



NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, New Jersey 08540-5731

Critical Infrastructure Protection Committee Meeting

Thursday, March 17, 2005

Friday, March 18, 2005

Minutes

A regular meeting of the Critical Infrastructure Protection Committee (CIPC) was held on March 17–18, 2005, in Long Beach, California. The meeting notice, agenda, and attendance list are affixed as **Exhibits A, B, and C**, respectively. Meeting presentations that are publicly available may be found at: <http://www.nerc.com/~filez/cipmin.html>.

Vice Chairman Pat Laird presided. Secretary Lou Leffler announced that a quorum was present and confirmed those attending with written proxies.

Antitrust Guidelines

The secretary summarized the NERC Antitrust Compliance Guidelines, which were included in the meeting agenda.

Introductions

The committee members and guests introduced themselves.

Agenda

The CIPC approved the meeting agenda, under Motion-1 moved by Larry Bugh and passed with no dissenting votes.

Minutes

The CIPC approved the minutes of the November 11–12, 2004 CIPC meeting, under Motion-2 moved by Todd Thompson and passed with no dissenting votes.

Critical Infrastructure Protection Committee Executive Committee

Vice Chairman Pat Laird reported. Vice Chairman Larry Bugh discussed the current status of the Cyber Security Standard CIP-002–009. Refer to presentation, “CIPC Executive Committee Update-1.”

A New Jersey Nonprofit Corporation

Phone 609-452-8060 ■ Fax 609-452-9550 ■ URL www.nerc.com

Electricity Sector Information Sharing Analysis Center

Lou Leffler reported. Refer to presentation, "CIPC Report to PC and OC in Joint Session."

Outreach Working Group

Wally Johnson, working group chairman, reported. CIP working groups are now active in seven of the ten NERC regions. The working group is considering appropriate communications mechanisms to assure awareness to the CIP issues and initiatives. Included will be continuation of workshops, seeking opportunities to present to electricity sector meetings, and development of useful written products.

The working group together with subject matter experts presented three successful workshops with focus on the existing Urgent Action Cyber Security Standard-1200 and the permanent standard that is under development. The presentations at the workshops are available at <http://www.esisac.com/library-CSS-WS.htm>. (CIPC thanked the workshop developers and presenters.) Attendees learned technical details of the standards together with the standards applicability and compliance requirements.

Planning for CIP-002–009 standards workshops may commence in the June 2005 time frame dependent upon standard development progress. Experience has shown that it takes several months to develop materials and presentations for useful workshops. The potential audience will likely be broader and larger for the permanent standard. Workshop development will include the audience, timing, duration, and locations.

The Edison Electric Institute is developing an Internet-enabled cyber education program.

Discussion ensued regarding the compliance requirements related to standards and the fact that security guidelines are prepared for individual electricity sector entities to consider for applicability and usefulness. Pat Laird referred to draft language (subsequently altered) in proposed State of Illinois legislation that would require adherence to NERC security guidelines. (While not developed at this meeting, the following verbiage has been proposed to the NERC Technical Steering Committee to guide on the use of NERC documents: "This Guideline addresses potential risks that can apply to some Electricity Sector Organizations and provides practices that can help mitigate the risks. Each organization decides the risk it can accept and the practices it deems appropriate to manage its risk.")

Indications, Analysis, Warnings Working Group

Larry Bugh, working group chairman, reported on the recent meeting. The work plan and roster were reviewed. Larry will send the updated plan to the CIPC Executive Committee. The Indications, Analysis, Warnings Standard Operating Procedure will be thoroughly updated. The analysis capability of the Electricity Sector Information Sharing and Analysis Center (ESISAC) will be reviewed with guidance regarding analytical requirements, improvements, and resources. Analysis will include more definitiveness regarding the ESISAC user base (e.g., electricity sector entities, government agencies, other ISACs). Teams of the working group will deal with these matters, including an impact analysis on operations, for continued discussion at the next working group meeting to be held June 8, 2005 in Washington, D.C.

Standards and Guidelines Working Group

Seiki Harada, working group chairman, reported on the recent meeting. The draft work plan was confirmed with modifications. A new shell for security guidelines is under development and is expected

to be presented at the June 2005 CIPC meeting. Discussion on the draft FERC Order – 2003-A was held. This order states, “Applicable Reliability Standards shall mean the requirements and guidelines of NERC...”. One interpretation of the draft order provides for cost recovery for security implementations. The working group will also review security guideline “boilerplate” to provide for electricity sector entities to implement security guidelines based on their own judgment.

Reporting Technologies Working Group

Allen Klassen, Julie Silberger, and Mike Ferrara reported on the Homeland Security Information Network – Electricity Sector (HSIN-ES) project and the recent exercises of the HSIN-ES. Refer to presentation, “Reporting Technologies Working Group Update.” The HSIN-ES portal for the electricity sector contains event postings, document sharing, discussion threads, and capability for instant messaging. Further development proceeds. This tool looks very promising, however, a completion timeline is not yet available. HSIN-ES includes the current Critical Infrastructure Protection Information System with significant additional capability. For example, a security question can be posed with ease of response included. The tool provides the capability for communications within the electricity sector, between critical infrastructure sectors, with the Department of Homeland Security (DHS), the Department of Energy (DOE), the Public Safety Emergency Preparedness Canada (PSEPC), and other agencies as determined to be appropriate. One significant benefit is the intention to provide within HSIN-ES the capability to report incidents **once** with subsequent information dissemination as appropriate. There is a mapping capability. A help desk will be provided.

All three CIPC areas will be included in HSIN-ES: physical security, cyber security, and operations (as related to security and all-hazard matters).

A significant part of the continued development process includes the means to authenticate all HSIN-ES users. Other issues are ownership of data, Freedom of Information Act implications, viewing rights, continued maintenance, and funding. Significant usage training will be required and will be coordinated with the Outreach Working Group.

HSIN-ES was tested with two scenarios — a hurricane (all hazards are treated in HSIN-ES) and a combined physical/cyber attack. All capabilities were tested. These exercises were successful.

The DHS is working with other critical infrastructure sectors in development of HSIN portals. Nearing the pilot stage are Food and Agriculture, Water, Public Transportation, Oil and Gas, Chemical, and Nuclear. Future projects are expected with Postal and Shipping, Dams, Health, State and Local Homeland Security Agencies. Each group will have its own portal (space) and can invite participants.

The developers will draft a HSIN-ES document to cover ownership, statement of intent, concept of operations, and user agreement. The Reporting Technologies Working Group will develop a user manual.

Cyber Security Standard

Larry Bugh, chairman of the Cyber Security Drafting Team, presented. Refer to presentation, “CIPC to PC and OC in Joint Session.” There were 62 sets of comments on draft 2 of the standard. Draft 3 will include better linkage between requirements, measures, and definitions. The implementation plan draft 2 together with draft 3 of the standard will be posted as soon as possible. There will likely be a gap between the Urgent Action Cyber Security Standard-200 and the CIP-002–009 permanent standard. The NERC regions may be requested to include a voluntary continuation of self-compliance with the urgent action standard until such time as the permanent standard has been balloted successfully and adopted by

the NERC Board of Trustees. The drafting team will recommend that the next round of comments on draft 3 of the standard and draft 2 of the implementation plan will be stated as required comments and desired comments. The required comments would be those that may influence a vote, positive or negative. The somewhat optimistic timing is now for final approval by the board at the end of September 2005.

Note that the CIP-001, Sabotage Reporting, has already been approved as an existing “version 0” standard. There is some discussion regarding the possibility of voting on the CIP-002–009 on an individual basis or on a package basis. Due to the interrelationship of the eight standards, it is preferred that the package approach be utilized.

Security Guideline Physical Response to Threat Alert Levels

Lyman Schaffer reported that the subject revised security guideline will be reviewed and ready for consideration by the CIPC at its June 2005 meeting.

Risk Analysis Working Group

Ted Heller reported. The working group held a meeting on March 16, 2005. The working group heard two detailed presentations that may lead to methodologies for the industry to assist in identifying grid vulnerabilities. One approach by the Naval Post Graduate School is titled, “The Vulnerability Electric Grid Analysis (VEGA).” The other approach by I2R is titled, “Vulnerability Analysis Technology for Prioritizing Criticality of Substations.”

The working group’s white paper, “Risk Assessment Methodologies for Use in the Electric Utility Industry,” has been under development for several months and is nearing completion. There was further discussion at the March 16 meeting, and the working group expects to have this paper completed in time for presentation to the CIPC for CIPC approval as a NERC document at its June 2005 meeting.

Vulnerability Assessment Technique

Len Januzik of I2R reported to CIPC on the technique.

International Electric Infrastructure Assurance Forum

John Allen reported on the work of the forum. Refer to the presentation, “International Electric Infrastructure Assurances (IEIA) Forum.” There are seven deliverables that have been determined by the forum that are intended to be completed by the end of 2005. Details on the work of the forum will be sent to the CIPC, and contact for further involvement should be addressed to John Allen (602-625-2044; john.allen@ey.com).

Control Systems Security Working Group

Tom Flowers reported on the Control Systems Working Group’s (CSSWG) activities. Refer to presentation, “Control Systems Security Working Group Status Report.” The working group is attempting to coordinate with the Instrument Society of America (ISA), the American Gas Association (AGA), and the U.S. Naval Academy (USNA) — the ISA on good practices, AGA on its standard AGA 12, and the USNA on biometrics. The working group continues to coordinate with vendors on solutions to assist in securing control systems. The working group reviewed at DOE’s request the work plan and road map for the National SCADA Test Bed that is operated by several national laboratories. The CSSWG work plan was presented to the CIPC Executive Committee for approval.

The working group has been developing for several months a list called “Common Vulnerabilities of Control Systems — 2004. Work continues on two security guidelines: Patch Management for Control

Systems, and Control System – Business Network Electronic Connectivity. Contact has been made with the Telecommunications ISAC on security of telecom particularly regarding controls as development continues for the telecom next generation networks. Work has begun on a security guideline: Encryption.

Jeff Dagle, Pacific Northwest National Laboratory, is coordinating with CSSWG and the Idaho National Laboratory (INL). INL will develop a list of potential solutions to the common vulnerability list.

Tom Flowers is taking a leadership role on the governing board of the DHS Process Control Systems Forum. This group will meet in Dallas during the week of May 17, 2005. Further reports will be made on progress of the forum.

The CSSWG has been asked to complete development of the security guidelines on patch management and electronic connectivity for approval by CIPC to be presented to the NERC board for its approval at the board's May 2005 meeting. It is recognized that completion of these security guidelines that have been under development since the second quarter 2004 is challenging and the completion including CIPC approval is intended to be complete by mid April.

The CSSWG has completed work on the document, "Common Vulnerabilities for Control Systems 2004," for CIPC approval. Motion 3 — moved by Tom Glock, seconded, passed, no descending votes. CIPC approves the document. Discussion centered on the exclusiveness of this list with recognition that other lists of vulnerabilities also exist. There was discussion on the document and some changes were accepted as proposed. Motion 4 — moved by Larry Bugh, seconded, passed (21 yes, 7 no). Accept recommended changes. Motion 5 — moved by Bob Canada, seconded, no descending votes. Move to previous question. Discussion that ensued included questions as to why the vulnerability list was created. This was done by electricity sector subject matter experts to provide guidance to the electricity sector to provide focus for further solutions. Managements are looking for this information. A question was posed regarding action items associated with each vulnerability. The INL is expected to provide some suggested actions. The document serves as an education for electricity sector owners and operators. It was noted that the DOE document, "21 Steps to Improve Cyber Security of SCADA Networks," was considered and was commented on earlier in 2004. CIPC had discussion regarding what level of disclosure this document would have. It was decided that it would be provided to electricity sector organizations through CIPC members and alternates as a level 2 document.

Following presentation of the security guidelines for patch management and electronic connectivity, it was determined that "shall" statements would be removed. A question was raised regarding the need for these security guidelines, given the security standard 1200 and the under-development security standard CIP-002-009. These two new proposed security guidelines provide greater detail and are more "how-to" documents and will help the industry now, even before the permanent cyber security standard is approved. CIPC members, alternates, and associates were requested to provide comments on the security guidelines to the lead authors — patch management (Linda Nappier), and electronic connectivity (Elizabeth Rhodenizer).

Department of Energy

Jim McClone reported on the National Infrastructure Protection Plan (NIPP) and the National Response Plan (NRP). Regarding the NIPP, the interim chapters 1 through 6 were released in February 2005; these are now posted on the ESISAC Internet site. It is expected that the sector-specific part of the NIPP relating to energy (electricity, oil, and gas) will be released soon. Comments on the interim NIPP will be sought in accordance with the Federal Advisory Committee Act (FACA) rules as to the extent FACA

applies to the NIPP (yet to be determined). The NIPP includes the development of a national assets database. More definition on this will be forthcoming in the sector-specific plan. There will be a taxonomy of the database with a description of database fields.

The formation of coordinating councils between the government agencies involved in homeland security and the private sectors is under way. The Electricity Sector Coordinating Council has been recommended to DHS to consist of the president and CEO of NERC together with the CIPC Executive Committee. There will be a corresponding coordinating council for the government related to energy. It is expected that the Energy Coordinating Council will be chaired by a representative from the energy sector-specific agency, DOE.

The NRP released in December 2004 is available and posted on the ESISAC Internet site. The section dealing with electricity is the Emergency Support Function-12 for energy. In essence, the NIPP is for planning of protective measures. The NRP is for incident emergency response. Both plans will require significant electricity sector coordination in development and execution.

A question was raised regarding the national assets database and the security thereof. It is expected that it will be covered by the protected critical infrastructure information (PCII) program. Input for coverage by PCII is now limited to paper transmittals; in the future, electronic submittals will be accepted.

A question was raised regarding coordination between sector-specific plans. Apparently, there is not a great deal of such coordination by the sectors. Coordination is being established by the DHS. The energy-specific plan is believed to be of significant stature. Cross-sector coordination is a point well taken and will be reviewed with the DHS. Sector and government coordinating councils will be involved in matters such as the NIPP.

Public Safety Emergency Preparedness Canada

Joan Egan reviewed the Silver Links exercise. The report will be available to participants soon. Lessons learned from the exercise will be addressed. The Public Safety Emergency Preparedness Canada (PSEPC) will participate in the TOPOFF 3 exercise to be conducted in April 2005. PSEPC will be participating on the steering committee of the International Electricity Infrastructure Assurance Forum. PSEPC, together with support from the Royal Canadian Mounted Police, expects to make a report at the next secure energy sector briefing scheduled for Wednesday, June 8, 2005 in Washington, D.C. PSEPC develops guidance materials in response to reported incidents and their trends.

Recommendations from the August 14, 2003 outage related to security are being summarized with respect to actions. The specific recommendations included in this review are 36, 39, 42, and 44. PSEPC together with National Resources Canada, DHS, NERC, DOE, and the Canadian Electricity Association (CEA) have been coordinating in this effort. The report of this work is due in the April–May 2005 period and will address implementations and remaining gaps.

Department of Homeland Security

Paul Carrier reported on analytical work being conducted by the DHS. The content of this presentation is unclassified for official use only. Materials in support of this report will be presented with further analytical results at the June 8 cleared briefing in Washington, D.C.

Reports on Transmission Tower Incidents

Pat Laird assembled a series of reports on incidents regarding bulk electric transmission towers that have occurred over the period of approximately the last year and a half. Presentations were made by Bob

Windus for the Bonneville Power Administration, Eric Solberg for the American Transmission Company, Jean-Guy Ouimet for Hydro-Quebec, and Pat Laird for Exelon. These presentations were very well received, resulting in further discussion around lessons learned.

Telecommunications Interdependencies

Lou Leffler reported on work being initiated by the telecommunications sector on renewed emphasis on a telecommunications electricity service priority plan. Several people from the electricity sector will work together with telecom on this project.

TOPOFF3 Exercise

Lou Leffler reported on the TOPOFF (Top Officials) exercise, planned to be conducted in two venues during the first full week of April 2005. The private sector is being included for the first time in the TOPOFF series of exercises. Electricity sector ISAC will participate in the exercise. Larry Brown and Lou Leffler have had some involvement in the preparations for the exercise.

CIPC Executive Committee

Pat Laird and Larry Bugh reported. Refer to presentation, "CIPC Executive Committee Report-2." The CIPC Executive Committee approved work plans for CSSWG. The executive committee requests working groups and task forces to advise the executive committee of changes to their work plans as soon as these changes are known. This will assist in keeping track of the CIPC business plan activities. The work plans for each group will be posted on the CIPC website under the NERC homepage. The executive committee will attempt to meet (probably by conference call) with working group and task force chairs prior to CIPC meetings to assist in establishing the meeting agenda. Work plans for each group should also be reviewed promptly to assist in the development of the 2006 budget.

The executive committee approved development of a memorandum of understanding between the ESISAC and the other ISACs represented on the ISAC Council.

CIPC Roundtable

Barry Lawson reported on coordinated outreach between the National Rural Electric Cooperative Association (NRECA) and Rural Utility Services (RUS) and the cooperatives. RUS has developed a security planning document. This together with the NERC security guidelines and the Urgent Action Cyber Security Standard-1200 has been the topic for eight well-attended workshops.

Wally Johnson raised the question of dealing with bulk system restoration after an incident of potentially malicious causation that is under investigation.

Seiki Harada will be the chairman of the CEA CIP Working Group and Dave Baumken will be vice chairman.

Tom Glock reported that the CIP group is active in the WECC.

Tom Flowers raised the question that continues to challenge NERC and others involved in CIP regarding filling in "fact gaps" in media reporting. This issue has been discussed before and will be considered with the CIPC Executive Committee and those at NERC who work directly with the media.

Tom Kropp offered assistance in developing a rationale to meet this media response issue. Ken Hall cautioned that response to a media piece may indeed result in a media response with counterproductive overall results. Bob Canada suggested continued outreach to the government agencies so that they better

understand the technical, detailed operations of the electricity sector. Pat Laird indicated that it may be necessary on occasion to respond to a media piece but to use people within the organizations who have routine dealings with the media. Bob Sypult suggested consideration of developing some standard NERC statements, which contain and/or reference fact-based material.

Elizabeth Rhodenizer indicated that a positive output can be expected from the joint U.S.-Canada Power System Outage Task Force report.

Ron Niebo announced that the Critical Spares Task Force will conduct an exercise of the Spare Equipment Database, and five to six volunteer participants are being sought. Contact Ron Niebo at NERC.

T.C. Wilson requested consideration be given to more documentation regarding physical security.

Pat Laird requested comments on the current CIPC meeting format and organization (e.g., agendas). Members, alternates, and associates are requested to submit comments to Stuart Brindley or Lou Leffler.

Hank Kenchington indicated that DOE does use CIPC materials in its work.

Future Meetings

2005

1. Thursday (8 a.m. to 5 p.m.) – Friday (8 a.m. to noon), June 9–10, 2005; Washington, DC (possibly coupled with Department of Homeland Security cleared briefing).
2. Thursday (8 a.m. to 5 p.m.) – Friday (8 a.m. to noon), September 29–30, 2005; Denver, CO (coupled with AGA/EEI Security Committee).
3. Thursday (8 a.m. to 5 p.m.) – Friday (8 a.m. to noon), December 8–9, 2005; St Petersburg, FL (coupled with NERC standing committees).

2006

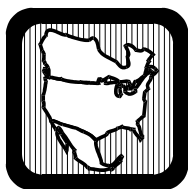
1. Thursday (8 a.m. to 5 p.m.) – Friday (8 a.m. to noon), March 17–18, 2006; Las Vegas, NV (coupled with NERC standing committees and AGA/EEI Security Committee).
2. June 2006 (dates to be determined), Washington, DC
3. Thursday (8 a.m. to 5 p.m.) – Friday (8 a.m. to noon), September 14–15, 2006; Baltimore, MD (coupled with NERC standing committees and possibly with AGA/EEI Security Committee).
4. Thursday (8 a.m. to 5 p.m.) – Friday (8 a.m. to noon), December 7–8, 2006; Tampa, FL, or Houston, TX (coupled with NERC standing committees).

Adjourn

There being no further business before the Critical Infrastructure Protection Committee, the meeting was adjourned.

Louis G. Leffler

Louis G. Leffler
Secretary



NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, New Jersey 08540-5731

January 18, 2005

Planning Committee, Operating Committee, Market Committee, and Critical Infrastructure Protection Committee Meetings March 14–18, 2005

The Planning Committee, Operating Committee, Market Committee, and Critical Infrastructure Protection Committee are meeting on March 14-18, 2005, in Long Beach, California. The meeting schedules are shown on Attachment A and the registration form is on Attachment B.

PC, OC, MC, and CIPC Meeting Logistics

Hotel	The Westin Long Beach Hotel 333 East Ocean Boulevard Long Beach, California 90802
Phone	562-436-3000
Fax	562-436-9176
Room rate	\$169 single or double occupancy
Reservation cutoff date	February 21, 2005 <i>(NOTE: After this date, the hotel will release this block of rooms and only accept reservations on a space-available basis.)</i>
Check-in and check-out times	Check-in: 3 p.m. Check-out: 1 p.m.
Transportation	The hotel is 30 minutes from LAX International Airport and 15 minutes from Long Beach Airport. <ul style="list-style-type: none">• Super Shuttle Service is available at baggage area. Cost - \$25-\$35 approx. each way. (Note: the shuttle stops at other hotels.)• Taxi: about \$35-\$55

Hotel Reservation Instructions

To make your room reservation, call the hotel directly and refer to the “North American Electric Reliability Council” to get the preferred rate and to ensure your reservation is credited to the NERC room block. ***NERC will pay a penalty if the total rooms blocked for these events are not used.*** If you use a travel agency for your travel plans, please make sure the agency mentions the North American Electric Reliability Council. We encourage you to make your hotel reservations immediately.

Meeting Registration Instructions

Interested members and guests **MUST** register by **February 21, 2005** by completing the registration form (**Attachment B**). Online registration is at the NERC website (www.nerc.com) under the “Committees” heading.

The meeting agendas will be posted on the NERC website under the “Committees” heading on or about February 25, 2005. Dress for all meetings is business casual.

Attachment A

PC, OC, MC, and CIPC Meeting Schedules

(Includes other associated NERC meetings)

Monday, Mar. 14	Tuesday, Mar. 15			Wednesday, Mar. 16	Thursday, Mar. 17	Friday, Mar. 18
	MC-NAESB 7-4			RM & Committee Officers 7-9	OC 8-5	CIPC 8-12
				JOINT SESSION 9-12	PC 8-12	
	SCEC 4-5:30			OC 1-5	CIPC 8-5	
MC EXEC- NAESB EXEC 4:30-6	OC EXEC 5:30-7	RM 5:30-7	PC EXEC 5:30-7	PC 1-5	CIPC EXEC 5-7	

Exec – Executive Committee
Joint – Joint PC/OC/MC-NAESB/CIPC Committee
MC – Market Committee
OC – Operating Committee

CIPC– Critical Infrastructure Protection Committee
PC – Planning Committee
RM – Regional Managers
SCEC– Standing Committees Executive Committees
NAESB –North American Energy Standards Board

MONDAY- 3/14/05

MC EXEC-NAESB EXEC 4:30 p.m. to 6 p.m.

TUESDAY- 3/15/05

MC-NAESB 7 a.m. to 4 p.m.
 Luncheon (MC-NAESB attendees only) Noon to 1 p.m.
 SCEC 4 p.m. to 5:30 p.m.
 RM and Committee Officers 5:30 p.m. to 7 p.m.
 PC Exec 5:30 p.m. to 7 p.m.
 OC Exec 5:30 p.m. to 7 p.m.

WEDNESDAY- 3/16/05

RM and Committee Officers 7 a.m. to 9 a.m.
 Joint PC/OC/MC-NAESB/CIPC 9 a.m. to 12 p.m.
 Joint Lunch (PC/OC attendees only) Noon to 1 p.m.
 OC 1 p.m. to 5 p.m.
 PC 1 p.m. to 5 p.m.

THURSDAY- 3/17/05

OC 8 a.m. to 5 p.m.
 PC 8 a.m. to Noon
 CIPC 8 a.m. to 5 p.m.
 Joint Lunch (OC/CIPC attendees only) Noon to 1 p.m.
 PC Exec Noon to 1 p.m.
 CIPC Exec 5 p.m. to 7 p.m.

FRIDAY- 3/18/05

CIPC 8 a.m. to Noon

SUBMIT TO: Rocio Wong
EMAIL: meetings@nerc.com

Attachment B

Please respond by February 21, 2005

**Planning Committee, Operating Committee, Market Committee, and Critical
Infrastructure Protection Committee Meetings
March 14–18, 2005**

Registration form

To assist in planning for the committees' meetings and luncheons, and to keep meeting costs to a minimum, you **MUST** complete this form and fax or e-mail it to me by **February 21, 2005**. If your plans change, please let me know.

Sincerely,
Rocio E. Wong
Rocio E. Wong
Meeting Coordinator

PC, OC, MC, and CIPC Meeting Registration

Please indicate your planned attendance by responding "yes" or "no" in all appropriate boxes:

	Yes	No
Market Committee-NAESB meeting on Mar. 15	<input type="checkbox"/>	<input type="checkbox"/>
MC-NAESB Luncheon on Mar. 15 (MC-NAESB attendees only)	<input type="checkbox"/>	<input type="checkbox"/>
Joint PC/OC/MC-NAESB/CIPC meeting on Mar.16	<input type="checkbox"/>	<input type="checkbox"/>
Operating Committee meeting on Mar.16.	<input type="checkbox"/>	<input type="checkbox"/>
Planning Committee meeting on Mar.16	<input type="checkbox"/>	<input type="checkbox"/>
OC/PC Joint Luncheon on Mar.16 (OC/PC attendees only)	<input type="checkbox"/>	<input type="checkbox"/>
Operating Committee meeting on Mar.17	<input type="checkbox"/>	<input type="checkbox"/>
Planning Committee meeting on Mar.17	<input type="checkbox"/>	<input type="checkbox"/>
Critical Infrastructure Protection Committee meeting on Mar.17	<input type="checkbox"/>	<input type="checkbox"/>
OC/CIPC Joint Luncheon on Mar.17 (OC/CIPC attendees only)	<input type="checkbox"/>	<input type="checkbox"/>
Critical Infrastructure Protection Committee meeting on Mar.18	<input type="checkbox"/>	<input type="checkbox"/>

Name:
Title:
Company:
Email:
Telephone:



Casual Attire

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

Princeton Forrestal Village, 116-390 Village Boulevard, Princeton, New Jersey 08540-5731

Critical Infrastructure Protection Committee

Wednesday, March 16, 2005 — 9 a.m. to noon (Joint with OC and PC)

Thursday, March 17, 2005 — 8 a.m. to 5 p.m. (CIPC)

Friday, March 18, 2005 — 8 a.m. to noon (CIPC)

The Westin Long Beach Hotel
Long Beach, California

(PLEASE BE PREPARED TO STAY FOR THE ENTIRE MEETING.)

Meeting Agenda

Thursday, March 17, 2005

- 15 min. **1. Administrative Items**
- a. Welcome and introductions
 - b. Logistics: NERC Antitrust Compliance Guidelines, CIPC governance, proxies
 - c. Amend this agenda (**Approve**) — Pat Laird
 - d. November 11–12, 2004 CIPC meeting minutes (**Approve**) (reference material)
— Lou Leffler
- 20 min. **2. NERC Update**
- a. Board of Trustees — Larry Bugh
 - b. Operating and Planning Committees — Lou Leffler
- 45 min. **3. CIPC Executive Committee Initial Report**
- a. CIPC business plan for 2005 and 2006 (reference material) — Pat Laird
 - b. Working group and task force work plans (reference material)
 - c. NERC documents; categories and descriptions (reference material)
- 20 min. **4. Electricity Sector Information Sharing Analysis Center (ESISAC)**
- a. Sector coordination report — Lou Leffler
 - b. ISAC council report
 - c. ESISAC operational update

A New Jersey Nonprofit Corporation

Phone 609-452-8060 ■ Fax 609-452-9550 ■ URL www.nerc.com

5. ESISAC Subcommittee Updates

- 15 min. a. Outreach Working Group — Wally Johnson
- Initiatives
 - Cyber Security Standard – 1200 workshops review — Linda Nappier
- 40 min. b. Reporting Technologies Working Group (RTWG)
- RTWG update and Homeland Security Information Network (HSIN) exercise — Allen Klassen
 - HSIN — Julie Silberger
 - Status of HSIN – multiple critical sectors
 - Status of HSIN – electricity sector
- 15 min. c. Indications, Analysis, Warnings Working Group — Larry Bugh

6. Security Planning Subcommittee Updates

- 45 min. a. Standards and Guidelines Working Group — Seiki Harada
- Status of the guidelines review
 - Inventory list of CIPC-related documents (reference material)
 - Guideline review shell (reference material)
 - Results of reviews of ten guidelines
 - Revisions to the Security Guideline: Physical Threat Response – Lyman Shaffer
 - Permanent Cyber Security Standard – CIP-002–CIP-009 — Larry Bugh
- 30 min. b. Risk Assessment Working Group — Ted Heller
- Update on whitepaper: Risk-Assessment Methodologies for Use in the Electric Utility Industry
 - Briefing on grid vulnerability tools
- 60 min. c. Control Systems Security Working Group
- Control Systems Security Working Group Top 10 Vulnerabilities of Control Systems – 2004 (**Approve**) (reference material)
 - Security Guideline: Control System Electronic Connectivity (reference material)
 - Security Guideline: Patch Management for Control Systems (reference material)
 - Security Guideline: Information Security – Encryption
 - Other initiatives (INEEL briefing, Process Control Systems Forum)

7. Agency Briefings (as available)

- 15 min. a. Public Safety and Emergency Preparedness Canada — Joan Egan
- 30 min. b. Department of Energy — Hank Kenchington
- National Infrastructure Protection Plan; focus on any CIPC work plan gaps
 - National Response Plan; changes and expectations of the Electricity Sector
- 30 min. c. Department of Homeland Security — Paul Carrier
- 15 min. d. Federal Energy Regulatory Commission – invited

Friday, March 18, 2005

8. Other

- 20 min. (Thurs) a. International Electricity Infrastructure Assurance Forum — John Allen
- 30 min. b. Reporting on bulk electric system transmission tower incidents — Pat Laird
- 15 min. c. Telecommunications and electricity interdependencies — Lou Leffler
- 15 min. d. TOPOFF-3 Exercise

9. CIPC Executive Committee Meeting Report

10. Follow-up and Actions from All Briefings and Working Group/ Task Force Reports and Recommitment to the CIP Work — All

11. Future Meetings — Lou Leffler

- a. Thursday (8 a.m. to 5 p.m.) and Friday (8 a.m. to noon), June 9–10, 2005; Washington, D.C. (possibly coupled with Department of Homeland Security cleared briefing).
- b. Thursday (8 a.m. to 5 p.m.) and Friday (8 a.m. to noon), September 29–30, 2005; Denver, Colorado (coupled with AGA, EEI Security Committees).
- c. Thursday (8 a.m. to 5 p.m.) and Friday (8 a.m. to noon), December 8–9, 2005; St. Petersburg, Florida (coupled with NERC Standing Committees).
- d. Working group and task force meetings will be conducted at times adjoining CIPC meetings as appropriate.
- e. Security briefing conference calls will be conducted on first and third Fridays each month and as conditions require.
- f. CIPC, working group, and task force conference calls will be conducted as required.

Background Materials (Additional materials will be forwarded as available.)

1. NERC Antitrust Compliance Guides
2. Minutes of the November 11–12, 2004 NERC CIPC meeting, draft 2
3. CIPC Security Recommendations from Joint Outage Task Force Report
4. CIPC Work Plan – 2005 with amendments to be CIPC Work Plan – 2006
5. NERC Documents
6. Control Systems Security Working Group Work Plan
7. Reporting Technologies Working Group Work Plan
8. Standards and Guidelines Working Group Work Plan
9. Inventory List of CIPC Related Documents
10. Guideline Review Shell
11. Top 10 Vulnerabilities of Control Systems – 2004
12. Security Guideline: Control System Electronic Connectivity, draft version 0.4
13. Security Guideline: Patch Management for Control Systems, draft version 0.5
14. Organization and Procedures Manual for NERC Standing Committees
ftp://www.nerc.com/pub/sys/all_updl/docs/misc/orgproman061504.pdf

CIPC Meeting Attendees

March 17–18, 2005 Meeting

(V = voting member; P = Proxy)

REPR	VOTE	POSITION	NAME	ORGANIZATION
APPA	P	Alternate	James Lauth	Silicon Valley Power
CEA	V	Member	Dave Baumken	Hydro One
	P	Alternate	Seiki Harada	BC Hydro & Power Authority
		Alternate	Jean-Guy Quimet	Hydro-Québec
NRECA	V	Member	Robert Richhart	Hoosier Energy
	V	Member	Barry R. Lawson	NRECA
ECAR	V	Member: Phys	Michael Lynch	Detroit Edison
	V	Member: Cybr Vice Chair	Larry Bugh	ECAR
	V	Member: Oper	Scott P. Moore	American Electric Power
		Alternate: Cyber	Frank Dessuit	Northern Indiana Public Service
ERCOT	V	Member: Phys	William O. Bojorquez	ERCOT
	V	Member: Oper	H. Steven Myers	ERCOT
		Alterate: Cyber	Tom Flowers	CenterPoint Energy
FRCC	V	Member: Phys	Frank Prieto	Florida Power & Light
		Alternate: Phys	Robert Champion	Progress Energy
MAAC	V	Member: Phys	Robert H. Beahm	Constellation Energy
	V	Member: Cybr	Thomas T. Bowe	PJM Interconnection
	V	Member: Oper	Walter A. Johnson	Potomac Electric Power
MAIN	V	Member: Phys Vice Chair	Patrick J. Laird	Exelon
	V	Member: Oper	Eric Solberg	American Transmission Co.
	V	Member: Cybr	Linda Nappier	Ameren Services
		Alternate: Oper	Richard H. Gloff	MAIN
MRO	V	Member: Cybr	Greg J. Fraser	Manitoba Hydro
	V	Member: Oper	David R. Kulisek	Omaha Public Power District
	V	Member: Phys	R. Scott McCoy	Xcel Energy
NPCC	V	Member: Cybr	Charles E. Noble	ISO New England
	V	Member: Oper	Roger Lampila	New York ISO
	P	Alternate	Bonnie Bushell	New York ISO
SERC	V	Member: Phys	Robert D. Canada	Southern Company Servies
	V	Member: Cybr	Jay S. Cribb	Southern Company Services
	P	Alternate: Oper	Russell F. Robertson	Tennessee Valley Authority
SPP	V	Member: Cybr	Todd Thompson	SPP
	V	Member: Oper	Allen Klassen	Westar Energy
	V	Member: Phys	Larry Dolci	Great Plains Energy
		Alternate: Cybr	Joe Doetzi	Kansas City Power & Light
WECC	V	Member: Cybr	James W. Sample	California ISO
	V	Member: Phys	Robert L. Windus	Bonneville Power Administration
	V	Member: Oper	Thomas R. Glock	Arizona Public Service
		Alternate: Phys	Lyman H. Shaffer	Pacific Gas and Electric
		Alternate: Oper	D. Jack Bernhardsen	Pacific NW Security Coordinator
		Alternate: Phys	Robert L. Sypult	Southern California Edison

NERC	-----	Secretary	Louis G. Leffler	NERC
		Staff Support	Lynn P. Costantini	NERC
		Staff Support	Ronald N. Niebo	NERC
		Staff Support	Angie Nicastro	NERC
-----	-----	Associate	Paul Blomgren	Mykotronix
		Associate	Laurence Brown	EEl
		Associate	Christopher Burden	Williams Gas Pipeline
		Associate	Paul Carrier	DOE-MITRE
		Associate	Matthew Chiramal	NRC
		Associate	Jeff Dagle	PNNL
		Associate	Joan Egan	PSEPC
		Associate	Michael Ferrara	CSC
		Associate	John Fridye	Reliant Energy
		Associate	Heinrich Gerber	BC Transmission Corp.
		Associate	Ken Hall	EEl
		Associate	Ron Hebert	DOD
		Associate	Ted Heller	DOD DPO-MA
		Associate	Dennis K. Holstein	OPUS Publishing
		Associate	Fred Hudson	ITC
		Associate	Len Januzik	I2R Technologies
		Associate	Rick Kaun	Matrikon
		Associate	Ken Keels	SERC
		Associate	Henry Kenchington	DOE
		Associate	Mike Knauer	Hoosier Energy
		Associate	Thomas Kropp	EPRI
		Associate	Richard J. Levernier	DOE
		Associate	Serges Mahnovski	MITRE
		Associate	Jim McClone	DOE
		Associate	Frank McCormick	PSEG
		Associate	Scott Mix	KEMA
		Associate	William E. Muston	TXU Electric Delivery
		Associate	John Pavek	USDA
		Associate	Joseph Pereira	ISO New England
		Associate	Elizabeth Rhodenizer	PSEPC
		Associate	Matt Rosenbaum	DOE
		Associate	Julie Silberger	CSC
		Associate	John T. Tendgin	OPUS Publishing
		Associate	Joe Weiss	KEMA
		Associate	T.C. Wilson	ACSS