SPP Southwest Power Pool

Helping our members work together
to keep the lights on...
today & in the future

SPP Regional Standard Update

Under Frequency Load Shedding (UFLS)

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Kansas City, MO

Project 2007-01 (PRC-006-1)

Draft 1 August 2008	• Not Balloted
Draft 2 May 2009	• Not Balloted
Draft 3 July 2010	• Failed (43.13%)
Draft 4 August 2010	• Failed (49.61%)
Draft 5 October 2010	• Passed (81.72%)

- **WECC Variance**
- **Next Steps**

Last Update of Regional Standard

- **Draft 3 was posted for comments**
  - **Applicability Section**
  - **Modified technical requirements**
  - **Removed proposed definitions**
- **Detailed UFLS study was getting under way**
  - **PowerTech Labs**

Do We Still Need a Regional Standard?

- **Continent-wide applicable to:**
  - **PC's**
  - **"UFLS entities" which includes all entities that "own, operate, or control UFLS equipment"**
    - **TO's and DP's**
- **Regional standard includes GO's**

Do We Still Need a Regional Standard?

- **Continent-wide specifies:**
  - **A program has to be developed**
  - **Program has to meet certain performance characteristics**
  - **Assessment of program at least every 5 years**
  - **Coordination with adjacent PC's**
- **Regional standard defines what the UFLS program is…fills in the blanks.**

(1) UFLS Step	(2) Frequency (hertz)	(3) Minimum accumulated load relief as percentage of forecasted peak Native Load (%)	(4) Maximum accumulated load relief as percentage of forecasted peak Native Load (%)
1	59.3	10	15
2	59.0	20	30
3	58.7	30	45

- **Other program details include:**
  - **Relay setting boundaries**
  - **Specific reporting requirements**
  - **Compensatory load shedding**

Where We Are Today

- **Results of PowerTech Study**
  - **Preliminary Results Reviewed by SPCWG October 11th and 12th**
  - **Indicates SPP's UFLS scheme complies with NERC/SPP requirements**
  - **Additional refinement of results**
- **Disposition of continent-wide standard**

Next Steps

- **Develop Draft 4**
  - **Post**
  - **Ballot**
  - **Pass or Fail**
- **Present to MOPC, BOD/MC in April 2011**

Southwest Power Pool

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