

System Restoration and Blackstart SAR Drafting Team

April 18–20, 2007
Columbia, South Carolina

Meeting Notes

1. Administrative Items

a. Introductions and Quorum

The Chair called the meeting to order at 0800 on April 18, 2007. Meeting participants were:

Francis Esselman, Vice Chair	Richard Kafka, Chair	Al McMeekin
Doug Rempel	Mike Richardson	George Rodriguez
Mo Tadayon	Rick Terrill	Ed Dobrowolski, NERC

Quorum was achieved.

b. NERC Antitrust Compliance Guidelines — Ed Dobrowolski

There were no questions raised concerning the NERC antitrust guidelines.

c. Review Meeting Agenda & Objectives — Dick Kafka

The main goal for this meeting is to begin the process of drafting wording for the revised standards.

2. Review SAR Status — Ed Dobrowolski

The SAR has been approved by the Standards Committee (SC) and officially posted. The SC approved the SAR DT members to continue on as the SDT but wants to supplement the current membership with new people from WECC and SPP if possible. A call for nominations has been posted. Rod Byrnell is still listed as an observer on the official roster. He will be asked to re-nominate as the WECC representative if he wants to continue as a team member.

3. Discuss Approach for Standards Development — Dick Kafka

We need to follow the official ANSI-approved process. We should also expect a more active role from FERC staff now that Order 693 has been published. As an official SDT, we should have a compliance coordinator assigned to the team shortly. As there is not a great deal of previous standards writing experience on this team, we need to remember that we can no longer write requirements to the RRO. We also need to remember that we are dealing with “what” and not “how”.

The team decided to take a preliminary look at the items pointed out in Order 693 as the first step in the process.

- EOP-005:
 - Paragraph 627
 - The team agreed that requirements for field personnel and blackstart operators need to be included.
 - Specifics may be sent to the PER team if not included in this project.
 - Drills and training are to be included.
 - We need to specify the type of training, e.g., classroom vs. hands-on.
 - We could specify the number of hours that need to be set aside for system restoration and blackstart training.
 - We need to address simulation training capability.
 - Paragraph 628
 - Measures and compliance levels will be sent out with the first draft.
 - We need to specifically address Attachment I. The initial thoughts are to bring it up into the text for requirements.
 - We should define partial shutdown or eliminate the requirement. Restarting from a 'live' transmission system is not seen as a problem and therefore not part of this standard.
 - We can provide a list of factors that should be in a plan. We will need to check with First Energy to see exactly what they were referring to.
 - The plan must address the need to balance load and generation.
 - Paragraph 629
 - The team is aware of the NRC concerns and believes that they can be adequately addressed.
 - Paragraph 630
 - Data gathering is not part of EOP, it should be covered elsewhere such as in MOD or even NUC if it is not already covered in NERC policies and agreements.
- EOP-006:
 - Paragraph 636
 - The SDT agrees that at a minimum, the RC needs to review and coordinate plans and to provide feedback.
- EOP-007:
 - Paragraph 645
 - These requirements need to be assigned to the correct entity which is probably the RC in general but some of the items may be for the TOP.
 - The footnote needs to be retained.
 - Paragraph 646
 - The SDT sees no way to set national criteria for the exact number and location of units in a BCP.
 - Testing criteria need to be established.
 - One alternative may be to simply list the criteria needed in order to be considered as a blackstart unit.
 - Restoration is for the BES, not load.
 - Paragraph 647
 - These items have already been discussed.

- EOP-009
 - Paragraph 676
 - The SDT agrees with the comments.

AI – Ed Baznik, First Energy SDT member, needs to find out what exactly was meant in the First Energy comment in paragraph 628.

4. Discuss Detailed Schedule — Ed Dobrowolski

A draft detailed schedule for this project was presented and explained. It was based on two postings and one re-circulation ballot. If we can maintain this rather aggressive schedule, we can complete our work by the estimated date in the work plan of mid-April 2008. The schedule is included with these notes as **Attachment A**. Now that the proposed schedule has been published, we are obligated to make every effort to attain the dates shown.

5. Develop Standards Language — All

The SDT as a whole worked on revising the existing standards. Several key points came up in these discussions:

- Communications requirements during system restoration should really be handled in COM-002. However, it is not clear when this might happen so the revised EOP standards will carry system restoration communication requirements until the SDT can be assured that they are treated elsewhere. Regardless, COM-002 should be listed as an associated standard.
- Training requirements will be set up as a separate standard, new EOP-010-0. This allows for greater visibility for training and also allows the flexibility to easily move the standard to PER if the SC sees fit.
- BAL-006 should be listed as an associated standard.
- Violation risk factors and mitigation time horizons will probably wait until the second posting.
- We need to look at EOP-001.

6. Assign Work Teams & Discuss Next Steps — Dick Kafka

Several sub-teams were set up to continue the work begun at this meeting:

EOP-005 Measures & Compliance	EOP-006 including M & C	EOP-010: Training	EOP-005, R8.1.2 – testing requirements
Dick (lead)	Francis (lead)	Rick (lead)	Francis (lead)
Ed Baznik	George	Doug	Doug
	Mark Kuras	Mo	Mo
	AI		Mike

Assignments were made for some members who were not present. If other members who were not at the meeting want to join one of the sub-teams, they should contact the sub-team leader. NERC staff will assist the sub-teams in setting up conference calls and WebEx capabilities as requested and will participate as available. Sub-team leaders are requested to distribute e-mails for conference calls to the entire roster.

7. Schedule Next Meeting — Dick Kafka

- a.** Wednesday, May 17, 2007 – Conference call and WebEx from 1200 to 1600 EDT (Note change from original estimated date and time.)
- b.** Wednesday, June 13, 2007 starting at 1300 CDT through Friday, June 15, 2007 at noon CDT. The location of the meeting may be in Milwaukee, WI. Francis Esselman is to confirm the meeting location. Members are requested to attend for the entire time period.
- c.** Monday, July 16, 2007 – Conference call and WebEx from 1100 EDT to 1500 EDT.
- d.** Wednesday, August 15, 2007 and Thursday, August 17, 2007 – Location TBD.

AI – Francis Esselman is to confirm Milwaukee, WI as the location for the June meeting.

AI – All team members are requested to mark their calendars now for all sessions even if the location has not been finalized.

8. Review Action Items & Project Schedule — Ed Dobrowolski

The schedule has been set as discussed in item 4. Progress against this schedule will be tracked in subsequent meetings.

The following action items were developed at this meeting:

- Ed Baznik, First Energy SDT member, needs to find out what exactly was meant in the First Energy comment in paragraph 628.
- Francis Esselman is to confirm Milwaukee, WI as the location for the June meeting.
- All team members are requested to mark their calendars now for all sessions even if the location has not been finalized.

9. Adjourn

The Chair adjourned the meeting at 1100 on April 20, 2007. The entire team thanked SCANA for acting as host for this meeting.

SRBSDT Schedule

SRBSDT Schedule					
Major work division	Action	Duration	Scheduled date	Actual date	Comments
Prepare 1st posting	Initial meeting	2.5 d	4/18/07	4/18/07	first meeting of SDT
	Conference call	1d	5/17/07		progress reports
	2nd meeting	2d	6/13/07		group review & develop questions
	Conference call	1d	7/16/07		progress reports
	3rd meeting	2d	8/15/07		finalize wording
	Clean-up documents		8/17/07		Handoff to PM
	Submit to Process Mgr. for initial review		8/20/07		
	Respond to PM comments		8/23/07		Conference call if required
	Submit for posting		8/30/07		
Post for comments	6w	9/4/07			
Prepare 2nd posting	Gather comments		10/15/07		
	Meeting	2d	10/31/07		
	Conference call #1	1d	11/13/07		
	Conference call #2	1d	11/27/07		
	Clean-up documents		12/2/07		
	Process Mgr. review and clean-up for posting		12/5/07		
	Submit for posting		12/7/07		
	Post for comments	4w	12/10/07		
Prepare for ballot	Gather comments		1/7/08		
	Conference call	1d	1/15/08		send out note for ballot pool
	Clean-up documents		1/22/08		
	Process Mgr. review		1/25/08		
Membership ballot	Notice	1m	1/15/08		
	1st Ballot	2w	2/18/08		
	Gather comments	1w	3/4/08		
	Conference call	1d	3/7/08		
	Clean-up documents	2d	3/11/08		
	2nd ballot	2w	3/17/08		
	Posting for BOT	1d	4/1/08		

SRBSDT Schedule

Board action	Submit to BOT	1d	4/1/08
Target date			4/15/08