

Standard Development Roadmap

This section is maintained by the drafting team during the development of the standard and will be removed when the standard becomes effective.

Modified to address Order No. 693 Directives contained in paragraphs 565 and 582.

Development Steps Completed:

1. SAR posted for comment (June 18, 2010 through July 13, 2010).
2. First draft of proposed standard posted (June 18, 2010 through July 13, 2010).
3. Posted for 15-day pre-ballot review (June 18 – July 2, 2010).

Proposed Action Plan and Description of Current Draft:

This is the first draft of the proposed standard. The modifications included in this standard are being proposed through an expedited process in order to be responsive to directives from FERC Order No. 693.

Future Development Plan:

Anticipated Actions	Anticipated Date
1. Conduct initial ballot on a line-item basis.	July 3 – 13, 2010
2. Post response to comments on initial ballot.	July 20, 2010
3. Conduct recirculation ballot.	July 20 – 30, 2010
4. Submit standard to BOT for adoption.	August 2010
5. File standard with regulatory authorities.	September 2010

Definitions of Terms Used in Standard

This section includes all newly defined or revised terms used in the proposed standard. Terms already defined in the Reliability Standards Glossary of Terms are not repeated here. New or revised definitions listed below become approved when the proposed standard is approved. When the standard becomes effective, these defined terms will be removed from the individual standard and added to the Glossary.

None.

A. Introduction

1. **Title:** **Emergency Operations Planning**
2. **Number:** EOP-001-~~1~~2
3. **Purpose:** Each Transmission Operator and Balancing Authority needs to develop, maintain, and implement a set of plans to mitigate operating emergencies. These plans need to be coordinated with other Transmission Operators and Balancing Authorities, and the Reliability Coordinator.
4. **Applicability**
 - 4.1. Balancing Authorities.
 - 4.2. Transmission Operators.
5. **(Proposed) Effective Dates:** The first day of the first calendar quarter six months after applicable regulatory approval; or in those jurisdictions where no regulatory approval is required, the first day of the first calendar quarter six months after Board of Trustees' adoption.

B. Requirements

- R1. Balancing Authorities shall have operating agreements with adjacent Balancing Authorities that shall, at a minimum, contain provisions for emergency assistance, including provisions to obtain emergency assistance from remote Balancing Authorities.
- R2. Each Transmission Operator and Balancing Authority shall:
 - R2.1. Develop, maintain, and implement a set of plans to mitigate operating emergencies for insufficient generating capacity, including emergencies that arise due to a lack of transmission capability and those whose mitigation plans are hindered by a lack of transmission capability.
 - R2.2. Develop, maintain, and implement a set of plans to mitigate operating emergencies on the transmission system.
 - R2.3. Develop, maintain, and implement a set of plans for load shedding.
 - R2.4. Develop, maintain, and implement a set of plans for system restoration.
- R3. Each Transmission Operator and Balancing Authority shall have emergency plans that will enable it to mitigate operating emergencies. At a minimum, Transmission Operator and Balancing Authority emergency plans shall include:
 - R3.1. Communications protocols to be used during emergencies.
 - R3.2. A list of controlling actions to resolve the emergency. Load reduction, in sufficient quantity to resolve the emergency within NERC-established timelines, shall be one of the controlling actions.
 - R3.3. The tasks to be coordinated with and among adjacent Transmission Operators and Balancing Authorities.
 - R3.4. Staffing levels for the emergency.
- R4. Each Transmission Operator and Balancing Authority shall consider, and if appropriate include, the applicable elements in Attachment 1-EOP-001-0 when developing an emergency plan.
- R5. The Transmission Operator and Balancing Authority shall annually review and update each emergency plan. The Transmission Operator and Balancing Authority shall provide a copy of

its updated emergency plans to its Reliability Coordinator and to neighboring Transmission Operators and Balancing Authorities.

R6. The Transmission Operator and Balancing Authority shall coordinate its emergency plans with other Transmission Operators and Balancing Authorities as appropriate. This coordination includes the following steps, as applicable:

- R6.1.** The Transmission Operator and Balancing Authority shall establish and maintain reliable communications between interconnected systems.
- R6.2.** The Transmission Operator and Balancing Authority shall arrange new interchange agreements to provide for emergency capacity or energy transfers if existing agreements cannot be used.
- R6.3.** The Transmission Operator and Balancing Authority shall coordinate transmission and generator maintenance schedules to maximize capacity or conserve the fuel in short supply. (This includes water for hydro generators.)
- R6.4.** The Transmission Operator and Balancing Authority shall arrange deliveries of electrical energy or fuel from remote systems through normal operating channels.

C. Measures

- M1.** The Transmission Operator and Balancing Authority shall have its emergency plans available for review by the Regional Reliability Organization at all times.
- M2.** The Transmission Operator and Balancing Authority shall have its two most recent annual self-assessments available for review by the Regional Reliability Organization at all times.

D. Compliance

1. Compliance Monitoring Process

1.1. Compliance ~~Monitoring Responsibility~~ Enforcement Authority

~~Regional Reliability Organization~~ Regional Entity.

1.2. Compliance Monitoring Period and Reset Time Frame

~~The Regional Reliability Organization shall review and evaluate emergency plans every three years to ensure that the plans consider the applicable elements of Attachment 1-EOP-001-0.~~

~~The Regional Reliability Organization may elect to request self-certification of the Transmission Operator and Balancing Authority in years that the full review is not done.~~

~~Reset: one calendar year.~~ Not applicable.

1.3. Compliance Monitoring and Enforcement Processes:

Compliance Audits

Self-Certifications

Spot Checking

Compliance Violation Investigations

Self-Reporting

Complaints

~~1.3.1.4.~~ 1.3.1.4. **Data Retention**

Current plan available at all times.

~~1.4.1.5.~~ 1.4.1.5. **Additional Compliance Information**

~~Not specified.~~ None.

2. Violation Severity Levels (changes only):

Requirement	Lower	Moderate	High	
R4	<p>The <u>Responsible Entity</u> cannot demonstrate that it considered or addressed one of the appropriate elements listed in the attachment. Transmission Operator and Balancing Authority's emergency plan has complied with 90% or more of the number of sub-components.</p>	<p>The <u>Responsible Entity</u> cannot demonstrate that it considered or addressed two of the appropriate elements listed in the attachment. Transmission Operator and Balancing Authority's emergency plan has complied with 70% to 90% of the number of sub-components.</p>	<p>The <u>Responsible Entity</u> cannot demonstrate that it considered or addressed three of the appropriate elements listed in the attachment. Transmission Operator and Balancing Authority's emergency plan has complied with between 50% to 70% of the number of sub-components.</p>	<p>The <u>Responsible Entity</u> cannot demonstrate that it considered or addressed four or more of the appropriate elements listed in the attachment. Transmission Operator and Balancing Authority's emergency plan has complied with 50% or less of the number of sub-components</p>

E. Regional Differences

None identified.

Version History

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New
0	August 8, 2005	Removed “Proposed” from Effective Date	Errata
1		Deleted R2 Replaced Levels of Non-compliance with the February 28, 2008 BOT approved Violation Severity Levels Corrected typographical errors in BOT approved version of VSLs	Revised
<u>2</u>	<u>TBD</u>	<u>Modified to address Order No. 693 Directives contained in paragraphs 565 and 582.</u>	<u>Revised.</u>

Attachment 1-EOP-001-0

Elements for Consideration in Development of Emergency Plans

1. Fuel supply and inventory — An adequate fuel supply and inventory plan that recognizes reasonable delays or problems in the delivery or production of fuel.
2. Fuel switching — Fuel switching plans for units for which fuel supply shortages may occur, e.g., gas and light oil.
3. Environmental constraints — Plans to seek removal of environmental constraints for generating units and plants.
4. System energy use — The reduction of the system's own energy use to a minimum.
5. Public appeals — Appeals to the public through all media for voluntary load reductions and energy conservation including educational messages on how to accomplish such load reduction and conservation.
6. Load management — Implementation of load management and voltage reductions, if appropriate.
7. Optimize fuel supply — The operation of all generating sources to optimize the availability.
8. Appeals to customers to use alternate fuels — In a fuel emergency, appeals to large industrial and commercial customers to reduce non-essential energy use and maximize the use of customer-owned generation that rely on fuels other than the one in short supply.
9. Interruptible and curtailable loads — Use of interruptible and curtailable customer load to reduce capacity requirements or to conserve the fuel in short supply.
10. Maximizing generator output and availability — The operation of all generating sources to maximize output and availability. This should include plans to winterize units and plants during extreme cold weather.
11. Notifying IPPs — Notification of cogeneration and independent power producers to maximize output and availability.
12. Requests of government — Requests to appropriate government agencies to implement programs to achieve necessary energy reductions.
13. Load curtailment — A mandatory load curtailment plan to use as a last resort. This plan should address the needs of critical loads essential to the health, safety, and welfare of the community. Address firm load curtailment.
14. Notification of government agencies — Notification of appropriate government agencies as the various steps of the emergency plan are implemented.
15. Notifications to operating entities — Notifications to other operating entities as steps in emergency plan are implemented.