

Meeting Agenda

Cyber Security Order 706 SDT — Project 2008-06

Monday, July 13, 2009 | 8 a.m.–5 p.m. PDT

Tuesday, July 14, 2009 | 8 a.m.–5 p.m. PDT

Vancouver, B.C. Canada

Proposed Meeting Objectives and Outcomes

- Receive update on TFE and VSL/VRF processes;
- Review, refine, and adopt the CIP Version 3 Working Paper as a conceptual framework going forward;
- Test SDT consensus on the NERC Request for Response for Interpretation CIP 006-1;
- Agree on SDT 002 Drafting Subgroups organization;
- Convene SDT 002 Drafting Subgroups organizational sessions and report back to SDT; and
- Agree on next steps and assignments.

Monday July 13, 2009

- 1. Welcome and Opening Remarks — Jeri Domingo-Brewer and Kevin Perry**
 - Roll Call; NERC Antitrust Compliance Guidelines
 - Facilitator review of May 13–14 Boulder City, NV meeting summary and adoption; and
 - Facilitator review of June 17–18 Portland, OR meeting summary and adoption
- 2. Review of Meeting Objectives, Agenda, and Meeting Guidelines — Jeri Domingo Brewer, and Bob Jones**
- 3. Update on Technical Feasibility Exception NERC Rules of Procedure — Scott Mix**
- 4. Update on VSLs and VRFs — David Taylor**
- 5. Update on Other Related Cyber Security Initiatives — SDT Members**
- 6. Overview of Steps to Date in the CIP Version 3 (Phase 2) Development Process — Stu Langton**
- 7. CIP Version 3 Categorizing Cyber Systems Working Paper — Presentation — John Lim, Phil Huff et al**
- 8. Key Outstanding Issues — John Lim, Phil Huff et al**
- 9. Proposed CIP-002 Subgroup Process-Members Complete Preference Forms**
- 10. Working Lunch — Convene SAR Interpretation Team to Review possible Responses to NERC on Interpretation of CIP 006-1**

11. **Review SAR Interpretation Team Proposed Response to NERC Request for Interpretation of CIP-006-1**
12. **CIP Version 3 Working Paper — Resolve Any Key Issues — John Lim, Phil Huff et al**
13. **Test Consensus and Seek Adoption of the Working Paper for Industry Review**
14. **Review SDT Communication Plan — MRC Meeting, Posting Paper for Comment (14 days), SDT Webinar, Comment Period (30 days)**
15. **Review CIP-002 Work Plan Proposal and Proposed Subgroups and Membership**
16. **Adjourn**

Tuesday July 14, 2009

1. **Welcome and Agenda Review — Jeri Domingo-Brewer**
2. **Summary of Day One Outcomes — Bob Jones**
3. **Subgroup Protocols — Herding Cats 101 — Stu Langton**
4. **Organizational Sessions of the CIP-002 Subgroups — Small Group Breakouts**
5. **CIP-002 Drafting Group Reports and SDT Input — Plenary Session**
6. **Next Steps and CIP Version 3 Process and Work Plan — Review Proposed 2010 Meeting Schedule**
7. **Review Charlotte August Meeting Objectives**
8. **Meeting Evaluation**
9. **Adjourn**

Phase 2 SDT Points of Consensus — April 16, 2009

- A. The Standards should require a BES impact assessment as an initial approach to categorizing BES Cyber Systems.
- B. The impact categorization of Cyber Systems will be based on reliability functions of the BES to achieve Adequate Levels of Reliability.
- C. The Standard's BES Impact Assessment will consider a categorization process.
- D. The Standards will require oversight of the categorized list of BES assets by entity types which have a more complete wide-area view of the BES.
- E. The Standards will categorize Cyber Systems supporting, either directly or indirectly, the reliability functions of the BES and apply security requirements (or controls) that are commensurate and appropriate to their potential impact on the BES.
- F. The final Cyber System categorization will reflect the impact to the BES based on a loss of availability, integrity, or confidentiality of the Cyber System.
- G. The Standards will provide Organizations with reasonable flexibility in applying equivalent security controls on the basis of compensating controls and environmental considerations.
- H. The Standards will address the complex nature of BES functions and interconnected Cyber Systems, both within and between multiple organizations.
- I. The Standards will state explicit criteria for the BES Impact Assessment.
- J. The Standards will state explicit criteria for the Cyber Impact Assessment (including use and misuse of cyber systems).
- K. The Standards will include a methodology to merge the BES Impact Assessment and Cyber Impact Assessment into a final Cyber System categorization.

Project 2008-06 Cyber Security Order 706 SDT

Work plan Proposal, July 2009

A. CIP-002 Work Plan Objectives

1. Establish the overall schedule and milestones for developing the new CIP reliability standards on cyber security
2. Involve all members of the SDT in at least one of five proposed subgroups to develop draft requirements for consideration by the SDT to be included in a draft CIP-002 Version 3.
3. Present the SDT Working Paper (Categorization of Cyber Systems) to the NERC Member Representative Committee at its August 2009 meeting.
4. Host a webinar, and receive and consider industry comments on the Working Paper in August-September 2009 as the SDT drafts CIP-002 Version 3.
5. Through SDT Subgroups and the full SDT, produce an initial draft of CIP-002 requirements and measures by December 2009 that are consistent with the Working Paper concepts and consensus points.
6. Seek and respond to industry comment and post the new CIP-002 for balloting in 2010.
7. Begin initial drafting of the standards that will replace the current versions of CIP-003 through CIP-009 in parallel with the CIP-002 posting and balloting.
8. Prepare and issue the replacements for CIP-003 through CIP-009 for posting and balloting in 2010–2011.

B. Proposed CIP-002 Subgroups

Building on the Working Paper, the following topical subgroups are proposed to develop an initial set of CIP-002 requirements:

1. Reliability Functions
2. List of BES Subsystems and/or BES Cyber Systems
3. BES Mapping
4. Cyber Analysis
5. Definition and Selection of Controls (sample control or set of controls from the controls catalogue as a “proof of concept”)

C. Proposed Steps for Forming CIP-002 Subgroups — Vancouver

1. On day one, ask each SDT member to rank in order of preference their interest in participating in each of the 5 subgroups. In light of preferences, propose composition for the 5 working groups with 3-6 members in each.
2. On day two, convene the 5 groups in parallel and ask members to: 1) review scope of topic and identify areas that may need development of related CIP-002 requirements; 2) determine what information they will need going forward; 3) select a leader/spokesperson, a scribe and a timekeeper; 4) sketch out a work plan, including meetings, to get the work done by the October SDT meeting. Subgroups will report back their plans on Day 2 of the Vancouver Meeting to the SDT.

3. Where possible, provide staff /facilitator support for the subgroups.
4. Follow up with SDT members not attending the Vancouver meeting for team placement.

D. Roles and Responsibilities

1. **CSO706 SDT Members.** Review, build consensus, and adopt a draft CIP-002 by December 2009. Members will also begin parallel development efforts in 2010 to draft the new standards that will eventually replace the current CIP-003 through CIP-009 standards once the requirements and measures for the new CIP-002 standard have been defined and vetted.
2. **CIP-002 Subgroup Members.** Subgroup members will be responsible for producing a draft set of requirements related to their topic prior to the October 20-22 SDT meeting. Subgroup members will be responsible for selecting a leader/spokesperson, a scribe and a timekeeper.
3. **CIP-002 Subgroup Leaders.** The Leader will be responsible for leading and facilitating the subgroup's effort in creating and implementing a plan (deliverables, timeline, assignments, review and consideration of industry comments) in consultation with members and with help, as needed, by staff and facilitators.
4. **CIP-002 Coordinating Team.** The SDT Chair and Vice Chair along with the Subgroup Leaders and facilitators will participate on a Coordinating Team that will meet by conference call in advance of each monthly SDT meeting through October 2009 to address any duplication of tasks, identify needs for coordination among the subgroups and vetting of the approaches being considered by each of the subgroups to help smooth the way for preparation of a complete draft of CIP-002 to be reviewed, refined, and adopted in November and December 2009.
5. **Staff and Facilitation Support.** Where/when needed and/or requested, facilitation or other staff support will be provided to the subgroups.

Cyber Security Order 706 SDT Meeting Schedule October 2008 — December, 2010

Development of CIP Framework October 2008 — July, 2009

- 1. October 6–7, 2008 — NIST, Gaithersburg, MD**, Review of CIP 002-009, Agreement on Phase 1 Version 2 approach
- 2. October 20–21, 2008 — Sacramento, CA**, Phase 1 Version 2 Development
- 3. November 12–14, 2008 — Little Rock**, Phase 1 Version 2 Adoption; Phase 2 Version 3 Process review
- 4. December 4–5, 2008 — Washington D.C.**, Phase 2 Version 3 review and debate, white papers assigned
- 5. January 7–9 — Phoenix, AZ**

- Review of Technical Feasibility Exceptions white paper
- Review of Industry Comments on Phase 1 products- Establish and convene small groups to draft responses
- Review of Phase 2 White papers

January 15 Webex meeting

- Small group draft responses to industry

January 21 WebEx meeting

- Small group draft responses to industry

6. February 2–4 — Phoenix, AZ

- Update on NERC Technical Feasibility Exceptions process
- Review of VSL process and SDT role
- Review of Phase 2 White papers, strawman and principles
- Review and Adoption of SDT Responses to Industry Comments on Phase 1 and Phase 1 Product Revisions

7. February 18–19 — Fairfax, VA

- Update on Phase 1 process
- Update on NERC TFE process
- Update on VSL Team process
- Review, discussion and refinement of Phase 2 CIP-002 White papers, strawman and principles

8. March 10–11 — Orlando, FL

- Update on NERC TFE process
- Update on VSL Team process
- Review and Refinement of Phase 2 CIP 002 Strawman Proposals

March 2–April 1 30-day Pre Ballot

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

March 30 — WebEx meeting White Paper Drafting Team

April 1–10 — NERC Balloting on Phase 1 Product

April 6 — WebEx meeting — White Paper Drafting Team

April 8 — Webex meeting — White Paper Preview- Full SDT Conference Call

April 11 — Phase 1 Ballot Results (Quorum: 91.90% Approval: 84.06%) and Industry Comments-

9. April 14–16 — Charlotte, NC

- Update on NERC TFE process

- Update on VSL Team process
- Update on the NERC Critical Assets Survey
- Agree and Adopt Responses for Phase 1 Industry Comments- Recirculation Ballot
- Review and Refinement of Phase 2 Whitepaper and Progress Report to MRC

April 28 and May 6 — White Paper Drafting Team Meetings and Webex

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

May 5 — NERC Member Representative Committee Meeting, Arlington, VA — SDT progress report

10. May 13–14 — Boulder City NV

- Review MRC presentation and any input to SDT on Phase 2 approach
- Further SDT refinement and discussion of the Phase 2 White Paper

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

11. June 17–18 — Portland OR

- Further SDT refinement of the Draft CIP Version 3 Working Paper(s).
- Review SDT development process for June-December 2009
- Discuss potential SDT subcommittee structure and deliverables.

June, WebEx meeting(s)

- Working Paper Sessions including inputs from selected industry personnel to help establish BES Categorization Criteria

CIP 002 Development of Requirements, Measures, Etc. July-Dec 2009

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

- SDT Plenary session to review, refine, and adopt Working Paper
- Adopt Responses to NERC for Interpretation of CIP-006-1
- Review and Adopt Proposal for CIP-002 Subgroups and Deliverables
- Convene subgroup organizational meetings to develop work plans
- Adopt 2010 Meeting Schedule

July-August Interim WebEx meeting(s)

- CIP 002 Subgroup meetings (as needed)
- CIP 002 Coordination Team meeting (as needed)

August 3–5, 2009 — 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 — Charlotte NC

- SDT Plenary session to review and respond to MRC comments on Working Paper and CIP-002 Concepts
- SDT Subgroup and Plenary meetings to develop CIP-002 requirements and “proof of concept” control(s)

August-September — 45-day Industry Comment Period on CIP-002 Working Paper
NERC Webinar

August-September Interim WebEx meeting(s)

- CIP 002 Subgroup meetings (as needed)
- CIP 002 Coordination Team meeting

14. September 9–10, 2009 — Folsom, CA

- SDT Plenary session to review and respond to any additional industry comments on Working Paper and CIP-002 Concepts
- SDT Subgroup drafting meetings — consider industry comments, draft requirements and “proof of concept” control(s)
- SDT Plenary Session(s) — Subgroup reports on requirements
- Review of CIP-002 standard, requirements, and measures outline
- Address coordinating issues
- Establish meeting dates and proposed locations for January-December 2010

September-October Interim WebEx meeting(s)

- CIP-002 Subgroup meetings (as needed)
- CIP-002 Coordination Team meeting

15. October 20–22 — New Orleans LA

- SDT Subgroup drafting meetings — day one
- SDT Plenary Session(s) — Day Two Subgroup reports on CIP-002 requirements
- Review and refine initial draft of CIP 002 single text

October-November Interim WebEx meeting(s)

- CIP-002 Coordination Team meeting

16. November 17–18 — Tampa, FL

- SDT Plenary Session(s) — to review and refine CIP-002 single text — standard, requirements, measures and controls.

November-December Interim WebEx meeting(s)

- Drafting teams as needed to finalize drafts
- CIP 002 Coordination Team meeting

17. December 15-17, Atlanta, GA

- SDT Plenary Session(s) to review, refine, and adopt CIP-002 standard, requirements, measures, and controls.
- Agree on initial posting of draft CIP-002 for industry review and comment

Refinement of CIP-002 and Development of Other CIP Standards — January-December 2010

SDT Meetings 18-30. 2010 (12 SDT monthly meetings and subgroup WebEx meetings as needed)

- SDT Responds to Industry Comments on Initial and Subsequent Postings of CIP-002, Version 3 (may be multiple comment periods, as required)
- Refine the CIP-002 through the comment period and submit new CIP-002 Version 3 Standard for Balloting along with the catalogue of controls (i.e. CIP-003-009 or its successor) **OR**
- Ballot CIP-002 while permitting industry to rely on CIP-003-009 until the full suite of controls (i.e. CIP-003-009 or its successor) is reviewed and presented for balloting.
- Submit the full suite of CIP Reliability Standards on Cyber Security for Industry Comment
- Refine and Submit the full suite of CIP Standards for Industry Ballot
- NERC Board of Trustees Adoption of the full suite of Standards
- FERC Approves and NERC Implements the full suite of CIP Standards

Proposed 2010 Meeting Schedule

January 20–21	July 14–15
February 17–18 or February 16–18	August 11–12
March 10–11 or March 9–11	September 8–9
April 14–15 or April 13–15	October 13–14 or October 12–14
May 12–13	November 17–18
June 9–10 or June 9–11,	December 15–16