



# NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

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

## CONTROL CRITERIA TASK FORCE MEETING

Thursday, June 25, 1998—8 a.m.–noon

Hotel de la Montagne  
Montreal, Québec

### AGENDA

#### 1. Administrative Matters

- a. Introductions
- b. Arrangements — Will Smith
- c. Review of Notes from April 16 Meeting\* — Will Smith
- d. Additions to /Approval of Agenda

#### 2. Task Force Reports

- a. Frequency Task Force — Don McInnis
  - i) Definition of a Frequency Standard – progress report
  - ii) Was FTF report redistributed?
  - iii) Access training for Will Smith (request letter sent to Don Benjamin?)
  - iv) Frequency data for 1997 for all three Interconnections — status of letter specifying format and destination for submittal?
  - v) Is CE receiving frequency data?
  - vi) Status of contact list for F data
  - vii) Status of a NERC frequency analysis process. Were 1997 and 1Q 1998 ready by June 1?
  - viii) Make disturbance analysis a part of frequency analysis process – did Don McInnis contact Carl Monroe? Is there a proposal for this analysis?
  - ix) Error coefficient development for frequency analysis reports (progress?)
- b. Inadvertent Task Force (re-convened) — Bart McManus
  - i) Issues relating Policy 1/Appendix 1F and Policy 10/IOS (report of discussion?)
- c. Reserves Task Force — Mike Potishnak
  - i) Have PSTD, FAQ, and Policy 1 been clarified for RSGs?
  - ii) Ten-minute interval definition — Ray Vice list of reasons for ten minutes
- d. AGC Task Force — Ray Vice

**3. Performance Standards**

- a. CPS Issues
  - i) What Defines an Unavailable Interval (10 or 1 minute)? Vice, Bilke, Hoffman  
comments on sample validity
  - ii) Form 1 and 2 changes — Alan Oneal/Will Smith
  - iii) Tidy up 12-month CPS compliance calculation to include effects of change in  
epsilon during the period — Alan Oneal
  
- b. DCS Issues
  - i) Control Areas with CRAF > 1.0 — Al DiCaprio
  - ii) Defining an Objective for DCS

**4. Other Issues**



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April 16, 1998  
Washington, D.C.

### MINUTES

Alan Oneal chaired a regular meeting of the CCTF. Attendance at the CCTF meeting included:

Phil Clark – WSCC-AZNM  
Don Badley – WSCC-NWPP  
Dennis Hogan – ERCOT  
Gary Rudder – SERC  
Mike Potishnak – NPCC  
RayVice – SERC  
Doug Hills – ECAR  
Mark Gravener – MAAC  
Al DiCaprio – MAAC

Carl Monroe – SPP  
Steve Hoffman – MAIN  
Bart McManus – WSCC-NWPP  
Terry Bilke – MAIN  
Mike McAvoy – RMPP  
Alan Oneal – MAPP  
Don McInnis – FRCC  
Will Smith – NERC Staff  
Dominic Maratukulam – EPRI

### Task Force Reports

**Frequency Task Force** – The frequency data from each Interconnection needs to be submitted to Don McInnis, Steve Hoffman, and Will Smith.

Don McInnis asked Al DiCaprio to write a letter to Don Benjamin to request that NERC, and more specifically Will Smith, receive further Access training.

#### Frequency Data:

Don McInnis will write a letter to all persons submitting frequency data, informing them of the appropriate format of the data and when and where to submit it. The PS needs two sources of frequency data from each Interconnection. Currently designated sources are:

- Eastern: ComEd, Maritimes
- WSCC: Bart McManus (BPA), Don McInnis will ask Ed Riley from CA-ISO. Ed Riley formerly provided this data when he was with LADWP.
- ERCOT: One CD of data has been submitted to NERC and Dennis Hogan from TU Electric will send the next and previous ones. Don McInnis will contact the Texas Security Center for a second source of data. NERC will distribute to Steve Hoffman and Don McInnis.
- HQ: also sending data to NERC.

Al DiCaprio received commitment from FTF and Don McInnis to have the frequency data sent to Steve Hoffman at ComEd by May 1, 1998. The FTF is to publish a list of contacts for such data.

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Southern, ComEd, and Dairyland were reported to have changed their generation control algorithms to control to CPS. As this shift in control continues, frequency should be tracked continually to determine the changes with the new CPS. In this process, it is necessary to check the frequency against CPS one minute, ten minute, and 60 minute. (This was done by Steve Hoffman and is attached to the CCTF January 1998 notes.)

Will Smith (NERC staff) is responsible for frequency data accounting, distributing it to Don McInnis and Steve Hoffman. The frequency data analysis will be sent out monthly. The FTF will have 1997 and first quarter 1998 data ready for report by June 1, 1998.

Can disturbance analysis be integrated with frequency analysis? This is possible with some data of one-minute averages from Carl Monroe. Don McInnis will contact Carl Monroe, then propose a method for frequency disturbance analysis.

Doug Hils asked if we should call and report FRC surveys. Alan Oneal agreed that we should. In past years FRC surveys were called four times per year. Control Areas should be keeping disturbance reports of their own (preferred method).

Should a coefficient measuring whether/how Epsilon varies be developed for frequency analysis? The discussion was suspended, pending the outcome of the frequency analysis. Don McInnis acknowledged that this is a good idea.

Al DiCaprio asked how the group would monitor frequency response. If a frequency response standard did exist, what would it entail? The FTF was asked to please come up with some ideas on how this would work.

**Inadvertent Task Force** — The ITF was officially disbanded, but Bart McManus commented on the different approaches to inadvertent accounting proposed by the ITF. Essentially, all approaches proposed were rejected.

Don Badley suggested that there is a serious problem. Feels that change in policy is needed; some aspects that were unfavorable to the group have been implemented in NWPP, where a 3<sup>rd</sup> party has been hired to do inadvertent accounting hourly. They are trying to convince others in the WSCC to do so, too. Standing issue is policy language requiring inadvertent reporting by certain dates, etc. Doug offered to put together language for PS discussion on Friday. Phil Clark suggested that the problem might be in the systems being used for after-the-fact analysis of interchange.

ITF to reconvene to discuss issues for Policy 1 and Appendix 1F and how it relates to Policy 10 and IOSTF.

**Reserves Task Force** — PSTD, FAQ, and Policy1 still need language clarified for Reserve Sharing Groups.

Why is ten minutes the correct interval? Ray Vice is to list the reasons for using this time period, which has been designated the correct interval to use.

Contingencies during load pick-up were discussed. General conclusion is that special occurrences be brought to PS for appeal. This especially includes incidents in which contracted sources are metered and can be demonstrated. Generation sources would have to be charted.

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It was decided not to defer DCS penalties. A formal letter will be written and sent out to each system operator (or more importantly an Officer or “Operations Executive”) who are expected to return a written confirmation of complying with DCS and increasing reserves. This is an action item and will be voted on at the PS meeting. Mike Potishnak (and others) will prepare an appropriate document for the PS motion.

Discussion at previous CCTF: discussed when reserves are increased, which kinds of reserves will be increased? Contingency or total Operating?

**Performance Standards**

**CPS Issues** — What defines an unavailable interval? One or ten minute? Ray Vice, Terry Bilke, and Steve Hoffman will look into which is a better interval and what constitutes a better sample.

**CPS submittal form** — Compliance Factor (CF), is it any good? There was a discussion on whether or not to add a CF percent compliance column to CPS Form 1. What is the best way to submit this data and what data should be provided? Perhaps the CF column can be changed to Hourly Percent?

Alan Oneal suggested that Will Smith and Alan Oneal come up with a workable CPS 2 form, for Subcommittee approval. Also, Alan Oneal will look at how and what changes to make to Form 1. It is a good idea to change the CF column to CPS % column.

Are we reporting the 12-month or monthly CPS statistics? CPS 1 is for rolling 12 months, and CPS 2 is for monthly. Alan Oneal and Will Smith will make appropriate changes to the CPS Form 1. (Add 2 boxes under the Hourly breakdown. These two boxes will clearly define which “CPS” value is monthly and which is running 12 month.)

It is necessary to change the PSTM to read that only CPS Form 2 will be submitted to NERC. Will Smith will handle the regional reports and report only the monthly data to PS.

On page PS-6, the epsilon may change in the CF equation, making the equation invalid when it comes to the rolling 12-month CPS value. Alan Oneal will re-write the language in the PSTM to reflect how to properly calculate this equation assuming the epsilon value may change.

Don Badley motioned for an honor roll. Seconded.

Discussion:

The whole concept of CPS was to loosen control. An honor roll will prompt people to perform “better” and make the honor roll. This will not loosen control.

Vote: Y, 3  
N, 6  
Abstentions, 2

**DCS Issues** — Regional compliance, with regard to the first quarter reports, was deferred to PS.

Other DCS were brought up and clarified during the Reserves Task Force meeting. Please see the notes above or the notes from the Reserve Task Force (Wednesday, April 15, 1998).

The meeting was adjourned at 14:30.