

## Meeting Notes Project 2010-05.1 Protection Systems: Phase 1 (Misoperations)

February 7-9, 2012 | 8:00 a.m.-5:00 p.m. CT  
Dallas, TX

### Administrative

#### 1. Introductions

The meeting was brought to order by the Mark Kuras at 8:00 a.m. CT on Tuesday, February 7, 2012. David Youngblood provided the team with building and safety information/logistics. Introductions were made. Those in attendance were:

Name	Company	Member/ Observer	In-person (Y/N)	Conference Call/Web (Y)
Art Buanno	ReliabilityFirst	Member	Y	
Martin Bauer	US Bureau of Reclamation	Member	Y	
Paul DiFilippo	Hydro One	Member	Y	
Mark Gutzmann	Xcel Energy	Member	Y	
Ted Kramer	Duke Energy	Member	Y	
Mark Kuras	PJM	Member	Y	
Bill Middaugh	TriState G & T	Member	N	Y
John Miller	Georgia Transmission	Member	Y	
Steve Paglow	AEP	Member	Y	
Rick Purdy	Dominion	Member	Y	

<b>Name</b>	<b>Company</b>	<b>Member/ Observer</b>	<b>In-person (Y/N)</b>	<b>Conference Call/Web (Y)</b>
Tim Seeber	Com Ed	Member	N	Y
Patrick Sorrells	SMUD	Member	Y	
Al McMeekin	NERC	Member	Y	
Jessica Bian	NERC	Observer	N	
Forrest Brock	WFEC	Observer	Y	
Sam Francis	Oncor	Observer	Y	
Joe Spencer	SERC	Observer	Y	
Juan Villar	FERC	Observer	Y	
Phil Winston	Southern Co.	Observer	Y	

**2. Determination of Quorum**

The rule for NERC Standard Drafting Team (SDT) states that a quorum requires two-thirds of the voting members of the SDT be present. Quorum was achieved as 12 of 13 members were in attendance.

**3. NERC Disclaimer**

The NERC Disclaimer was read by Al McMeekin.

**4. NERC Antitrust Guidelines**

The NERC Antitrust Guidelines were reviewed by Mr. McMeekin. There were no questions raised.

**5. Roster Updates**

The team reviewed the team roster and confirmed that it was accurate and up to date.

**Agenda**

**1. Approval of Meeting Notes from Previous Meetings**

The notes from the January 10-12, 2012 meeting were reviewed and approved as posted.

## 2. Discussion

- a. Section 4.2 Facilities was modified to include: 4.2.3 Relay functions not included (these are non-protective functions that may be imbedded within a Protection System). Two functions were listed: 4.2.3.1 Control (e.g. controlled shut down of generators or capacitor bank switching. Also see Guidelines and Technical Basis section for detailed examples); 4.2.3.2 Automation (e.g. data collection). Are these the only functions that need to be excluded? This must be an all inclusive list. Also need to verify this was included as highlighted.
- b. Revised Requirements R3 and R4 to include: “a CAP (including an evaluation of the CAP’s applicability to the entity’s Protection Systems at other locations)” to address the concern that the portion of Requirements R1 and R2 of PRC-004-2 that reads: “implement a Corrective Action Plan to avoid future Misoperations of a similar nature” had not been covered adequately in the new draft standard.
- c. Added Requirement R5 for the reporting of Misoperation data, along with Measure M5, the rationale and technical basis.
- d. Reviewed Attachment 1 and discussed the changes necessary to make it congruent with the draft standard and assigned a sub-team to revise it prior to the next meeting.
- e. Developed the mapping document for the translation of PRC-003-1 and PRC-004-2a to PRC-004-3.
- f. Revised the VSLs for Requirements R1 and R2.
- g. Revised the Rationale Boxes and Technical Basis for all Requirements.

## 3. Action Item Review

- a. Mark Kuras to update the Consideration of Comments document.
- b. Martin Bauer and Patrick Sorrells to write VSLs for Requirements R3, R4, and R5.
- c. Each sub-team to review and update its requirement’s technical basis and rationale.
- d. Sub-team to update Attachment 1.
- e. Mr. McMeekin will send team draft standard and other documents along with assignments
- f. Mr. McMeekin will review all documents required for quality review submittal for thoroughness.

## 4. Future meeting(s)

February 28 – March 1, 2012 at TriState G & T in Westminster, CO

## 5. Adjourn

The meeting adjourned at 5:30 p.m. CT on February 9, 2012