

Critical Infrastructure Protection Committee Draft Minutes

Westin Buckhead Atlanta Hotel
December 14-15, 2011
Atlanta, GA

Critical Infrastructure Protection Committee (CIPC) Chair Barry Lawson called to order a duly noticed, regular meeting of the Critical Infrastructure Protection Committee on December 14, 2011 at 1:23 PM, local time, and a quorum was declared present. The meeting announcement, agenda, and list of attendees are attached as **Exhibits A, B, and C**, respectively.

Chair Mr. Barry Lawson, National Rural Electric Cooperative Association (NRECA), presided.

Secretary Mr. Scott Mix, NERC CIP Technical Manager, announced a quorum of 23 members including the following proxies:

1. Mr. Bill Muston for Mr. Scott Rosenberger
2. Mr. Larry Saxton for Mr. John Breckenridge
3. Mr. Stephen Diebold for Mr. Robert McClanahan
4. Mr. Frances Bradley for Mr. Chris McColm
5. Mr. Richard Field for Mr. Robert Richhart

NERC Antitrust Compliance Guidelines

Mr. Mix called attention to the NERC Antitrust Compliance Guidelines distributed with the agenda and read the statement concerning publicly announced meetings.

Introductions of Members, Alternates, Associates, and Others

Mr. Mix called for introductions of members of the CIPC and other attendees, and requested all present sign in on the sign-in sheet being passed around.

Review of Agenda

Chair Lawson presented the agenda for review and indicated that due to timing issues and scheduling constraints, the agenda order would be modified as necessary during the meeting. Additionally, Mr. Gerry Cauley, NERC President and CEO, addressed the CIPC immediately before the Chair's report.

Note: Slides presentations from this meeting are available at: <http://www.nerc.com/filez/cipmin.html>.

Approval of Minutes

Mr. Mix presented the draft minutes of the September 2011 meeting. No changes or corrections were offered in the meeting. Upon **motion** by Mr. Carl Eng, seconded, by Mr. Steven Diebold, the minutes of the September 2011 meeting were approved.

Address from NERC President and CEO

Mr. Gerry Cauley, NERC President and CEO addressed the CIPC, and discussed his vision on the role of the Committees, and in particular how the CIPC supports the mission of NERC. He addressed the four pillars of the NERC ERO organization (Reliability, Accountability, Learning Organization, and Risk-based Focus), and indicated that “security” is the same as “reliability”. As with an operational focus, he noted that managing risks, looking for precursor events, and responding to precursor events to prevent cascading outages are all topics of a resilient security program. He pointed to the recent GridSecCon conference in New Orleans, and the GridEx national exercise as examples of NERC being a learning organization, and noted that accountability is more than just compliance and standards. He closed by noting that the NERC Board of Trustees is looking forward to receiving the CIPC Strategic Plan, and is looking for a well thought out set of priorities that will elevate the security posture for the entire electricity industry.

Chair’s Report

Chair Lawson, provided CIPC with his report (**Presentation 1**), highlighting the issues before CIPC at this meeting, CIPC Executive Committee activities since the last CIPC meeting, items of note from the NERC Board of Trustees meeting, and a brief overview of activities in Washington, DC.

Election of CIPC Executive Committee At-Large Members

Mr. Jeffery Fuller, Dayton Power & Light (DPL), and member of the CIPC Nominating subcommittee, presented an overview of the CIPC election process (**Presentation 2**) and presented the slate of nominations for the CIPC Executive Committee at-large members. The nominated members were:

1. Mr. Marc Child of Great River Energy
2. Mr. Carl Eng of Dominion
3. Mr. David Grubbs of the City of Garland, TX
4. Mr. Ross Johnson of Capital Power (Canada)

Upon **motion** by Mr. David Godfrey, seconded by Mr. Jim Brenton, the nominations slate was closed and the slate was elected unanimously.

On behalf of CIPC, Chair Lawson congratulated Mr. Child, Mr. Eng, Mr. Grubbs and Mr. Johnson on their elections.

Chair Lawson also thanked the Nominating Subcommittee for their work, and disbanded the subcommittee with the thanks of the committee.

NERC Update

Mr. Matt Blizard, NERC Director of Critical Infrastructure Protection, Mr. Tim Roxey, NERC Director - Risk Assessment and Technology Division, Mr. Stuart Brindley of SJBrindley Consulting, and NERC Consultant, Mr. Scott Mix, and Mr. Brian Harrell, Manager of CIP Security Standards, Training and Awareness Division, provided an update on recent and ongoing NERC activities (**Presentations 3**).

Geomagnetic Disturbance Task Force Update

Mr. Don Watkins, Bonneville Power Administration (BPA) and Chair of the Geomagnetic Disturbance Task Force (GMDTF) presented an overview of the guideline that is out for comment (**Presentation 4**), posed a number of questions for consideration (included in the presentation), and requested that CIPC members provide comments to the Task Force Report by January 6, 2012.

Classified Briefing Review

Chair Lawson lead the CIPC in a high-level discussion of the DHS classified briefing held on Wednesday morning. Several members noted that the briefings had been steadily improving for the past several years, but requested that less time be devoted to physical attacks in foreign nations. Of particular interest was the ICS-CERT briefing on cybersecurity issues. Also requested was an improved emphasis on threats against the electricity sector, as well as domestic threats. Also requested was a forward-looking threat forecast.

Risk Management Program (RMP) Update

Mr. Matt Light, Department of Energy (DOE), provided an update on the status of the Risk Management Program (RMP) report. Approximately 100 comments from 30 commentors were received. The team held one face-to-face meeting to resolve comments received from the October posting. The team is developing a revised document, to include a case study, expects to have another 30-day comment period in the February / March timeframe, and will publish the final report sometime in the spring.

At 4:59 PM, the CIPC adjourned for the day.

At 8:08 AM on December 15, the CIPC resumed.

Cyber Attack Task Force Report

Mr. Mark Engels, Dominion, and chair of the Cyber Attack Task Force, provided an overview of the task force activities (**Presentation 5**). He noted that the response from the initial comment period was less than expected, and the Task Force will be incorporating the comments received, and re-issuing the document for another round of comments in January. Following that, the final Task Force report will be

ready for approval by CIPC at the March meeting, and be presented to the Electricity Sub-Sector Coordinating Council (ESCC) and to the Board of Trustees for their approval in May.

Severe Impact Resiliency Task Force

Chair Lawson noted that the Severe Impact Resiliency Task Force Report has been issued for comment, with comments due back on January 4, 2012. Additional details on the work of the Task Force were presented at the joint OC/PC/CIPC web meeting on December 6, presentations are available at http://www.nerc.com/docs/oc_pc_cipc_joint/6_Dec_2011_Joint_Meeting_Presentations.zip.

Spare Equipment Database Task Force

Chair Lawson reminded the CIPC that the NERC report indicated that the work of the Spare Equipment Database Task Force was moving into its implementation phase of building the database.

CIPC Working Group and Task Force Reports Control System Security Working Group

Mr. Engels also provided an update on the activities of the Control Systems Security Working Group (CSSWG) (**Presentation 6**). He noted that due to the work of the CATF, no further progress had been made on the activities of the working group. He expects that once the CATF report is issued, the work of the CSSWG will resume.

Substation Security Guideline Task Force Report

Mr. Scott Mix provided an overview of recent task force activities (**Presentation 7**). He noted that the comment resolution process had been started, and may be complete as early as next week. He anticipates the document will be ready for approval by CIPC to go out for broad industry comment in January. A CIPC member asked if there was any chance that this guideline was going to be turned into a standard at some later date. Mr. Johnson, a member of the Task Force, replied that there was no intention that this would ever happen, and that the guideline was being developed purely as an aid to NERC members.

Protecting Sensitive Information Guideline Task Force Report

Mr. Nathan Mitchell, American Public Power Association (APPA), and chair of the Protecting Sensitive Information Guideline Task Force provided an overview of the recent task force activities. He indicated that the comment resolution work was yet to be started, but anticipated that it would be complete in January, and that a document would be ready for CIPC to approve for broad industry comment in that timeframe.

Following the Protecting Sensitive Information Guideline Task Force, Chair Lawson entertained a motion to provide for approving the Physical Security Guideline and the Protecting Sensitive Information Guideline before the next scheduled CIPC meeting in March. The guidelines are expected to be ready for CIPC approval to solicit comments from a broad industry review sometime in January. When the documents are ready for approval, the CIPC Secretary will send the documents to the CIPC membership,

along with instructions to cast a vote to send them out for further review following a 14-day review for voting purposes. Upon **motion** by Mr. Steven Diebold, seconded by Mr. Jim Brenton, the motion to proceed in this fashion was approved.

Business Continuity Guideline Task Force

Chair Lawson noted that the work of the Task Force had been completed following the September meeting, and that the Task Force was being disbanded.

National Threat Advisory System (NTAS) Updates to Existing CIPC Guidelines

Chair Lawson informed CIPC that updating the CIPC Guidelines concerning the Homeland Security Advisory System (HSAS), the 5-level color coded system, were being addressed as part of the CIPC Strategic Plan being developed by the CIPC-Executive Committee.

Adequate Level of Reliability (ALR) Task Force Report

Mr. Kent Kujala, DTE Energy, and CIPC representative to the ALR Task Force provided an overview of the activities of the task force (**Presentation 8**). Note that this presentation was also given at the joint OC/PC/CIPC webinar on December 6, 2011.

Bulk Electric System Definition SDT Update

Chair Lawson provided an overview of the work of the Bulk Electric System (BES) Definition Standard Drafting Team. The current definition has been approved by industry, and is anticipated to be approved by the NERC Board of Trustees on January 18, 2012, and filed with FERC on January 25, 2012. Following that, the standard drafting team will move on to work on Phase II of the BES Definition project.

CIP Metrics Presentation

Mr. Mark Lauby, Vice President and Director of NERC's Reliability Assessment and Performance Analysis division, provided an overview of Critical Infrastructure Protection Metrics (**Presentation 9**). Mr. Lauby agreed to further develop the concept, and meet with the CIPC-Executive Committee at their next meeting in January to incorporate the concept into the CIPC Strategic Plan.

DC Activities Update

Mr. David Batz, EEI Manager, Cyber & Infrastructure Security, provided an overview of recent activities in Washington, DC (**Presentation 10**).

Round-Table Discussion

Chair Lawson lead a round-table discussion of the work done so far in the development of the CIPC Strategic Plan, indicating the topic areas that are under discussion by the CIPC-Executive Committee, and then asked the CIPC membership for additional ideas. Comments and ideas suggested include: thinking whether CIPC should play a significant role in the Roadmap to Secure Energy Control Systems; updating the NERC Website; future guideline development; and dealing with interdependencies with other critical infrastructures. The CIPC was also encouraged to provide additional comments and issues to Mr. Bob Canada either before or after the January 18-19, 2012 CIPC-Executive Committee meeting. Chair Lawson stated that if the draft CIPC Strategic Plan was far enough along prior to the January CIPC-Executive Committee meeting, it would be sent out to CIPC. Otherwise, a draft would be sent out to CIPC shortly after the January CIPC-Executive Committee meeting.

Anti-Terrorism presentation

Mr. Ross Johnson, Capital Power, provided an abbreviated version of his Anti-Terrorism presentation, the complete copy of which is provided with these minutes (**Presentation 11**).

NESCOR update

Ms. Annabelle Lee, EPRI and NESCOR provided an overview of the NESCOR activities performed in 2011, and planned for 2012 (**Presentation 12**).

North American Transmission Forum update

Mr. Chuck Abell, as a member of the North American Transmission Forum's Security Practices Group Core Team, provided an overview of the CIP related activities of the Forum on behalf of Mr. Karl Perman who was unable to attend (**Presentation 13**).

Agency Reports

Department of Homeland Security (DHS)

Mr. Nick Weber, Energy Sector Specialist, DHS Office of Infrastructure Protection, gave a brief overview of the activities happening within DHS. He supports the proposal of a working group to assist DHS in determining how industry clearances should be allocated. Mr. Canada provided a presentation on the use of clearances outside of the annual classified briefing (**Presentation 14**). He also highlighted the Protective Security Advisor (PSA) program, and indicated that the DHS HITRAC organization is interested in hearing from industry on topics they would like to see analytical products at the unclassified FOUO level be developed.

DOE

Mr. Matt Light reminded the CIPC of the progress of the RMP guideline, and informed CIPC that DOE is looking at a Smart Grid Cybersecurity Specialists certification, looking at both skills and competencies. Ms. Rhonda Dunfee, also from DOE, is heading that project.

Federal Energy Regulatory Commission (FERC)

Mr. David Norton, FERC, indicated that FERC is working on the CIP Version 4 final rule, is beginning to look at the CIP Version 5 standards, beefing up its staff to address security issues, monitoring SmartGrid activities, and has started tracking the activities of the North American Synchrophasor Initiative (NASPI).

Recap and Closing

Mr. Mix recapped the action items from the meeting, as well as other action items anticipated for the following months:

- Guideline approvals for broad industry comment period
- Plea for comments to the following NERC Guidelines and Reports:
 - Geomagnetic Disturbance Task Force Report
 - Severe impact Resiliency Task Force Report
 - Cyber Attack Task Force Report
- Reminder to provide comments to the CIP Version 5 initial posting and ballot
- Provide comments on the CIPC Strategic Plan document when released in January

Chair Lawson thanked the CIPC for the opportunity of serving as its chair for the past 4 years, and also thanked Mr. Mix for his work as CIPC facilitator for the past several years.

Mr. Canada reminded the CIPC membership that there will be a training opportunity during Wednesday morning of the March CIPC meeting. Additional information will be forthcoming

Mr. Mix also noted the following CIPC Meetings in 2012:

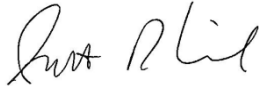
- March 7-8: Phoenix, AZ
- June 20-21: Toronto, ON, Canada
- September 19-20: St. Louis, MO
- December 12-13: Atlanta, GA

Specific locations and dates for other future meetings will be announced to CIPC as soon as they are arranged.

Adjourn

There being no further business, and upon **motion** by Mr. Ross Johnson, seconded by Mr. Frances Bradley, CIPC was adjourned at 12:08 PM on December 15, 2011.

Submitted by,



Scott Mix
Secretary

Tina McClellan

From: Tina McClellan
Sent: Sunday, December 04, 2011 10:57 PM
To: Tina McClellan
Subject: NERC AGENDA: Critical Infrastructure Protection Committee -- December 14-15, 2011
Importance: High



Agenda Critical Infrastructure Protection Committee

December 14-15, 2011
Westin Buckhead Atlanta
3391 Peachtree Road NE
Atlanta, GA 30326
404-365-0065

[Critical Infrastructure Protection Committee Agenda](#)

[Meeting Registration](#)

[Meeting Details](#)

For more information or assistance, please contact Scott Mix at scott.mix@nerc.net.

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RELIABILITY | ACCOUNTABILITY

Agenda

Critical infrastructure Protection Committee

DHS Sponsored Classified Briefing
December 14, 2011 | 8:00 a.m.-Noon EST
Off-Site

December 14, 2011 | 1:00 p.m. EST to
December 15, 2011 | 12:00 p.m.
Westin Buckhead Atlanta
3391 Peachtree Road NE
Atlanta, GA 30326
404-365-0065

Welcome and Introductions – Chair Barry Lawson

**NERC Antitrust Compliance Guidelines and Public Announcement* – Secretary
Scott Mix**

Arrangements – Scott Mix

Parliamentary Procedures – Scott Mix

Announcement of Quorum and Proxies – Scott Mix

Agenda

1. **Agenda Review – Barry Lawson (Discussion)**
2. **Minutes from September 14, 2011 Meeting* – Scott Mix (Approve)**
3. **CIPC Chair Report – Barry Lawson (Discussion)**
4. **Elections of CIPC Executive Committee Members-at-Large – Jeff Fuller (Vote)**
5. **NERC / ES-ISAC Update* – Matt Blizard & NERC Staff (Discussion)**
 - a. NERC CID Director Update
 - b. Electricity Sub-Sector Coordinating Council and PCIS Update
 - c. ISAC Update
 - d. Alerts Update

*Background materials included.

- e. Cyber Security Standards Update
 - a. “Version 4” NOPR
 - b. CSO706 – “Version 5”
 - c. Interpretation Team
 - d. EOP-004
 - f. Grid Security Conference (GridSecCon)
 - g. Grid Exercise (GridEx)
6. **Classified Briefing Review — Barry Lawson (Discussion)**
- a. Other Uses of DHS-sponsored Clearances
7. **NERC Metrics for CIP — Jessica Bian (Discussion)**
8. **DOE / NERC / NIST Risk Management Framework — Brian Harrell (Discussion)**
9. **Coordinated Action Plan — Stuart Brindley (Discussion)**
- a. Cyber Attack Task Force* — Mark Engels (Approve)
 - b. Severe Impact Resiliency Task Force — Tom Bowe (Discussion)
 - c. Geomagnetic Disturbance Task Force — Don Watkins (Discussion)
 - d. Spare Equipment Database Task Force - Follow on actions (Discussion)
10. **CIPC Working Group / Task Force Updates**
- a. Control Systems Security Working Group — Mark Engels (Discussion)
 - b. Substation Guidelines Task Force* — John Breckenridge (Approve for broad industry comment)
 - c. Protecting Sensitive Information Task Force* — Nathan Mitchell (Approve for broad industry comment)
 - d. Business Continuity Task Force — Barry Lawson (Discussion and retire TF)
 - e. National threat Advisory System Task Force — Barry Lawson (Discussion)
11. **Adequate Level of Reliability Task Force — Kent Kujala & Bob Matthews (Discussion)**
12. **Bulk Electricity Definition SDT — Barry Lawson (Discussion)**
13. **Washington DC Update — Dave Batz (Discussion)**
- a. FERC Technical Conference on CIP-006

14.Round Table — All (action: Discussion)

- a. CIPC Strategic Plan Discussion

15.Terrorism Update — Ross Johnson (action: Discussion)**16.NESCO / NESCOR Update — Chris Jager & Annabelle Lee (action: Discussion)****17.North American Transmission Forum Update — Karl Perman (action: Discussion)****Agency Reports****18.Department of Homeland Security (action: Discussion)****19.Department of Energy (action: Discussion)****20.Public Safety Canada / Royal Canadian Mounted Police (action: Discussion)****21.Federal Energy Regulatory Commission (action: Discussion)****Closing****22.Follow-up Items and Future Actions — Barry Lawson (action: Discussion)****23.2012 Future Meetings — Scott Mix (action: Discussion)**

- March 7-8, 2012, Phoenix, AZ
- June 20-21, 2012, Toronto, ON, Canada
- September 19-20, 2012, St. Louis, MO
- December 12-13, 2012, Atlanta, GA

**Critical Infrastructure Protection Committee
CIPC Meeting - December 14-15, 2011**

CIPC December 14-15, 2011	
Name	Company
David Scott	Accenture
Jason Marshall	ACES Power
Jerry Freese	AEP
Harry Sandhu	Alert Enterprise
Chuck Abell	Ameren
Nathan Mitchell	American Public Power Association
Michael Johnson	APX Power Markets
Sean Sherman	ASRC/DOE-OE
Robert Ulmer	ATC
Larry Buttress	Bonneville Power
Dave Dalva	Booz Allen Hamilton
Don Watkins	BPA
Scott Smith	Bryan Texan Utilities
Francis Bradley	Canadian Electricity Association
Ross Johnson	Capital Power Corporation
David Grubbs	City of Garland
William Whitney III	City of Garland
Rick Dakin	Coalfire Systems, Inc.
Bao Le	Coalfire Systems, Inc.
Thomas Strickland	CSC
Jeffrey Fuller	Dayton Power & Light (RFC)
Chris Plensdorf	Detroit Edison
Wally Magda	Dell SecureWorks
Dmitriy Borovik	Deloitte & Touche
Matt Barbera	Deloitte & Touche
Kent Kujala	Detroit Edison (RFC)
Stephanie Berg Duffey	DHS/HITRAC
Nick Weber	DHS/NPPD/IP
Matthew Light	DOE
Mark Engels	Dominion
Carl Eng	Dominion Virginia Power
Michael Lynch	DTE Energy
David Batz	EEL

**Critical Infrastructure Protection Committee
CIPC Meeting - December 14-15, 2011**

Molly Crawford	Entergy
Robert Entriken	EPRI
Jim Brenton	ERCOT
Margie Miller	Exelon
Jeff Morgan	FBI
Dave Norton	FERC
Brian Malfant	FRCC
Josh Peresta	GA Transmission Corp.
David Revill	Georgia Transmission Co.
Marc Child	Great River Energy (MRO)
Richard Field	Hoosier Energy (NRECA)
Benoit Tardif	HQ NPCC
Dan Powell	Indianapolis Power & Light Co.
Patrick VanBuskirk	IPL
Rich Powell	JEA
Stephen Diebold	KCPL
Paul Crist	Lincoln Electric System (MRO)
Scott Miller	MEAG Power
Rick Liljegren	Minnesota Power (MRO)
Chris Kulseth	MRO
Peter Nelson	N&ST
Stacy Bresler	National Electric Sector Cybersecurity Org.
Brian Harrell	NERC
Stuart Brindley	NERC
Tim Roxey	NERC
Matt Blizzard	NERC
Scott Mix	NERC
Brandon Ice	NERC
Bob Canada	NERC
Nick Santora	NERC
Ben Miller	NERC
Kelly Ryan	NERC
Laura Brown	NERC
Jenny Gomez	NERC
Alan Hartman	NERC - ESISAC
Roger Fradenburgh	Network & Security Technologies
Ted Heller	NSWCDD
Jay Walker	NIPSCO
Franklin Dessuit	NIPSCO

**Critical Infrastructure Protection Committee
CIPC Meeting - December 14-15, 2011**

Michael Puscas	Northeast Utilities (NPCC)
Felix Kwamena	NRCAN
Barry Lawson	NRECA
Larry Saxon	OG&E
Kellie Elford	Oglethrope Power
Bill Muston	ONCOR
Marshall Bissonnette	Open Systems International
Ben Fink	Open Systems, International
Jerry Murray	Oregon Public Utility Commission
Scott Keffentrager	PJM
Jeremy Morgan	Progress Energy
Jennifer Rosario	Progress Energy
Ed Goff	Progress Energy
Dale Zahn	Proven Compliance Solutions
Mikhail Falkovich	PSEG
Tim O'Neil	RCMP
Larry Bugh	Reliability First
Lew Folkerth	RFC
Sharla Artz	SEL, Inc.
John Johnson	SERC
James McQuiggan	Siemens Energy
Tommy Clark	South Mississippi EPA
Darrell Klimitchek	South Texas Electric Corp.
Jay Cribb	Southern Company
Mike Sanders	Southern Company
Don Roberts	Southern Company
Bonnie Parker	Southern Company
Debbie Ogue	Southern Company
Kevin B. Perry	SPP RE
Terri Khalil	Tampa Electric
Paul McClay	Tampa Electric Company (FRCC)
David Godfrey	Texas Municipal Power Agency
Cynthia Hill-Watson	TVA
Edmond Rogers	University of Illinois
John Fridye	Ventyx - ABB
Brent Castagnetto	WECC
Eric Ervin	Westar Energy
Eun Moredock	Western Area Power Administration