NERC

NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

Agenda
Cyber Security Order 706 SDT — Project 2008-06

March 9, 2010 | 1 PM to 5:30 PM MST
March 10, 2010 | 8 AM to 5 PM MST
March 11, 2010 | 8 AM to 5 PM MST
March 12, 2010 | 8 AM to 12 PM MST

Arizona Public Service CHQ
400 N. 5th St.
Phoenix, AZ 85004

NOTE:
1. Agenda Times May be Adjusted as Needed during the Meeting
2. Drafting Team Meetings May Not Have Access to Telephones and Ready Talk

Proposed Meeting Objectives/Outcomes

- Review the revised CSO 706 SDT 2010 Work plan and Convergence Schedule Proposal
- Receive updates on other related cyber security initiatives
- Receive a NERC update on implementing the CIP Communication Plan and May 2010 Technical Workshop
- Review, discuss industry comments and identify issues raised to be addressed in revised CIP-002-4
- Review, refine and test consensus on a revised draft CIP 002-4 and Industry Response Document
- Receive progress reports for Security Controls Requirements Sub-Teams
- Develop and Test Sub-Team Security Controls Requirements
- Agree on next steps and assignments

Draft Agenda

Tuesday	**March 9, 2009**
1:00 p.m.	Welcome and Opening Remarks- *John Lim, Chair & Phil Huff, Vice Chair*
	Roll Call; NERC Antitrust Compliance Guidelines
	Facilitator review and SDT acceptance of February 16-19, 2010 Austin SDT meeting summary
1:10	Review of Meeting Objectives, Agenda and Meeting Guidelines- *Bob Jones*
1:15	Review and Discussion of CSO 706 SDT Workplan and Convergence Schedule - March-December, 2010- *Stu Langton*
1:45	Updates on other related cyber security initiatives- *NERC Staff and SDT Members*

1:55	Update on CIP Communication Plan and May 2010 Technical Workshop - *Carl Dombek*
2:15	Review of Revised CIP-002-4 Draft based on Industry and SDT Response to Industry Comments- *Draft CIP-002 Drafting Team, John Lim et al.*
3:00	*Break*
3:15	Continue review and discussion of revised draft CIP 002-4
5:25	Review of Proposal for Wednesday Agenda
5:30	*Recess*

- *Possible Security Controls Requirements Sub Team Meetings- Evening*
- *If needed, CIP-002 Drafting Team to meet to finalize draft and present for adoption Wednesday morning.*

Wednesday	**March 10, 2010**
8:00	Welcome and Agenda Review, Roll Call and Antitrust Guidelines- *John Lim, Phil Huff, Joe Bucciero*
8:10	Review and Consideration of draft CIP-002-4 as revised and the Industry Comments Response Document
9:00	Sub-team Progress Reports and SDT Discussion of Key and Any Overlapping Issues

- Security Governance
- Personnel and Physical Security
- Operations Security
- Recovery and Response
- Access Control and Auditing
- Change Management, System Lifecycle and Information Management

10:30	Break
11:00	Review of Guidance and Overall Format for Security Controls Requirements Sub-teams
10:45	Sub-team Progress Reports and SDT Discussion of Key Issues- *Continued*
11:45	Security Controls Sub-Teams
12:00	*Working Lunch*
1:00	Security Controls Sub-Teams
4:55	Review Assignments and Thursday Agenda
5:00	*Recess*

- *Possible Security Controls Requirements Sub Team Meetings- Evening*

Thursday	**March 11, 2010**
8:00	Welcome and Agenda Review, Roll Call and Antitrust Guidelines- *John Lim, Phil Huff, Joe Bucciero*
8:10	Security Controls Sub-Teams
10:00	Break
10:15	Security Controls Sub-Teams
12:00	*Working Lunch*
1:30	Sub-Team Reports and Full Team Consensus Testing on Refinements
3:00	Break
3:15	Sub-Team Reports and Full Team Consensus Testing on Refinements-*Continued*
4:45	Review Any Drafting Assignments and Friday Agenda

5:00   *Recess*
- *Possible Security Controls Requirements Sub Team Meetings- Evening*

Friday   **March 12, 2010**

8:00   Welcome and Agenda Review, Roll Call and Antitrust Guidelines- *John Lim, Phil Huff, Joe Bucciero*

8:10   Sub-Team Reports and Full Team Consensus Testing on Refinements-*Continued*

10:15   *Break*

10:30   Sub-Teams Reconvene to Review Refinements, Schedule and Assignments

11:00   Next Steps CIP 002 Drafting Group

11:15   Review of May 2010 Technical Workshop Planning and Preparation

11:45   Review and Agree on Next Steps and Meeting Evaluation

12:00   *Adjourn & Lunch*

PROJECT 2008-06 CYBER SECURITY ORDER 706 SDT MEMBERS

1. Rob Antonishen	Ontario Power Generation
2. Jim Brenton	ERCOT
3. Jackie Collett	Manitoba Hydro
4. Jay S. Cribb	Information Security Analyst, Southern Company Services
5. Joe Doetzl	Manager, Information Security, Kansas City Pwr. & Light Co.
6. Sharon Edwards	Duke Energy
7. Gerald S. Freese	Director, Enterprise Info. Security America Electric Pwr.
8. Jeff Hoffman	U.S. Bureau of Reclamation, Denver
9. **Phillip Huff, Vice Chair**	Arkansas Electric Coop Corporation
10. Doug Johnson	Exelon Corporation – Commonwealth Edison
11. Frank Kim	Ontario Hydro
12. Rich Kinas	Orlando Utilities Commission
13. Patricio Leon Alvarado	Southern California Edison
14. John Lim, Chair	CISSP, Department Manager, Consolidated Edison Co. NY
15. David Norton	Entergy
16. David S. Revill	Georgia Transmission Corporation
17. Scott Rosenberger	Luminant
18. Kevin Sherlin	Sacramento Municipal Utility District
19. Jonathan Stanford	Bonneville Power Administration
20.Keith Stouffer	National Institute of Standards & Technology
21. John D. Varnell	Technology Director, Tenaska Power Services Co.
22. William Winters	Arizona Public Service, Inc.
Roger Lampila	NERC
Scott Mix	NERC
Dave Taylor	NERC
Howard Gugel	NERC
Joe Bucciero	NERC/Bucciero Consulting, LLC
Robert Jones	FSU/FCRC Consensus Center
Hal Beardal	FSU/FCRC Consensus Center
Stuart Langton	FSU/FCRC Consensus Center

CSO 706 SDT MEETING SCHEDULE- CONVERGENCE PROPOSAL
APRIL –DECEMBER 2010 *(To be discussed on Tuesday)*

Schedule Convergence: Full CIP V4 Package *(Feb. 27, 2010)*		
Date	**Week of**	**CIP Task**
SDT Meeting-Atlanta (4-13-16)	4/12/2010	Present Controls draft for full team review and comment. Sub team drafting. Finalize draft for Informal Comment, Full Package
4/20/2010	4/19/2010	*Informal Comment Posting for full package starts*
~~5/1/2010~~ 5/3/2010	4/26/2010	*~~Informal Comment Posting for full package starts~~ Webinar*
SDT Meeting-Dallas, (5-11-14)	5/10/2010	
	5/17/2010	Technical Workshop??
	5/24/2010	
6/4/2010	5/31/2010	*2nd Informal comment period ends*
SDT Meeting, Sacramento (6-8-11)	6/7/2010	SDT Meeting: Comment review, response process, drafting
	6/14/2010	Sub team meetings
	6/21/2010	Sub team meetings
	6/28/2010	Sub team meetings. SDT interim online meeting.
	7/5/2010	Candidate responses, package modifications to SDT
SDT Meeting, TBD, 7-13-16	7/12/2010	Finalize posting for 45 day formal comment period
~~7/22/2010~~	7/19/2010	*~~45 Day formal comment period starts/Ballot Pool formation~~ NERC Prepares Materials/Seeks SC Approval*
7/26/2010	7/26/2010	*45 Day formal comment period starts/Ballot Pool formation*
	8/2/2010	
SDT Meeting, TBD, (8-10-13)	8/9/2010	SDT Meeting

	8/16/2010	
8/24/2010	8/23/2010	*30 Ballot Preview/Initial Comment Preview ends*
8/31/2010	8/30/2010	~~*Formal Comment Period/Ballot ends*~~ *Initial Ballot Starts*
SDT Meeting TBD, 9-7-10	9/6/2010	Respond to comments. Drafting.
	9/9/2010	Initial Ballot Ends
	9/13/2010	Sub team meetings
	9/20/2010	Sub team meetings
	9/27/2010	Sub team meetings. Full SDT on-line meeting
	10/4/2010	Sub team meetings
SDT Meeting TBD, 10-12-15	10/11/2010	Finalize responses and 2nd ballot version (NERC staff expects to start work on posting candidate on 10/12??)
~~*10/20/2010*~~ *10/19/2010*	10/18/2010	*2nd ballot starts*
~~10/30/2010~~ 10/29/2010	10/25/2010	*2nd ballot ends*
	11/1/2010	Compile comments - On-line meetings
	11/8/2010	~~Compile comments - On-line meetings~~
SDT Meeting TBD, 11-16-19	11/15/2010	Respond to comments/Draft 3rd Ballot Postings
	11/22/2010	~~*Finalize Posting version for 3rd Ballot - On-line meetings*~~ *NERC finalizes ballot package*
11/24/2010		*3rd Ballot Begins*
~~*11/30/2010*~~	11/29/2010	~~*3rd Ballot Begins*~~
~~*12/10/2010*~~ *12/6/2010*	12/6/2010	*3rd Ballot Ends*
SDT Meeting TBD, 12-13-17	12/13/2010	SDT Meeting
	~~*12/20/2010*~~ *12/28/2010*	*Submit for Regulatory Approval*

CSO 706 SDT WORKPLAN TO DATE
OCTOBER, 2008 –DECEMBER 2010
DEVELOPMENT OF CIP VERSION 2 AND NEW VERSION FRAMEWORK
OCTOBER 2008–JULY 2009

1. October 6–7, 2008 — Gaithersburg, MD Reviewed CIP-002-CIP-009, Agreed on Version 2 approach.

2. October 20–21 —Sacramento, CA CIP-002-CIP-009 Version 2 development

3. November 12–14, 2008 — Little Rock, AR CIP-002-CIP-009 Version 2 adoption for comment and balloting; CIP-002-CIP-009 New Version process reviewed.

4. December 4–5, 2008 — Washington D.C. CIP-002-CIP-009 Version 3 reviewed and debated, SDT member white "working" papers assigned, Technical Feasibility Exceptions white paper reviewed and refined.

5. January 7–9 — Phoenix, AZ, Reviewed Technical Feasibility Exceptions white paper**,** reviewed industry comments on CIP-002-CIP-009 Version 2 products — established small groups to draft responses, reviewed New Version white "working" papers.

January 15 — WebEx meeting(s) Small group drafted responses to industry Version 2 comments.

January 21 — WebEx meeting(s) Small group drafted responses to industry Version 2 comments.

6. February 2–4, 2009 — Phoenix, AZ Update on NERC Technical Feasibility Exceptions process**,** VSL process and SDT role**,** review of Version 3 White papers, strawman and principles**,** reviewed and adopted SDT responses to industry comments on Version 2 and Version 2 Product Revisions.

7. February 18–19, 2009 — Fairfax, VA Update on Version 2 process**,** NERC TFE process and VSL Team process; reviewed, discussed and refined Version 3 CIP-002 White papers, strawman, and principles.

8. March 10–11, 2009 — Orlando, FL Update on NERC TFE and VSL and VRF Team process and review and refine Version 3 CIP-002 Strawman Proposals

March 2–April 1, 2009 — 30-day Pre Ballot

Mid-March — NERC posts TFE draft Rules of Procedure for industry comment

March 30, 2009 — WebEx meeting(s) White Paper Drafting Team

April 1–10 — NERC Balloting on Version 2 Products

April 6, 2009 — WebEx meeting — White Paper Drafting Team

April 8, 2009 — WebEx meeting(s) — White Paper Preview- Full SDT Conference Call

April 11, 2009 — Version 2 Ballot Results (Quorum: 91.90% Approval: 84.06%) and Industry Comments

9. April 14–16, 2009 — Charlotte NC Update on NERC TFE process, VSL Team process and NERC Critical Assets Survey; agreed and adopted responses for Version 2 industry comments for recirculation ballot; reviewed and refined Version 3 whitepaper and consensus points and progress report to NERC Member Representative Committee (MRC) May meeting.

April 28 and May 6, 2009 — White Paper Drafting Team Meetings and WebEx

April 17–27, 2009 — Recirculation Results: Quorum: 94.37% Approval: 88.32%

May 5, 2009 — NERC MRC Meeting, Arlington, VA- SDT progress report.

10. May 13–14, 2009 — Boulder City NV Reviewed MRC presentation and further SDT refinement and discussion of the Version 3 White Paper.

June 8 and June 15, 2009 — Working Paper Drafting Team Meetings and WebEx

11. June 17–18, 2009 — Portland OR Further SDT refinement of the draft CIP Version 3 Working Paper(s), reviewed SDT development process for June-December 2009; discussed potential SDT subcommittee structure and deliverables.

- *June — WebEx meeting(s)*
- *Working Paper drafting group sessions including inputs from selected industry personnel to help establish BES categorization criteria*

CIP-002 DEVELOPMENT OF REQUIREMENTS, MEASURES, ETC. JULY-DECEMBER 2009

12. July 13–14, 2009 in Vancouver, B.C., Canada

SDT reviewed, refined, and adopted SDT Working Paper. SDT adopted its response to NERC for Interpretation of CIP-006-1. SDT reviewed and adopted a proposal for CIP-002 Subgroups and Deliverables and convened subgroup organizational meetings to develop work plans. SDT adopted 2010 Meeting Schedule.

- *July–August Interim Conference call meeting(s)*
- *CIP-002 Subgroup meetings*
- *CIP-002 Coordination Team meeting*
- *August 3–5, 2009 in Winnipeg, Manitoba **NERC Member Representative Committee**. Progress Report and presentation on new CIP Version 3 Working Paper-Concept- Reliability Standards on Cyber Security for MRC input.*

13. August 20–21, 2009 in Charlotte, NC. SDT reviewed and responded to MRC input on Working Paper/CIP-002 Concepts and convened SDT Subgroup and plenary meetings to develop CIP-002 requirements and "proof of concept" control (s).

- *July–September — 45-day Industry Comment Period on CIP-002 Concept Working Paper*
- *NERC Webinar- August–September Interim Conference Call meeting(s)*
- *CIP-002 Subgroup meetings (as ne*
- *CIP-002 Coordination Team meeting*

14. September 9–10, 2009 in Folsom, CA. SDT reviewed and considered industry comments on the Working Paper and CIP-002 concepts and their application to the subgroup work and addressed coordinating issues through joint subgroup meetings. SDT agreed on meeting dates and proposed locations for January–December 2010

September–October Interim WebEx meeting(s)

- *FERC Version 3 Urgent Action SDT conference call meetings*
- *CIP-002 Coordination Team meeting*

<div align="center">

C<small>IP</small> V<small>ERSION</small> 3 R<small>ESPONSE TO</small> FERC O<small>RDER</small>, O<small>CTOBER</small>-D<small>ECEMBER</small>, 2009

</div>

15. October 20–22, 2009 in Kansas City, MI. Reviewed new FERC Order and urgent action CIP Version 3 process; discussed key issues raised by SDT CIP 002 Subgroups, small group meetings and agreement on refinements to the CIP 002-009 schedule and drafting process for CIP 002-4.

- *October–November Drafting Team meeting(s)*
- *CIP-002 Coordination Team meeting*

16. November 16–19, 2009 in Orlando, FL

- SDT review, refine and adopt Version 3 "industry response" document.
- SDT plenary and drafting group session(s) — to draft, review and refine CIP-002-4 standard, requirements, measures and controls and related documents.
- November–December Interim Conference call meeting(s)
- Drafting teams as needed to finalize draft CIP 002-4 documents
- CIP-002 Coordination Team meeting
- *CIP 002-4 Drafting Team produces next draft based on Orlando Meeting input.*
- *December 2 CSO 706 SDT Version 3 Consideration of Comments Draft Conference Call*
- *December X, CSO 706 SDT CIP 002-4 Preview Conference Call*

17. December 15–16, 2009 in Little Rock AK

- SDT scenario "walk through" to test flow of CIP 002-4.
- SDT plenary and drafting group session(s) to review, refine, and agree on and adopt CIP-002-4 standard, requirements, measures and controls and related documents.
- Agree on initial posting of draft CIP-002-4 for industry review and comment.
- Agree on next steps and 2010 Workplan and schedule

CIP Version 3 Key Steps/Schedule
1. *Post for Industry Comment 10-13-09 to 11-12-09*
2. **November 13 SDT Conference Call- Review of Industry Comments and Response**

3. **November 16, SDT 706 Meeting in Orlando, Monday, 5:00 p.m.- through dinner- SDT 706 Response Document to Industry Comments**
4. **November 17**, Tuesday, SDT 706 Meeting, Orlando, Complete and Adopt Industry Response Document.
5. **November 18**, Wednesday, Post Response Document and Ballot
6. **November 27**, Friday *(after Thanksgiving)* Deadline for Votes and Comments
7. **November 30, Monday, SDT 706 - Conference Call- finalize Industry Response document.**
8. **December 1- 10,** Recirculation Ballot.
9. **December 11,** BoT Approval
10. **December 29, 2009,** FERC Filing

CIP 002-4 Key Steps/Schedule (October-December 2009)
1. **November 1:** Jackie Collett, Phil Huff, John Lim and John Varnell, the chairs of the 4 CIP 002 Subgroups will form the CIP 002 Strawman Drafting Group (SDG).
2. **November 1:** All CIP 002 "meta groups" and subgroups will forward to the Strawman Drafting Group their standards text drafts including any guidance language**.**
3. Joe Doetzl will coordinate the work of the Controls Drafting Group (CDG) members: Jim Brenton, Keith Stouffer, Bill Winters, Jon Stanford. They will produce several recommended sample controls to illustrate high/medium/low concepts in CIP 002 as well as recommendations on whether the SDT should request guidance from the Standards Committee on referencing a 'catalogue of security requirements', for circulation to the SDT **by Friday, November 13, 2009**.
4. The SDG will prepare a strawman draft by **November 13, 2009** for review by the SDT in advance of November 16-19, 2009 SDT meeting.
5. The SDT will utilize the strawman draft to organize its **November 16-19 meeting** and determine at the conclusion of the meeting if the SDT will continue to aim for the December adoption of CIP 002 draft on **December 16** for posting for industry comment.
6. The SDG and the CDG will present their 2nd drafts at a SDT conference call the **first week in December**.
7. The SDT will refine and circulate a strawman Draft #3 prior to the **December 15-16** SDT 706 meeting in Little Rock.
8. **December 15-16** will refine, finalize and adopt the CIP 002 posting for the industry.

- December 28, 2009 SDT Conference Call on CIP 002-4
- December 30, 2009 SDT Leadership Call- Security Controls Survey Draft
- January 6, 2010, SDT Conference Call- Review Security Controls Draft Principles and Schedule and Appoint Drafting Team to bring strawman to January SDT Meeting in Tucker.

CSO SDT 706 2010 MEETING SCHEDULE

18. January 19–22 — Tuesday-- Friday, Tucker, GA (GTC)	24. July 13–16, Tuesday-–Friday, Pittsburgh, PA (CERT)
19. February 16-19 Tuesday–Friday, Austin TX (ERCOT)	25. August 10--13, Tuesday—Friday, TBD
20. March 9–12 — Tuesday–Friday, Phoenix, AZ (APS)	26. September 7–10, Tuesday—Friday, Winnipeg, Canada
21. April 13–16 — Tuesday-Friday, Atlanta GA (SouthernCo)	27. Oct. 12–15, Tuesday-Friday, TBD
22. May 11-14 — Tuesday-Friday, Dallas TX (Luminant)	28. November 16–19, Tuesday-Friday, TBD
23. June 8–11 — Tuesday-Friday, Sacramento CA (SMUD)	29. December 14–17, Tuesday-Friday, TBD