



Frequency Task Force

The RTF reviewed Don McInnis's report regarding multiple unit trips. If the research is accurate, it is apparent that the probability increases by a factor of 9 between 10 to 30 minutes. Don McInnis will research his findings for accuracy. The RTF agreed that this analysis is pertinent to the industry, and accepted this research as a step in the right direction.

The FTF will continue to explore frequency bias issues, specifically those for generation only Control Areas. There was a Frequency Response Characteristic survey called by the PS for June 28, 1999 at 9:28 CT. However, the frequency data obtained did not display a governor response, and a survey was not called by NERC. Terry Bilke has a list of events that will be provided to the PS for reviewing Control Area bias settings.

Policy 1 Update

Pending recent changes in DCS, the latest version of Policy 1 will be updated, distributed to the PS for comment, and posted by the beginning of December. Policy 1F was posted for SC ballot on October 15, 1999.

CPS Compliance Issues

Carl Monroe will write a letter to Central Illinois Light Company about their consistent failure of CPS2. There may be some vagueness regarding the correct reporting values for CPS1. Each Control Area shall report their MONTHLY CPS1 value to NERC and NERC will calculate 12-month rolling average. This value will be reported in the monthly CPS report as the Control Area's CPS1 value.

Allegheny Power CPS Waiver

The PS reviewed the waiver request and its responses. Basically, the PS could offer no further advice for AP, except what was previously stated in the response letter.

Inadvertent Interchange

The East is only balanced through March 1999. WSCC is now balanced through July 1999. ERCOT is balanced through September 1999. NERC will attempt to develop a database matching inadvertent balances on a Control Area basis, though a more extensive report will be needed. Currently, the individual Control Area's actual and scheduled inadvertent values are not being reported.

Eastern Interconnection AIE Survey – July 22, 23, 29, 1999

The PS requests explanations from the ten poor performing Control Areas by Wednesday November 3, 1999. These responses will be presented to the Security Committee during its meeting in November.

ECAR: Hoosier

AEP

Cinergy

East Kentucky

SPP: City of Independence

SERC: Entergy

Cajun Electric

TVA

MAPP: Great River Electric

The PS requests answers to the following questions:

- What were the actions taken to prevent leaning on the ties?
- What was the Net Interchange schedule for each hour being surveyed? (What were the total interchange purchases and sales?)
- Did the Control Area have any import capability?
- Was the Control Area's Security Coordinator informed and involved in the deficiency?
- What are the lessons learned or corrective actions that can be taken in the future?
- Did the TLR process inhibit the Control Area's ability?
- Was there energy that could have been used to improve the deficiency, but was chosen not to be used?
- Did the Control Area participate in time error corrections?
- Please submit the one-minute ACE averages for those hours surveyed.

WSCC AIE Survey – July 1, 1999; August 11, 1999

WSCC called an AIE survey for twelve hours covering July 1, 1999 and August 11, 1999. Don Badley will prepare a report for the Security Committee meeting including the hours surveyed and reasons for calling the survey.

AIE Compensation

Chair Carl Monroe will edit and add a couple issues to the proposal regarding AIE compensation. Mr. Monroe will work with Dick Engersoll's group, and accept further comments from the PS for the paper, "Control Area Energy Imbalance Compensation by AIE".

Dynamic Transfer

NERC policy does not give much detail into Dynamic Transfer. The IOSITF will submit a written paper to the PS for consideration of incorporating it into Policy 1. Chair Carl Monroe thinks that there are important issues in this report and agreed that the PS will need to decide which issues should go in Policy 1.

Policy 10 Update

The IOSITF hopes to post Policy 10 by the first week in December for March SC approval. The SC is re-organizing several subcommittees, and it is likely that the PS will be responsible for the findings of the IOSITF with regard to Policy 10. Whether or not it becomes policy, many of these issues may become the responsibility of the PS.

Constant Frequency Operations Guide

This document was written by the Y2k working group. It explains how to perform operations from monitoring frequency. This document is being given to the PS to possibly incorporate into Policy 1.

Time Error Corrections

The new Appendix 1D will show the changes the PS has decided for Time Error Corrections:

- The PS previously voted that the Time Error trigger-window be changed to ten seconds in the Eastern Interconnection.
- No fast TEC during morning load pick-up seconds in the Eastern Interconnection.

These two issues may need to go through a separate posting for due process in order to get these changes implemented by next summer.

Terry Bilke will make another proposal for Appendix 1D, perhaps changing the Time Error trigger in the EI to 30 seconds.

CACTF

Don Badley gave a presentation reviewing the work of the CACTF. Carl Monroe will draft a response to the questions asked of the PS by the CACTF. Don Badley will distribute the documents of the CACTF.

Upcoming dates for PS Meetings and rankings for locations.

There are no signed contracts for these future meetings.

April 26-28, 2000	July 26-28, 2000	October 30-November 1, 2000
Williamsburg	Jackson Hole	San Antonio
Baltimore	Vancouver	Asheville
Cleveland	Seattle	Charlotte
Washington, DC	Denver	Tampa
Princeton	Salt Lake City	Orlando

January 24- 26, 2001 — No location yet.

Exhibit A

X-POP3-Rcpt: barbara@euclid
X-Authentication-Warning: nerc1.nerc.com: majordomo set sender to
owner-perfsub@nerc.com using -f
X-Sender: barbara@206.231.20.22
X-Mailer: QUALCOMM Windows Eudora Pro Version 4.1
Date: Fri, 17 Sep 1999 15:30:18 -0400
To: perfsub@nerc.com
From: Barbara Bogenrief <barbara@nerc.com>
Subject: October 1999 PS et al Meeting Announcement
Cc: karenann@nerc.com
Sender: owner-perfsub@nerc.com

Dear Performance Subcommittee et al Members:

The October Performance Subcommittee meeting location and schedule follows:

Hyatt Regency New Orleans
at Louisiana Superdome
500 Poydras Place
New Orleans, LA 70113-1805
Phone: 504-561-1234
Fax: 504-587-4141

Meeting Schedule:

Tuesday, October 26: 1 p.m. to 5 p.m.
(Workshop information and registration form will be e-mailed separately next week.)

Wednesday, October 27: 8 a.m. to 5 p.m.

Thursday, October 28: 8 a.m. to 5 p.m.

Friday, October 29: 8 a.m. to noon

Rooms are blocked the nights of October 26-28, 1999 for a rate of \$175 single occupancy. The room block cut-off date is **October 5, 1999**. Check in is 3 p.m. and check out is noon.

To make your room reservation, call the hotel directly and refer to the North American Electric Reliability Council or NERC to get the preferred rate and to ensure your reservation is credited to the NERC room block. NERC will be charged a penalty for rooms not used. If you use a travel agency for your travel plans, please make sure the agency mentions the North American Electric Reliability Council.

The hotel is located 15 minutes from the airport. Shuttle service is available at the Ground Transportation area for \$10. Taxis cost \$21.

Please let me know if you have any questions. Thanks.

Barbara

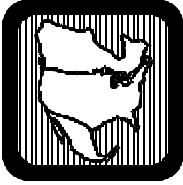


Exhibit B

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, New Jersey 08540-5731

PERFORMANCE SUBCOMMITTEE MEETING

Thursday October 28, 1999 — 8 a.m.–5 p.m.

Friday October 29, 1999 — 8 a.m.–5 p.m.

Hyatt Regency New Orleans
at Louisiana Superdome
New Orleans, Louisiana

AGENDA

1. Administrative Matters

- a. Introductions
- b. Arrangements — William E. Smith
- c. Approval of minutes of July 27–28, 1999 meeting
- d. Approval of agenda
- e. Organization, Roster, and Contacts List *

2. Security Committee – July 13–14, 1999 Meeting *

3. Task Force Reports

- a. Reserves Task Force
 - i) Net/Gross: define the most severe single contingency
 - ii) DCS non-reporting penalty
- b. Frequency Task Force
 - i) Frequency Response Standard (FRS)
 - ii) Minimum and/or fixed Frequency Bias
- c. Inadvertent Task Force
- d. Automatic Generation Control Task Force
- e. Disturbance Recovery Alternatives Group
- f. Time Response Working Group

4. Compliance Issues

- a. Control Performance
 - i) CPS — receive non-compliance reports *
 - ii) Allegheny Power CPS 2 request for waiver *
 - iii) Regional compliance contacts — Will Smith
- b. Disturbance Control
 - i) DCS — receive non-compliance reports *
 - ii) SC Executive Committee decisions on DCS compliance issues *
- c. Inadvertent Interchange
 - i) Receive progress reports for all Interconnections

- d. AIE Surveys
 - i) Eastern Interconnection — June–July 1999 AIE Survey *
 - ii) WSCC — July–August 1999 AIE Survey *
 - iii) AIE compensation — Carl Monroe *
 - e. Frequency Response Standard
- 5. Policy 1**
- a. Policy 1 re-write status
 - i) Policy 1F – Inadvertent Interchange Standard *
 - ii) Compliance templates
 - b. Disturbance Control Standard
 - i) DCS workshop
 - ii) Ten-minute response requirement
 - iii) 100% recovery issue
 - c. Constant Frequency Operations Guide *
- 6. Time Error**
- a. Interconnection Reports *
 - i) Eastern Interconnection — Doug Hils
 - ii) Western Interconnection — Don Badley
 - iii) ERCOT Interconnection — Wayne Kemper
 - b. Time Response Working Group
 - c. Security Coordinator time error correction decisions (DMB e-mail) *
- 7. Dynamic Transfer**
- a. Appendix 1A — Raymond Vice
 - b. Appendix 10F — Steve Hoffman
- 8. Short-term Control — Carl Monroe ***
- 9. Automation of Inadvertent Interchange and AIE Reporting**
- 10. Control Area Mergers/Changes**
- 11. Roundtable Discussion**
- a. Winter 1999
- 12. Dates and Locations of Future Meetings ***

* Background material attached.

Exhibit C

Performance Subcommittee Meeting Attendance October 28- 29, 1999

Members

Douglas E. Hils	ECAR
Wayne Kemper	ERCOT
Don McInnis	FRCC
Joe Willson	MAAC
Terry Bilke	MAIN
Alan R. Oneal	MAPP
Michael J. Potishnak	NPCC
Raymond L. Vice	SERC
Carl A. Monroe	SPP
Arthur E. Feeney, Jr.	WSCC – AZNMSNV
Tony Deluca	WSCC – CAMX
Donald E. Badley	WSCC – NWPP
Mirek Horenovsky	WSCC – RMPA
Will E. Smith	NERC

Others in Attendance

Deborah Martinez	WSCC – NWPP
Steve Hoffman	Com Ed
Randy Beckwith	