Unofficial Comment Form

Project 2007-11 Disturbance Monitoring

Please **DO NOT** use this form for submitting comments. Please use the [electronic form](https://www.nerc.net/nercsurvey/Survey.aspx?s=f872dcc2d7404d088b6c3cbaa49e6151) to submit comments on the Standard Authorization Request (SAR). The electronic comment form must be completed by 8 p.m. Eastern on **December 16, 2013**.

If you have questions please contact [Barb Nutter](mailto:barbara.nutter@nerc.net) via email or by telephone at 404-446-9692.

Click here for the [Project Page](http://www.nerc.com/pa/Stand/Pages/Project_2007-11_Disturbance_Monitoring.aspx).

## Background Information

Project 2007-11 Disturbance Monitoring was initiated to replace the existing fill-in-the-blank Standard PRC-002-1 Define Regional Disturbance Monitoring and Reporting Requirements with a more comprehensive standard. (Fill-in-the-blank standards are those standards that depend on regional criteria or procedures not currently contained within certain Reliability Standards, but which are needed to provide additional requirements for implementing the standards within the Regions.)

In its Order 693 (March 16, 2007) FERC did not approve or remand PRC-002-1 “…because the regional requirements for installing Disturbance Monitoring Equipment had not been submitted.” FERC, in Order 693 did approve PRC-018-1. Similar to PRC-002-1, PRC-018-1 contained Regional Reliability Organization (the term Regional Reliability Organization used in PRC-018-1, now Regional Entity) requirements. FERC stated that PRC-018-1 ensured “that disturbance monitoring equipment is installed and disturbance data is reported in accordance with comprehensive requirements.” Project 2007-11 was moved to informal development in the Fall of 2010. The Project was restored to formal development status in January, 2013.

The Purpose of PRC-002-2 is “To have adequate data available to facilitate event analysis of Bulk Electric System (BES) disturbances.” For Sequence of Events and Fault Recording, the Drafting Team decided that it was more practical to require recording, not require equipment, to capture adequate information to analyze BES disturbances. An entity must have data recorded that could determine abnormal disturbance values at a location. It is not the “how”, but the “what” regarding data capture. The Drafting Team set up a Monitored Value Analysis Team that looked at three phase bolted bus short circuit MVA data received from members of the Drafting Teams. The Team determined that as long as data was captured for analysis from buses, the Bulk Electric System response to a disturbance could be determined. An Informal Request for Information was posted to industry from June 5, 2013 through July 5, 2013 for short circuit data from around the continent. The information received confirmed the team’s analysis. The Drafting Team developed a Locations Selection Methodology which is Attachment 1 in PRC-002-2.

For Dynamic Disturbance Recording, Requirements define the locations Dynamic Disturbance Recording data must be captured for.

The Drafting Team developed three new definitions that are used and included in the posted PRC-002-2:

Dynamic Disturbance Recording (DDR), Fault Recording (FR), Sequence of Events Recording (SOER)

These definitions will be added to the NERC Glossary of Terms Used in Reliability Standards.

Transmission Owners and Generator Owners will be responsible for the majority of the Requirements in PRC-002-2. Responsible Entities include Planning Coordinators and Reliability Coordinators, as applicable. Each Responsible Entity will be responsible to identify BES Elements for Dynamic Disturbance Recording.

This Project will replace PRC-002-1 with PRC-002-2, and allow the retirement of PRC-018-1.

**Transmission Owners – Please note the following:**

Requirement R1 requires each Transmission Owner to identify BES bus locations for Sequence of Events Recording (SOER) and Fault Recording (FR). The bus locations are identified using *PRC-002-2 Attachment 1 – Sequence of Events Recording (SOER) and Fault Recording (FR) Locations Selection Methodology*.

An Excel Workbook has been designed to assist Transmission Owners in using the methodology (referred to as the Median Method) discussed in Attachment 1. This workbook has been posted along with the other PRC-002-2 materials during this comment period to give Transmission Owners the opportunity to try out Requirement R1’s bus location method by either using their entire system data, or a selected portion of their systems to obtain a full or partial listing of the bus locations that would have to be included in for SOER and FR.

*\*Please use the* [*electronic comment form*](https://www.nerc.net/nercsurvey/Survey.aspx?s=f872dcc2d7404d088b6c3cbaa49e6151) *to submit your final comments to NERC.*

**You do not have to answer all questions. Enter All Comments in Simple Text Format.**

Bullets, numbers, and special formatting will not be retained. Insert a “check” mark in the appropriate boxes by double-clicking the gray areas.

1. Do you support the new definitions for Sequence of Events Recording, Fault Recording, and Dynamic Disturbance Recording? If not, please explain why and provide suggested changes.

Yes

No

Comments:

2. Do you agree with the methodology in Requirement R1 that selects the BES bus location for Sequence of Events Recording and Fault Recording? If not, please provide technical justification.

Yes

No

Comments:

3. Are the appropriate functional entities identified in the Applicability section for PRC-002-2?

Yes

No

Comments:

4. Do you agree with the Elements requiring Dynamic Disturbance Recording listed in Requirement R6? If not, please provide technical justification.

Yes

No

Comments:

5. Do you agree with the VRFs/VSLs and the Drafting Team’s justification? If not, please explain why.

Yes

No

Comments:

6. Do you agree with the Implementation Plan? If not, please explain why.

Yes

No

Comments:

7. If you have any other comments that you haven’t already mentioned above, please provide them here:

Comments: