible business practice concerns and questions to the NAESB Executive Committee:

NERC requires that the operators of the bulk transmission system have in place procedures to effectively manage transactions in the event of overload on the system. These procedures may impact tariff service priorities and affect commercial market transactions that transpire both within and between markets.

Standard Terminology will be developed by the NAESB and NERC drafting teams. Within the Wholesale Electric Quadrant of NAESB, the NAESB drafting teams will use similar definitions where the definitions are appropriate. Where NERC definitions are appropriate, NAESB will seek to use them.

Developing business practices for curtailment processes may entail that all transactions are tagged.

There are questions on whether the development will be focused on North American standard, a standard encompassing regional differences, or if the standard will be primarily a communication standard to be applicable on a North American basis.

Regarding the list of facilities subject to the interconnection reliability operational limits, will this list be the only set of facilities employed by both NERC for reliability requirements as well as a NAESB Business Practice Standard?

Other issues to be addressed during business practice standard development:

1. Will the NERC OWL drafting team prepare standards for the development and communication of the list of facilities that are subject to the interconnection reliability operational limits? Should this list be the only set of facilities employed by both NERC for reliability requirements as well as a NAESB Business Practice Standard?

2. Will the NERC OWL team develop standards for the notification of curtailments? Between which functional entities?
3. Similarly, will the NERC OWL drafting team be asked to develop standards for the notification of reloading?
4. Does NERC expect NAESB to develop complementary OWL standards that are focused on North American standard, a standard encompassing regional differences, or if the standard will be primarily a communication standard to be applicable on a North American basis.

Comments Received by September 10, 2003:

No comments received on September 10, 2003.