

## **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**

Offices of Southern California Edison  
Rosemead, CA

### **Meeting Notes**

#### **1) Administrative**

##### **a) Roll Call**

David Taylor welcomed the members and guests of the standard drafting team for Project 2007-01 Underfrequency Load Shedding (UFLS). Those on the drafting team in attendance were:

- Dana Cabbell — Southern California Edison Co. (Chair)
- Brian Bartos — Banders Electric Cooperative
- Jonathan Glidewell — Southern Company Transmission Company
- 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
- Robert Williams — Florida Municipal Power Agency
- David Taylor — North American Electric Reliability Corporation

Those on the drafting team not in attendance were:

- Paul Attaway — Georgia Transmission Corporation
- Larry E. Brusseau — Midwest Reliability Organization
- Geral Keenan — Bonneville Power Administration
- Donal Kidney — Northeast Power Coordinating Council, Inc.
- Philip Tatro — National Grid
- Richard Young — American Transmission Company, LLC

Each team member was 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 reviewed the NERC Antitrust Compliance Guidelines with the team. 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 reviewed the action items outstanding from the November 15 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.	<b>Remains Open — Dana has contacted the group and is awaiting a reply.</b>	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.	<b>Closed — Rob has provided a draft letter which we will discuss later today.</b>	UFLS SDT

## 3) Project Schedule

David Taylor reviewed the schedule for Project 2007-01 UFLS with the team. David indicated the team is falling behind in the development of the standard, much of the reason being due to his inability to work on the project because the additional responsibilities he was delegated on August 1, 2007.

The standard needs posted for comment as soon as possible. It is David's goal to finalize the documents for posting during this meeting. Assuming the documents are finalized during this meeting, the UFLS standard and associated documentation should be posted for industry comment by mid-February.

## 4) Coordination with Generator Verification Team

Rob O'Keefe presented his recommendation for coordinating with the Generator Verification Standard Drafting Team (Project 2007-09) as provided in the material provided in conjunction with this meeting. The team discussed the recommendation and volunteered Dana to contact the chair of the SDT for Project 2007-09 Generator Verification (who just happens to be Bob Millard).

**Action Item:** Dana Cabbell is to issue an e-mail to Bob Millard (Chair of the SDT for Project 2007-09) summarizing the coordination required between the UFLS standard and the work being performed in Project 2007-09 Generator Verification relative to generator underfrequency tripping. Dana will issue the e-mail within a week of this meeting so the Generator Verification SDT can discuss it on their upcoming conference call.

## 5) December 13, 2007 Conference Call with FERC Staff

Dana Cabbell, Bob Millard, and David Taylor summarized the issues discussed with FERC staff during the December 13 conference call with FERC staff to discuss Project 2007-01 Underfrequency Load Shedding.

The group also agreed to consider the following issues when formalizing the draft documents later in the agenda for this SDT meeting:

- 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 his work on the System Protection and Control Task Force (SPCTF).
- 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

The team discussed whether or not the draft standard and performance requirements adequately addressed the FERC factors for approving a standard and issues identified in NERC’s “Reliability Standards Issues Database”, including the FERC directives in FERC Order 693 related to Project 2007-01 UFLS.

The team concluded that the draft standard and regional performance characteristics combined adequately address the FERC directive (one) and all the issues (except 1) identified in the NERC “Issues Database”. **Attachment 1** summarizes the team’s discussions relative to resolution of the items noted in NERC’s Issues Database.

**Action Item:** David Taylor to ask Maureen Long if she can expand on the Version 0 comment on PRC-009 that “Exemptions for those with shunt reactors who don’t shed load”

## 7) Standards Revisions

Dana Cabbell led the group’s discussion in revising the draft UFLS standard and regional performance characteristics:

- a) Regional Performance Characteristics — See **Attachment 2** for a red-lined document summarizing the team’s revisions to Regional Performance Characteristics
- b) Draft PRC-300-1 — Automatic Underfrequency Load Shedding— see **Attachment 3** for a red-lined document summarizing the team’s revisions to the draft UFLS standard.

The team agreed to a new number system for continent-wide standards supported by regional standards. In summary, the team is proposing to number continent-wide

standards supported by regional standards as “300 series”. This dovetails with the regional numbering system which numbers regional standards as “500 series”.

**Action Item:** David Taylor to obtain approval (or denial) on the proposed numbering system for continent-wide standards supported by regional standards.

**Action Item:** David Taylor to prepare package for posting the UFLS documentation for industry comment for the team’s review prior to the package being submitted to Maureen Long (NERC’s Standards Process Manager) for processing.

## 8) Compliance Elements of the Standard

David Taylor noted the guidelines for developing compliance elements for reliability standards that were provided as part of the meeting material for this meeting.

**Action Item:** Steve Myers volunteered to work with Bob Millard to draft Violation Severity Levels for the draft UFLS standard prior to the standard being posted for industry comment.

## 9) Action Items

Dana Cabbell reviewed the action items generated during the meeting and confirmed assignments:

Action Items:	Status:	Assigned To:
Dana Cabbell 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.	<b>Remains Open — Dana has contacted the group and is awaiting a reply.</b>	Dana Cabbell
Dana Cabbell is to issue an e-mail to Bob Millard (Chair of the SDT for Project 2007-09) summarizing the coordination required between the UFLS standard and the work being performed in Project 2007-09 Generator Verification relative to generator underfrequency tripping. Dana will issue the e-mail within a week of this meeting so the Generator Verification team can discuss it on their upcoming conference call.	<b>New</b>	Dana Cabbell
David Taylor to ask Maureen Long if she can expand on the Version 0 comment on PRC-009 that “Exemptions for those with shunt reactors who don’t shed load”	<b>New</b> After the meeting David was able to contact Maureen and received the following answer:  Dave — here are the relevant comments:  Vinod Kotecha — Con Edison Company of New York CEPD Norman Mah — Con Edison Company of New York CEPD Edwin Thompson — Con Edison	David Taylor

Action Items:	Status:	Assigned To:
	Rebecca Adrienne Craft — Con Edison Company of New York CEPD  UVLS: Under voltage load shedding should not be a requirement for all parties. Those who have shunt reactors can meet the objective by not shedding load but by shedding shunt reactors. Flexibility in achieving the desired goal is appropriate.  This response confirms the UFLS SDT's thought that this comment was not relevant to UFLS.	
David Taylor to obtain approval (or denial) on the proposed numbering system for continent-wide standards supported by regional standards.	<b>New</b>	David Taylor
David Taylor to prepare package for posting the UFLS documentation for industry comment for the team's review prior to the package being submitted to Maureen Long (NERC's Standards Process Manager) for processing.	<b>New</b>	David Taylor
Steve Myers volunteered to work with Bob Millard to draft Violation Severity Levels for the draft UFLS standard prior to the standard being posted for industry comment.	<b>New</b>	Steve Myers and Bob Millard

## 10)Next Steps

David Taylor will coordinate the finalization of the UFLS documents for posting. To the extent possible, this work will be performed via e-mail. If a conference call is required, David will schedule a call as necessary.

Steve Myers will coordinate the development of Violation Severity Levels with Bob Millard. Once drafted, the VSLs will be distributed to the team for comment and inclusion in the draft standard. The VSLs will be added to the draft standard prior to the standard being posted for industry comment.

David will attempt to schedule the next meeting of the UFLS SDT to coincide with the end of the initial comment period (early April 2008).

## 11)Adjourn

The meeting adjourned at 1:00 p.m. Pacific Time.

Source	Standard No.	Project No	Language	Resolution
Version 0 Team	PRC-006-0	2007-01	Need to define evidence	“Evidence” is included in the “old” Measure M2 and M3. We will be more definitive when we write our measures.
Fill in the Blank Team	PRC-006-0	2007-01	Modify R1 to require each Region to develop a regional standard, and	The UFLS SDT has drafted a set of performance characteristics which the Regional Entities will be required to draft their regional standard to.
Fill in the Blank Team	PRC-006-0	2007-01	Determine what elements (if any) of UFLS should be included in the North American standard and what elements should be included in the regional standards.	The UFLS SDT has drafted a continent-wide standard and a set of regional performance characteristics which the Regional Entities will be required to draft their regional standard to. Combined, the continent-wide standard supported by the eight regional standards define the complete set of UFLS requirements.
Fill in the Blank Team	PRC-006-0	2007-01	Development of regional standards needs to be coordinated with Regional entities. Regional entities should begin process for developing regional standards once the drafting team for the North American standard has determined what elements of UFLS should be included in the continent-wide standard and what elements should be included in the regional standards.	Each of the regions understands their role in developing regional UFLS standards. Once the UFLS SDT team is comfortable that the regional performance characteristics are close to being finalized, the performance characteristics will be shared with each of the regions such that the work on developing the regional standards to support the continent-wide standard can begin.
Fill in the Blank Team	PRC-006-0	2007-01	PRC-006 will be a continent-wide standard supported by Regional Reliability Standards.	The final numbering of the continent-wide standard will be determined later.
Fill in the Blank Team	PRC-006-0	2007-01	Related PRC-007, PRC-008, and 009.	The UFLS SDT recommended that PRC-008 Underfrequency Load Shedding Equipment Maintenance Programs has been moved to Project 2007-17 Protection System

Source	Standard No.	Project No	Language	Resolution
				Maintenance & Testing. The UFLS SDT considered PRC-006, PRC-007, and PRC-009 in their discussions.
Version 0 Team	PRC-006-0	2007-01	Not a standalone standard	The UFLS SDT interpreted this to mean that PRC-006 was a fill-in-the-blank standard and concurred. The UFLS drafted a new standard and regional performance characteristic which were not fill-in-the-blank.
Version 0 Team	PRC-006-0	2007-01	Who do you submit compliance material to?	This comment is no longer applicable. The Compliance Monitoring Entity is responsible for auditing for compliance to this standard.
FERC Order 693	PRC-006-0	2007-01	Transfer responsibility from the regional reliability organization to the regional entity.	The UFLS SDT has drafted a continent-wide standard and a set of regional performance characteristics which the Regional Entities will be required to draft their regional standard to. Combined, the continent-wide standard supported by the eight regional standards define the complete set of UFLS requirements.
Fill in the Blank Team	PRC-007-0	2007-01	Coordinated with PRC-006.	The UFLS SDT concurs. The UFLS SDT has drafted a continent-wide standard and a set of regional performance characteristics which the Regional Entities will be required to draft their regional standard to. Combined, the continent-wide standard supported by the eight regional standards define the complete set of UFLS requirements.
Fill in the Blank Team	PRC-007-0	2007-01	The regional procedures need to be converted to a standard to implement this.	The UFLS SDT concurs. The UFLS SDT has drafted a continent-wide standard and a set of regional performance characteristics which the

Source	Standard No.	Project No	Language	Resolution
				Regional Entities will be required to draft their regional standard to. Combined, the continent-wide standard supported by the eight regional standards define the complete set of UFLS requirements.
Version 0 Team	PRC-007-0	2007-01	Need to include RA	The UFLS SDT concurs. Draft requirements R3, R6, and R7 include the Reliability Coordinator (Reliability Authority).
Version 0 Team	PRC-007-0	2007-01	Need to refine levels of non-compliance	The levels of non-compliance have been replaced with new Violation Severity Levels.
Fill in the Blank Team	PRC-007-0	2007-01	Change "program" to "standard" in R1.	The UFLS SDT concurs. The UFLS SDT has drafted a continent-wide standard and a set of regional performance characteristics which the Regional Entities will be required to draft their regional standard to. Combined, the continent-wide standard supported by the eight regional standards define the complete set of UFLS requirements. In the new continent-wide standard, the word "program" was replaced by the word "standard".
Version 0 Team	PRC-009-0	2007-01	Exemptions for those with shunt reactors who don't shed load	The UFLS SDT did not understand this comment.
Fill in the Blank Team	PRC-009-0	2007-01	Change "program" to "standard".	The UFLS SDT concurs. The UFLS SDT has drafted a continent-wide standard and a set of regional performance characteristics which the Regional Entities will be required to draft their regional standard to. Combined, the continent-wide standard supported by the eight



Source	Standard No.	Project No	Language	Resolution
				regional standards define the complete set of UFLS requirements. In the new continent-wide standard, the word "program" was replaced by the word "standard".
Fill in the Blank Team	PRC-009-0	2007-01	See notes for PRC-007.	See "Resolution" for PRC-007 notes.
Version 0 Team	PRC-009-0	2007-01	Define evidence	"Evidence" is included in the "old" Measure M2. We will be more definitive when we write our measures.
Version 0 Team	PRC-009-0	2007-01	90 days vs. 30 days	<p>The UFLS agreed on 30 days in the draft continent-wide standard:</p> <p>R3. The Transmission Owners, Distribution Providers, and Load Serving Entities shall provide the documentation identified in R2 to their Reliability Coordinator within 30 days of each system event which resulted in system frequency excursions below the initializing set points of the regional UFLS standard.</p> <p>R7. The Reliability Coordinator shall provide the documentation prepared pursuant to R6 to its Regional Entity and NERC within 60 calendar days following a system event resulting in system frequency excursions below the initializing set points of the regional UFLS standard. [Violation Risk Factor: Lower]</p>

## Regional UFLS Performance Characteristics

Each Regional Entity ~~will be~~ directed by NERC to ~~establish~~ develop a ~~r~~Regional reliability ~~s~~Standard (Standard) for implementing ~~an~~ automatic Underfrequency Load Shedding (UFLS). The purpose of the Standard will be to ~~program~~ establish requirements to arrest declining frequency and assist recovery of the frequency to within an acceptable operating range in support of the continent-wide standard PRC-300-1 Automatic Underfrequency Load Shedding ~~to arrest and recover declining Bulk Electric System frequency~~. Each ~~Regional~~ Standard shall specify ~~as a minimum~~ UFLS ~~program~~ requirements ~~to that~~ conform to the following:

1. The Standard shall ~~identify~~ specify the ~~Functional Model~~ entity(s) ~~that will be~~ responsible ~~to for~~ determining the system boundaries and conditions for which the performance ~~requirements~~ characteristics of item 2-4 below shall apply.
2. The Standard shall specify the entity(s) responsible for identifying potential ~~for each region and any planned~~ islands within ~~their region~~ or between ~~their region and neighboring~~ regions. These ~~Functional Model entity(s) shall specify all~~ islands shall be ~~identified~~ identified either through system studies or actual system operations ~~and or as may specify any additional islands~~ deemed appropriate by the entity as a design basis for ~~the~~ UFLS ~~program~~.
3. The Standard shall specify that the entity(s) responsible for determining the system boundaries and conditions in item 1 above shall develop a procedure for coordinating with neighboring entities in identifying potential islands between their region and neighboring regions. The procedure should identify how the neighboring entities will assist in the UFLS studies and analysis and provide concurrence of study results.
- 2.4. The Standard shall ~~specify~~ specify the technical design parameters ~~of the regional UFLS program~~ that are required to meet the following performance ~~requirements~~ characteristics ~~for underfrequency conditions resulting from~~ for underfrequency conditions resulting from an imbalance between load and generation of at least 25 percent within an interconnection, region, or ~~planned~~ identified island(s) within or between regions:
  - 2.1.4.1. Frequency decline shall be arrested at no less than 58.0 Hz.
  - 2.2.4.2. Frequency shall not remain below 58.5 Hz for greater than 10 seconds and shall not remain below 59.5 Hz for greater than ~~{30}~~ seconds.
  - 2.3.4.3. Frequency overshoot resulting from operation of ~~the~~ UFLS ~~program~~ shall not exceed ~~{61.0}~~ Hz for any duration and shall not exceed 60.5 Hz for greater than ~~{30}~~ seconds.
- 2.4. ~~The UFLS program design shall account for generator tripping during frequency variations.~~
- 2.5.4.4. Bulk Electric System voltage during and following UFLS shall be controlled such that the per unit Volts per Hz (V/Hz) will not exceed 1.18 for longer than 6 seconds, and will not exceed 1.10 for longer than 1 minute, when frequency is below 59.5 Hz.
5. The Standard shall coordinate with PRC-024 Generator Performance During Frequency and Voltage Excursions (which is currently under development in Project 2007-09 Generator

Verification) such that generator underfrequency trip settings are set such that generators are designed to trip after all steps in the underfrequency load shedding have been implemented during frequency variations.

6. If the Regional Entity does not maintain their UFLS database, ~~the~~The Standard shall ~~identify~~ specify the entity(s) responsible for maintaining an UFLS ~~program~~ database.
7. The Standard shall specify the entity(s) responsible for providing data at least every five years to support maintenance of the database specified above in item 6.
- ~~3. The Standard shall require that the database be updated at least every five years and include sufficient information to model the UFLS program in dynamic simulations of the interconnected transmission systems. The Standard shall require the responsible entity(s) to provide the database to the Regional Entity or the ERO on request within 30 calendar days.~~
8. The Standard shall ~~identify~~ specify the ~~Functional Model~~ entity(s) responsible for owning, installing, and setting ~~implementing the~~ UFLS equipment ~~program~~.
- ~~4. If the Regional Entity does not perform the UFLS assessment, The Standard shall require the entity(s) to provide data to support maintenance of the database specified above in item 3. The Standard shall specify any documentation required to support this data.~~
- ~~5. The~~The Standard shall ~~identify~~ specify the entity(s) responsible for performing the UFLS assessment. The UFLS assessment shall ~~verify~~ing through dynamic simulation ~~that the technical design parameters of the regional UFLS program are adequate to meet the performance requirements specified above in item 2.~~that the implementation of the Standard is adequate to meet the performance characteristics in item 4 above for the identified islands in item 2 above. ~~Verification~~The UFLS Assessment shall be conducted ~~periodically~~: at least every five years, ~~or as required by changes in system conditions,~~ sooner as warranted ~~or following a system event resulting in system frequency excursions below the initializing set points of the regional UFLS standard. The Standard shall require the responsible entity(s) to provide documentation of the verification to the Regional Entity or NERC on request within 30 calendar days.~~
- 9.

## A. Introduction

1. **Title:** **Automatic Underfrequency Load Shedding**
2. **Number:** PRC-~~006~~300-14
3. **Purpose:** ~~Provide~~ Establish continent-wide documentation and reporting requirements for ~~implementing~~ automatic Underfrequency Load Shedding (UFLS). ~~programs to arrest declining Bulk Electric System frequency.~~

Note: Regional reliability standards establish requirements to arrest declining frequency and assist recovery of the frequency to within an acceptable operating range in support of this continent-wide standard.

4. **Applicability:**
  - 4.1. Transmission Owners responsible for owning, installing, and setting UFLS equipment~~that have UFLS equipment installed.~~
  - ~~3.2. Transmission Operators that operate UFLS equipment.~~
  - 4.3.4.2. Distribution Providers responsible for owning, installing, and setting UFLS equipment~~that have UFLS equipment installed or operate UFLS equipment.~~
  - 4.4.4.3. Load-Serving Entities responsible for owning, installing, and setting UFLS equipment~~that have UFLS equipment installed or operate UFLS equipment.~~
  - 4.5.4.4. Reliability Coordinators.
5. **Effective Date:** TBD

## B. Requirements

- ~~R1.10.~~ ~~The~~ Transmission Owners, Distribution Providers, and Load Serving Entities responsible for owning, installing, and setting UFLS equipment~~that have UFLS equipment installed~~ shall annually document and verify that the amount of load shed meets the technical design parameters of the regional UFLS standard. *[Violation Risk Factor: Lower]*
- ~~R2.11.~~ ~~The~~ Transmission Owners, Distribution Providers, and Load Serving Entities responsible for owning, installing, and setting UFLS equipment~~that have UFLS equipment installed~~ shall document UFLS relay operation(s) and the settings for each UFLS relay following each system event which resulted in system frequency excursions below the initializing set points of the regional UFLS standard. *[Violation Risk Factor: Lower]*
- ~~R3.12.~~ ~~The~~ Transmission Owners, Distribution Providers, and Load Serving Entities responsible for owning, installing, and setting UFLS equipment shall provide the documentation identified in R2 to their Reliability Coordinator within 30 days of each system event which resulted in system frequency excursions below the initializing set points of the regional UFLS standard. *[Violation Risk Factor: Lower]*

**R4.13.** Transmission Owners, Distribution Providers, and Load Serving Entities responsible for owning, installing, and setting UFLS equipment ~~The Load Serving Entities~~ shall document the amount of load shed at each UFLS program step following each system event which resulted in system frequency excursions below the initializing set points of the regional UFLS standard. *[Violation Risk Factor: Lower]*

**R5.14.** Transmission Owners, Distribution Providers, and Load Serving Entities responsible for owning, installing, and setting UFLS equipment ~~The Load Serving Entities~~ shall provide shall provide the documentation identified in R4 to their Reliability Coordinator within 30 days of each system event which resulted in system frequency excursions below the initializing set points of the regional UFLS standard. *[Violation Risk Factor: Lower]*

**R6.15.** The Reliability Coordinator shall analyze the documentation provided pursuant to R3 and R5 and document the UFLS program performance following each system event which resulted in system frequency excursions below the initializing set points of the regional UFLS standard. The Reliability Coordinator's documentation of the event shall include: *[Violation Risk Factor: Medium]*

- A description and sequence of the event including initiating conditions.
- A summary of the UFLS relay operation and amount of load shed.
- A summary of the performance of UFLS program.

**R7.16.** The Reliability Coordinator shall provide the documentation prepared pursuant to R6 to its ~~Regional Entity and NERC~~ within 60 calendar days following a system event resulting in system frequency excursions below the initializing set points of the regional UFLS standard. *[Violation Risk Factor: Lower]*

### C. ~~Measures~~<sup>[HSM2]</sup>

- M1.** The Transmission Owners, Distribution Providers, and Load Serving Entities that have UFLS equipment installed shall have evidence of an annual verification that the amount of load shed meets the technical design parameters of the regional UFLS standard.
- M2.** The Transmission Owners, Distribution Providers, and Load Serving Entities that have UFLS equipment installed shall have documentation of UFLS relay operations and settings for each UFLS relay for each system event which resulted in system frequency excursions below the initializing set points of the regional UFLS standard
- M3.** The Transmission Owners, Distribution Providers, and Load Serving Entities shall have evidence that they provided the documentation identified in R2 to their Reliability Coordinator within 30 days of each system event which resulted in system frequency excursions below the initializing set points of the regional UFLS standard
- M4.** The Load Serving Entities shall have documentation of the amount of load shed at each UFLS program step following each system event which resulted in system frequency excursions below the initializing set points of the regional UFLS standard.
- M5.** The Load Serving Entities shall have evidence that they provided the documentation identified in R4 to the Reliability Coordinator within 30 days of each system event which resulted in system frequency excursions below the initializing set points of the regional UFLS standard
- M6.** The Reliability Coordinator shall have documentation of the performance of the UFLS program for each system event which resulted in system frequency excursions below the initializing set points of the regional UFLS standard

- M7.** The Reliability Coordinator shall have evidence that it provided the documentation prepared pursuant to R6 to its **Regional Entity and NERC** within 60 days following each system event which resulted in system frequency excursions below the initializing set points of the regional UFLS standard

**D. Compliance**

**1. Compliance Monitoring Process**

**1.1. Compliance Monitoring Responsibility**

Compliance Monitor: NERC.

**1.2. Compliance Monitoring Period and Reset Timeframe**

On request (within 30 calendar days) for the program, database, and results of assessments.

**1.3. Data Retention**

None specified.

**1.4. Additional Compliance Information**

None.

**2. Levels of Non-Compliance**

**2.1. Level 1:** Documentation demonstrating the coordination of the Regional Reliability Organization's UFLS program was incomplete in one of the elements in Reliability Standard PRC-006-0\_R1.

**2.2. Level 2:** Not applicable.

**2.3. Level 3:** Not applicable.

**2.4. Level 4:** Documentation demonstrating the coordination of the Regional Reliability Organization's UFLS program was incomplete in two or more requirements or documentation demonstrating the coordination of the Regional Reliability Organization's UFLS program was not provided, or an assessment was not completed in the last five years.

**E. Regional Differences**

1. None identified.

**Version History**

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New

~~R8.~~