



# NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

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

## Critical Infrastructure Protection Committee Meeting

March 16–17, 2006  
Mesa, Arizona

### Highlights

#### **CIPC Executive Committee Report and Actions**

(Refer to presentation posted on website: <http://www.nerc.com/~filez/cipmin.html>)

Barry Lawson reported on the January 2006 Partnership for Critical Infrastructure Security meeting attended by Stuart Brindley. Department of Homeland Security (DHS) representatives Jim Caverly and George Forsman also attended. The National Infrastructure Protection Plan (NIPP), National Assets DataBase, and risk assessment methodologies were discussed. The Base NIPP is expected to be released in May 2006 with the specific plan for the Energy Sectors to be issued six months later.

A spring 2006 meeting of the Electricity Sector Coordinating Council with the Government Energy Coordinating Council is being planned. Topics will include the appropriate procedure for changing the Electricity Sector (ES) Physical and Cyber Threat Alert Levels, the sector specific NIPP, the feasibility study for the development of a transmission monitoring system, and other subjects. Senior DHS personnel will also be in attendance.

#### **NERC Update**

(Refer to presentation posted on website: <http://www.nerc.com/~filez/cipmin.html>)

The current status of the Electric Reliability Organization (ERO) application and the new NERC program based organization was discussed.

#### **Electricity Sector Information Sharing and Analysis Center (ESISAC)**

Lou Leffler provided an update on ESISAC activities. The DHS Cyber Storm 2006 communications focused exercise was conducted February 6–9, 2006. The exercise was heavily focused on communication and information sharing. The ES participated and observed as reliability coordinators, balancing authorities, load serving entities, and the ESISAC. Several significant lessons learned regarding emergency communications were discussed. While still under development, The Homeland Security Information Network (HSIN) was used extensively and successfully during the exercise, also with lessons learned to improve HSIN functionality.

The Critical Infrastructure Warning Information Network (CWIN) has been deployed to 11 reliability coordinators and the ESISAC. Additional locations are expected; training and testing will proceed.

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The joint Department of Energy (DOE) / Federal Energy Regulatory Commission (FERC) report to Congress for the Energy Policy Act 2005 Section 1839, Transmission Monitoring System was briefly discussed. NERC is working with the DOE and FERC to scope a path forward. CIPC and the Operating Committee will be involved as this initiative proceeds. There is renewed interest in the North American Electric Infrastructure **SEC**urity Monitoring System (NESEC).

The National Security Telecommunications Advisory Committee's Telecommunications Electric Power Interdependencies Task Force (TEPITF) presented its near-term report; this includes recommendations for communications between the Electricity and Communications sectors and designation of utility personnel as "emergency responders" during emergencies. The TEPITF is now working on the issue of long term outages that will focus on dependencies and interdependencies of the electricity and community sectors.

Stan Johnson reported on the Blue Cascades III exercise conducted in the Pacific Northwest, on March 1–2, dealing with infrastructure response to a devastating earthquake. Improvement areas identified included restoration, priorities, dependencies, individual role clarity, and the need to establish and maintain relationships between critical infrastructure sectors, law enforcement, and other federal, state, and local agencies.

### **Security Guidelines**

(Refer to presentation posted on website: <http://www.nerc.com/~filez/cipmin.html>)

The Security Guidelines Working Group (SGWG) recommended review of seven security guidelines during 2006 and seven others during 2007. The CIPC Executive Committee met and recommended an approach using existing working groups and task forces or specifically charged task forces to conduct the reviews and recommend revisions.

The SGWG recommended a modification to the security guideline preamble; this was moved and passed as:

“This document addresses potential risks that can apply to some electricity sector organizations and provides practices that can help mitigate the risks. Each organization decides *for itself* the risks it can accept and the practices it deems appropriate to manage its risks.”

Seiki Harada was thanked for his contributions; Scott McCoy will assume the chair of the SGWG.

### **Control Systems Security**

Tom Flowers reviewed the Control Systems Security Working Group activities toward development of documents dealing with zero day event detection, incident response, and information security.

The paper, “Top 10 Vulnerabilities of Control Systems and Their Associated Mitigations – 2006” was reviewed, modified, moved, and passed for public availability after NERC format review by technical writers.

Hank Kenchington presented the “Roadmap to Secure Control Systems in the Energy Sector”. This document is available at: <http://www.controlsystmsroadmap.net>

CIPC members were requested to thoroughly review this document for consideration to **vote to endorse**, at the June 2006 meeting, the roadmap as the path forward for the ES, together with the other energy sectors to secure control systems now and in the future.

### **Pandemic Document**

Stan Johnson reported on the CIPC approval by email ballot of the Influenza Pandemic Summary and Influenza Pandemic Reference Guide, available at: <http://www.nerc.com/~filez/cipfiles.html>

One concern expressed was how to deal with critical infrastructure emergency responders' capability to serve during a pandemic emergency.

### **Hurricane Experiences**

(Refer to presentation posted on website: <http://www.nerc.com/~filez/cipmin.html>)

Presentations of the 2005 hurricane season were made by Ron Landry on Lafayette Utilities System experiences and lessons learned (presentation available on request to NERC) and by Stan Johnson on the DOE After Action Report from The Energy Leadership Forum held in January.

### **Dual Site Energy Control Center**

(Refer to presentation posted on website: <http://www.nerc.com/~filez/cipmin.html>)

Tom Glock presented on his utility's experience regarding primary center shutdown and restart testing.

### **Cyber Security Standards**

Larry Bugh reported on the Cyber Security Standards CIP-002-1 through CIP-009-1 ballot status. The standards passed the first ballot and the second ballot will be completed March 24, 2006. The applicability of the standards beyond control centers was noted. The posted implementation plan will not be changed.

### **Outreach**

Wally Johnson and Larry Bugh reported on the Cyber Security Standard Education Team proposed standard education effort for the ES. The path forward will be to develop a three module course. Module One will be a basic overall NERC/ERO review. This is being developed for other workshops and will be available at those venues and through cyber security standard webexes to be scheduled later this year. Module Two will be developed for workshop presentation to deal specifically with the CIP-002-1, the risk assessment approaches, and identification of critical cyber assets associated with critical bulk electric system assets. Module Three will deal with CIP-003-1 through CIP-009-1. Modules Two and Three will include what to expect in an audit.

A request for proposal (RFP) will be written for development of training modules and associated materials that can be used by NERC and Regions in workshops and ES entities for their own training. A second RFP will be written for the delivery of Modules Two and Three at NERC workshops.

### **Homeland Security Information Network (HSIN)**

(Refer to presentation posted on website: <http://www.nerc.com/~filez/cipmin.html>)

Carl Eng, Julie Silberger, and Greg Holland reported on the status of the HSIN project including mechanics and development of the registration process. Carlos Kizzee discussed the Memorandum of Understanding (MOU) and the End User Agreement (EUA) that are included in the agenda materials. He also discussed the status of originator control (ORCON) as provided for in the developing application of PCII to HSIN.

Two motions passed by CIPC vote:

- 1) CIPC recommends NERC execute with DHS the Memorandum of Understanding for use of HSIN by the ES.
- 2) CIPC recommends proceeding with the End User Agreement as part of the HSIN registration process.

The EUA is an agreement (made during registration) between DHS and individual HSIN users regarding HSIN mechanical use, not inclusive of any posting requirements. The CIPC Executive Committee recommended to CIPC that the EUA be sent to the CIPC, Operating Committee, American Public Power Association, Canadian Electricity Association, Edison Electric Institute, National Rural Electric Cooperative Association, and signatories to the NERC data confidentiality agreement for information and comment. Comments should be sent to NERC.

The HSIN registration process is expected to commence in May 2006. This will be followed by HSIN training (likely by webex) with an objective to approve use of HSIN at the June 2006 CIPC meeting. The current secure messaging system (Critical Infrastructure Protection Information System) will remain in use and parallel operation for some subsequent time period.

### **Indications, Analysis, and Warning (IAW) Program**

Nominal changes were made to the IAW program in 2005 and the current program has been signed by DHS and NERC. The program is currently under substantive review. A progress report is planned for the June 2006 meeting, with approval by CIPC anticipated at the September 2006 meeting.

### **Incident Report**

Tom Eells reported on the activities in the midwest by the so-called “Dr. Chaos” and his current incarceration.

### **Appreciation**

Ken Hall was thanked for his contributions over many years to CIPC and the security of the ES.

### **Presentations**

Presentations made during the meeting are available at the NERC Internet site under CIPC public or private files as specified by the authors.

### **Future Meetings**

June 21–22, 2006: Washington, D.C.

September 13–15, 2006: Boston, MA (with AGA/EEI)

December 6–8, 2006: Houston, Texas or Tampa, FL (with NERC).