



NORTHEAST POWER COORDINATING COUNCIL, INC.  
1040 AVE. OF THE AMERICAS, NEW YORK, NY 10018 (212) 840-1070 FAX (212) 302-2782

October 5, 2015

Mr. Gerard J. Dunbar  
Manager---Reliability Criteria  
Northeast Power Coordinating Council, Inc.

**Re: TFSP's Final Decision to Retire C-30 and C-39**

Dear Gerry:

At the July 21-23, 2015 meeting, TFSP recommended the retirement of C-30 and C-39 noting several reasons below why these documents are no longer necessary.

C-30 has been the procedure for the Task Force on System Protection's review of disturbances that cover mostly the review of protection system and special protection system misoperations. SP-7 has been charged with reviewing all BES misoperations and much of the tasks outlined in C-30 are presently covered by the SP-7 scope. Further, the NERC DAWG annual reports are no longer available as referenced in the procedure. Finally, TFSP's scope includes a line item to review major internal and external disturbances as needed.

C-39 has been the procedure to collect major disturbance event sequence data. The Task Force noted that this document is now superseded by the NERC Event Analysis Process. Also, the NERC EOP-004 Standard covers event and disturbance reporting.

At the September 15-17, 2015 meeting, TFSP reviewed your September 10, 2015 e-mail message which stated that the retirement of C-documents is a Task Force decision. TFSP then further confirmed its prior recommendation that C-30 and C-39 are no longer necessary and should be retired as soon as possible.

Let me know if you have any questions or need further information regarding this matter.

Sincerely,

A handwritten signature in cursive script that reads 'George'.

George Wegh, Chairman  
Task Force on System Protection

cc: Members, Task Force on System Protection  
Mr. Guy Zito – Assistant Vice President of Standards  
Mr. Philip Fedora – Assistant Vice President of Reliability Services



NORTHEAST POWER COORDINATING COUNCIL, INC.  
1040 AVE OF THE AMERICAS, NEW YORK, NY 10018 TELEPHONE (212) 840-1070 FAX (212) 302-2782

**Procedure for  
Task Force on System Protection  
Review of Disturbances and  
Protection Misoperations**

Approved by the Task Force on System Protection on December 6, 1999

Revised: September 28, 2000  
Reviewed: November 14, 2002  
Revised: December 2, 2009

**Note:**

Terms in bold typeface are defined in the *NPCC Glossary of Terms* (Document A-7)

## 1.0 Introduction

The scope of the Task Force on System Protection (TFSP) requires that it “review and analyze the performance of **protection systems** following selected major power system events, inside as well as outside NPCC...” for the purpose of assuring the adequacy and sufficiency of NPCC **protection** criteria. This document outlines the process the TFSP follows to fulfill this requirement.

## 2.0 Sources of Information

### 2.1 Disturbances Inside NPCC

For **disturbances** that are reportable to NPCC: the NPCC office will furnish the TFSP copies of all **disturbance** reports submitted to NPCC.

For **disturbances** that are not otherwise reportable to NPCC: the NPCC/TFSP member system representatives shall inform the Task Force of any **disturbance** on the systems for which they have reporting responsibility that could be considered to be of value in terms of its applicability to NPCC **protection** criteria.

### 2.2 Disturbances Outside NPCC

The NPCC office will furnish the TFSP copies of all **disturbance** reports made available to NPCC. In addition, the Task Force will review all reports available from NERC or as posted to the NERC website, as well as other reports and postings to other sites of which the Task Force is aware.

### 2.3 Misoperations Inside NPCC

Selected **Protection system** and **special protection system** misoperations shall be reported to the TFSP in accordance with the *Guide for Analysis and Reporting of Protection System Misoperations* (Document B-21).

## 3.0 Reviews and Actions Taken

At each TFSP meeting, the Agenda will include review of **disturbances** and **protection** misoperations. The minutes of the meeting shall record each **disturbance** and **protection** misoperation reviewed and the action taken.

The Task Force may request member system representatives to provide additional information to assist in the review.

Typical outcomes that may result from the review include:

- A determination that NPCC documents are adequate for the circumstances.
- A determination that clarification of an NPCC document is necessary.
- A determination that a modification to an NPCC document is necessary.
- A determination that an additional NPCC document provision is necessary.

In the latter three cases, TFSP will initiate the appropriate revision of the affected document, if warranted. This is in addition to the determination being recorded in the minutes of the meeting.

---

Prepared by: Task Force on System Protection

Review frequency: 3 years

References: *NPCC Glossary of Terms* (Document A-7)

*Guide for Analysis and Reporting of Protection System Misoperations*  
(Document B-21)

TFSP Scope

NERC Reliability Standard PRC-003-1 Regional Procedure for Analysis of Misoperations of Transmission and Generation Protection Systems

NERC Reliability Standard PRC-004-1 - Analysis and Mitigation of Transmission and Generation Protection System Misoperations



NORTHEAST POWER COORDINATING COUNCIL, INC.  
1040 AVE OF THE AMERICAS, NEW YORK, NY 10018 TELEPHONE (212) 840-1070 FAX (212) 302-2782

## **Procedure to Collect Major Disturbance Event Sequence Data**

Approved by the Task Force on System Protection on November 15, 2006

Revised: December 2, 2009

**NPCC Document C-39  
Procedure to Collect Major  
Disturbance Event Sequence Data  
December 2, 2009**

**Note:**

Terms in bold typeface are defined in the *NPCC Glossary of Terms* (Document A-7)



## 1.0 Introduction

Upon the occurrence of a major **disturbance** and the formation of an ad hoc regional investigation team or a NERC investigation team, **Areas** will be charged to collect event data for the purpose of establishing a sequence of events. This procedural document provides a set of forms to be used for this purpose.

A related document is C-25, *Procedure to Collect Power System Event Data*, which is a mechanism to collect power system event data following a power system **disturbance** for the purpose of analyzing the performance of power system components and the dynamic performance of the NPCC **bulk power system**.

## 2.0 Forms posted with this Procedure

Three forms (prepared as an .xls file) are included, for use by Transmission entities, Generation entities, and Customers. The forms are designed to gather information critical to completing the sequence of events for the **disturbance**. However, the forms should not prevent these entities from transmitting any other information which they know to be pertinent to the **disturbance**.

The directions for completing the forms are included in the .xls file, rather than as part of this document. This is to insure that the instructions always stay with the forms.

Description of terms used in the forms may be found in Document A-15.

## 3.0 Background

These forms are designed to avoid many of the problems experienced following the August 14, 2003 blackout. Whenever event times are collected, they should be collected with specific event definition, information identifying what system(s) produced the time stamps and the method of time synchronization, and a contact name of an individual for use in case questions develop. **Areas** should not accept lists of event times which are not accompanied by the supporting information called for on these forms.

---

Prepared by: Task Force on System Protection

References: .xls file posted along with this Procedure

*Procedure to Collect Power System Event Data (Document C-25)*

**NPCC Document C-39**  
**Procedure to Collect Major**  
**Disturbance Event Sequence Data**  
**December 2, 2009**

*Disturbance Monitoring Equipment Criteria* (Document A-15)

Review frequency: 3 years

References: *NPCC Glossary of Terms* (Document A-7)