

Project 2007-01 Underfrequency Load Shedding Standard Drafting Team

January 8 — 8:30 a.m.–5 p.m. Pacific Time

January 9 — 8:00 a.m.–noon Pacific Time

WebEx and Conference Call Information

Tuesday, January 8, 2008

Consortium conference server at phone number 1(732)694-2061

Conference code: 12080108081

WebEx Site: <https://nerc.webex.com/>

Meeting Number: 712 473 772

WebEx Meeting password: standards

Wednesday, January 9, 2008

Consortium conference server at phone number 1(732)694-2061

Conference code: 12080109081

WebEx Site: <https://nerc.webex.com/>

Meeting Number: 717 363 410

WebEx Meeting password: standards

Meeting Agenda

1) Administrative

a) Roll Call

David Taylor will lead the welcome of members and guests of the standard drafting team for Project 2007-01 Underfrequency Load Shedding (see Roster — **Attachment 1a**).

- Dana Cabbell — Southern California Edison Co. (Chair)
- Paul Attaway — Georgia Transmission Corporation
- Brian Bartos — Banders Electric Cooperative
- Larry E. Brusseau — Midwest Reliability Organization
- Jonathan Glidewell — Southern Company Transmission Company
- Geral Keenan — Bonneville Power Administration
- Donal Kidney — Northeast Power Coordinating Council, Inc.
- Robert W. Millard — ReliabilityFirst Corporation
- Steven Myers — Electric Reliability Council of Texas, Inc.
- Mak Nagle — Southwest Power Pool
- Robert J. O'Keefe — American Electric Power
- Philip Tatro — National Grid
- Robert Williams — Florida Municipal Power Agency
- Richard Young — American Transmission Company, LLC
- David Taylor — North American Electric Reliability Corporation

Each team member is asked to verify the information on the UFLS roster and notify David Taylor via e-mail of any corrections that should be made.

b) NERC Antitrust Compliance Guidelines

David Taylor will review the NERC Antitrust Compliance Guidelines provided in **Attachment 1b**. It is NERC’s policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition. It is the responsibility of every NERC participant and employee who may in any way affect NERC’s compliance with the antitrust laws to carry out this commitment.

2) Action Items

Dana Cabbell will review the action items generated during the June 20–22 meeting of the drafting team:

Action Items:	Status:	Assigned To:
Dana to contact the WECC Control Work Group to inquire as to what data they have collected relative to generator trip settings during frequency excursions and report back to the UFLS SDT.	Remains Open	Dana Cabbell
The UFLS SDT to develop a recommendation on generator trip settings during frequency excursions and forward the recommendation to the standard drafting team for the Project 2007-09 Generator Verification.	Remains Open	UFLS SDT

3) Project Schedule

David Taylor will review the schedule for Project 2007-01 UFLS (**Attachment 3**).

4) Coordination with Generator Verification Team

Rob O’Keefe will present his recommendation for coordinating with the Generator Verification Standard Drafting Team (Project 2007-09) (**Attachments 4a, 4b, 4c, and 4d**).

5) December 13, 2007 Conference Call with FERC Staff

Dana Cabbell will summarize the issues discussed with FERC staff during the December 13 conference call to discuss Project 2007-01 (**Attachment 5**).

Issues to consider:

- Need to require documentation of coordination between regions for identifying coherent groups, i.e. how it will be done, who participates, what are results, etc.

- We also need to lead the regions to the water when it comes to coherent generation groups. We can cleverly embody this in the RE requirements.
- We have to account for “coordination between relay systems” — we may have to depend on Phil Tatro and the NERC relay group.
- We may need to provide some guidance in the performance requirements on how to simulate — the dynamic characteristic standard was killed by Phase 3 and 4.
- We probably should request guidance from the FMWG to do a head check on the continent standard applicability. The listing of LSE is questionable — especially when it comes to a LSE that “operates” without being an “operating” function. The FM is not clear on definition of LSE and DP when it comes to UFLS; hopefully the evolving Version 4 will clarify this.

6) FERC Factors and Directives

Dana Cabbell will lead the team in discussing whether or not the draft standard and performance requirements adequately address the FERC factors for approving a standard and the FERC directives noted in the FERC reliability standards NOPR and FERC Order 693 related to Project 2007-01 UFLS (**Attachments 6a, 6b, and 6c**).

7) Standards Revisions

Dana Cabbell will lead the group in revising standards that are within the scope of the SAR for Project 2007-01:

- a) Draft Pro Forma Regional Functional Requirements (**Attachments 7a and 7b**)
- b) Strawman for PRC-006-1 — Automatic Underfrequency Load Shedding (**Attachment 7c**)
- c) PRC-007 — Assuring Consistency with Regional UFLS Programs (**Attachment 7d**)
- d) PRC-009 — UFLS Performance Following an Underfrequency Event (**Attachment 7e**)
- e) Draft questions for comment form (**Attachment 7f**)
- f) Draft background information for comment form (**Attachment 7g**)

8) Compliance Elements of the Standard

David Taylor will review the guidelines for developing compliance elements for the standard and time permitting; the team will begin developing the compliance elements for the standard (**Attachments 8a and 8b**).

9) Action Items

Dana Cabbell will review the action items generated during the meeting and confirm assignments.

10) Next Steps

The group will discuss and identify the next steps and establish future meeting dates and locations.

7) Adjourn