

**2007 Critical Infrastructure Partnership Advisory Council Plenary Session**  
**Executive Summary**  
**July 19, 2007**  
**Capital Hilton**  
**Washington, D.C.**

**Opening of Meeting/Roll Call**

Ms. Nancy Wong, Designated Federal Official (DFO) for the Critical Infrastructure Partnerships Advisory Council (CIPAC), called the meeting to order and called roll of all sectors and participants.

**Opening Remarks**

CIPAC Co-Chairs, Mr. Robert Stephan, Assistant Secretary for Infrastructure Protection for the Department of Homeland Security (DHS) and Mr. Michael Wallace, President, Constellation Generation Group and Chair of the Partnership for Critical Infrastructure Security Inc. (PCIS), spoke about the history of CIPAC and the progress in infrastructure protection since its formation.

Col. Michael McDaniel, Homeland Security Advisor for the State of Michigan who serves as Chair of the State, Local, Tribal, and Territorial Government Coordinating Council (SLTTGCC), spoke on the steps the SLTTGCC is taking to improve coordination between the Federal Government and State, local, territorial and tribal governments on the issue of critical infrastructure protection.

The meeting consisted of a series of sector-specific panel discussions, which detailed the activities each of the 17 Critical Infrastructure and Key Resource Sectors have undertaken during the past year. In addition, representatives outlined their Sector's goals for the future.

**Panel I: Working Together to Ensure Economic Stability**

*Communications Sector*

Mr. Greg Garcia, Assistant Secretary for Cyber Security and Communications (CS&C) for DHS, and Mr. J. Michael Hickey, Verizon, presented the notable accomplishments, collaborative efforts, and the path forward for the Communications sector.

Over the past year, the Sector completed the Communications Sector-Specific Plan (CSSP), formed two working groups (CSSP Steering Committee and CSSP Implementation Working Group), and began rolling out its "Wireless Shutdown and Restore Protocols."

The Communications Sector collaborated with the DHS National Cyber Security Division (NCSA) and the DHS Science and Technology Directorate (S&T Directorate) on forming communication research and development (R&D) requirements. The Sector also produced a broad agency announcement calling for R&D efforts in nine technical topic areas. The Sector also worked on many joint efforts with the Information Technology (IT) Sector, including the first joint meeting involving the IT and Communications Sectors' Government Coordinating Councils (GCCs) and Sector Coordinating Councils (SCCs) in September 2006.

Next steps and goals for the Communications Sector include finalizing a risk-assessment methodology by early 2008 and drafting sector-specific metrics by May 2008.

#### *Information Technology Sector*

Assistant Secretary Garcia and Mr. Guy Copeland, Computer Sciences Corporation, offered the achievements, collaborative efforts and goals for the Information Technology (IT) sector.

The IT Sector reported several notable accomplishments including the finalization and distribution of the IT Sector Specific Plan and Sector Annual Report and the building of trusted relationships within industry and throughout the government. The Sector had a great deal of cross-sector collaboration that included the formation of the Cross-Sector Cyber Security Working Group, which it created to ensure cross-sector collaboration on cyber security issues. The working group is co-chaired by representatives from the IT SCC, Energy/Electricity SCC, and DHS NCSD. The IT Sector also continued its long-standing relationship with the Communications Sector as the technologies and services for each of these sectors continues to converge. As membership in each sector intersects and overlaps, designated representatives from industry and government participate in both the Communications and IT Sectors.

The Sector's goals for the future are to increase and diversify membership in the IT SCC and IT GCC. Moreover, the Sector hopes to begin educational outreach on the IT SCC to a broad group of stakeholders, including Capitol Hill staff. The Sector is also preparing for Cyber Storm II in March 2008. Cyber Storm is a large-scale national exercise examining the processes, procedures, tools and organizational response to a multi-sector coordinated attack through and on the global cyber infrastructure.

#### *Banking and Finance Sector*

Mr. Shawn Johnson, State Street Global Advisors, and Ms. Valerie Abend, Treasury Department, presented the achievements, collaborative efforts, and future goals of the Banking and Finance Sector.

The Banking and Finance Sector reported notable accomplishments, which included participation in regional response tabletop exercises in Chicago, Tampa, and San Francisco. In addition, the Sector noted that it had finalized its Banking and Finance SSP and Sector Annual Report. Next steps for the sector include publishing results and recommendations from the recently completed Pandemic Study and Best Practices Forum, conducting a joint Financial and Banking Information Infrastructure Committee (FBIIC)/Banking and Finance SCC Pandemic Flu Exercise in September 2007, and establishing greater permanency in the SCC management structure.

## **Panel II: Protecting America's Distinctive Landscape**

#### *Commercial Facilities Sector*

Mr. Roger Platt, The Real Estate Roundtable, and Mr. Dave Crafton, DHS, presented the status of the Commercial Facilities Sector. The Sector recently published the International Association of Assembly Managers Best Practices Guides and it teamed with the Real Estate Information Sharing and Analysis Center (ISAC) to create public service ads on critical infrastructure protection. In collaboration with International Council of Shopping Centers (ICSC), the Commercial Facilities Sector also implemented a program to train security guard on how to react to in the event of an Incident of National Significance.

Recently, the Commercial Facilities Sector collaborated with NASCAR to create an evacuation template for racetracks and speedways. In addition, the Sector completed a “High Density Urban Tabletop Exercise” in Boston and Washington, D.C. The exercise tested neighborhood response readiness of the local financial and public health organizations as well as Federal, State, and local homeland security officials.

The goals of the Commercial Facilities sector are to engage more private sector and local governments in collaborative efforts, to hold anti-bombing awareness courses throughout the nation, and to publish a Protective Measures Guide for Sports Leagues across the United States.

#### *Government Facilities Sector*

Susan Burrill, DHS, presented the notable achievements, collaborative efforts, and the goals of the Government Facilities Sector. The Sector’s achievements include formally establishing the Government Facilities GCC (GF GCC). The GF GCC now has active participation from more than 70 members, Ms. Burrill reported. The Sector also drafted its SSP and Sector Annual Report during the past year and issued guidance and fact sheets to sector security partners.

The Government Facilities Sector coordinated with the Office of Continuity Programs at the Federal Emergency Management Agency (FEMA) to ensure essential government functions are protected and appropriate security and contingency considerations are conducted. Goals of the Sector include developing a risk-assessment and management tool and continuing to reach out to its State, local, tribal, and territorial security partners.

### **Panel III: Power & Water United to Reduce Risk**

#### *Water Sector*

Mr. Billy Turner, Columbus, GA Water Works, and Mr. Michael Shapiro, Environmental Protection Agency, presented on behalf of the Water Sector. The Water Sector reported numerous accomplishments, including the creation of a risk assessment methodology and the establishment of an information-sharing mechanism, the Water Information Sharing and Analysis Center (WaterISAC). The WaterISAC is a centralized resource that gathers, analyzes, and disseminates security-related information specific to the Water sector. The Sector is also currently working to create functional Water/Wastewater Agency Response Networks (WARN) in all 50 States.

The Water Sector goals are to develop sector-specific metrics, initiate Water Security Initiatives pilot programs in Chicago and Seattle, and develop a pandemic influenza guide for shareholders.

#### *Energy Sector:*

Mr. Kevin Kolevar, Department of Energy, Mr. Al Philippus, Valero Energy and Mr. Stuart Brindley, Independent Electricity System Operator, presented the Energy Sector status report.

The Energy Sector’s achievements included the formation of the full Energy SCC and GCC, as well as sub-councils for Electricity and Oil and Natural Gas. Additionally, the Sector drafted and published a “Roadmap to Secure Control Systems in the Energy Sector,” and wrote the Energy SSP, as well as the Pipeline Annex to the Transportation SSP.

The Energy Sector collaborated with the Communications, IT, and Banking and Finance Sectors to share information from the Electricity Sector during emergencies. This increased cooperation allowed for a better understanding of priorities and increased the ability for these sectors to maintain situational awareness throughout the emergency. The Energy Sector cooperated with the Department of Health and Human Services (HHS) to create a pandemic influenza guide for stakeholders. The sector's goals are to draft sector-specific metrics, finalize the pandemic influenza guide, and enhance processes to share and protect private industry information.

#### *Dams Sector*

Dr. Enrique Matheu, Department of Homeland Security, and Mr. Hal Dalson, CMS Energy, presented the Dams Sector's notable achievements, collaborative efforts, and goals for the future.

The Dams Sector reported several notable accomplishments, including finalizing the Dams SSP and Sector Annual Report, creating five working groups (Asset Identification, Security Education, Information Sharing, Research and Development, and Risk Analysis and Management for Critical Asset Protection (RAMCAP)), and expanding international representation on the Dams SCC with the addition of Ontario Power Generation and Hydro Quebec. The Dams Sector is also working publishing a Security Awareness Handbook, Security Awareness Guide, Protective Measures Handbook, and Crisis Management Handbook.

The Sector collaborated with private stakeholders (Archer Daniels Midland Co.), State agencies (Illinois Terrorism Task Force, Illinois Department of Transportation), and Federal partners (U.S. Coast Guard, U.S. Army Corps of Engineers) to evaluate potential economic impacts associated with the disruption of the Illinois Waterway System. The Sector also collaborated with organizations, including the National Dam Safety Review Board and the Interagency Committee on Dam Safety, to leverage all resources dealing with dam security and dam safety.

The Sector's goals include developing a strategic plan for securing and protecting levees and flood damage reduction systems and supporting the development of regional consequence analysis methodologies that capture infrastructure interdependencies and cascading effects associated with failures of dams, navigation locks, and levees along river basins. The Sector is also supporting the development of a sector-specific set of self-assessment tools to quantify consequence and vulnerability information.

#### *Nuclear Sector*

Mr. Steve King, Department of Homeland Security and Mr. Michael Wallace, updated the status of the Nuclear Sector. The Nuclear Sector has encouraged Nuclear Power Plant personnel to use of the Homeland Security Information Network (HSIN). To date, 100 percent of companies within the Sector and 85 percent of nuclear sites now have access to HSIN. Additionally, the Sector completed a prompt notification pilot program, held quarterly classified Homeland Infrastructure Threat and Risk Analysis Center (HITRAC) briefings for sector personnel, and completed the Nuclear Sector-Specific Plan and the Sector Annual Report.

In a joint effort among representatives from DHS, FEMA, the U.S. Coast Guard, FBI, and local law enforcement, the Nuclear Sector completed comprehensive reviews of all nuclear power plants. The Sector presented its findings on pandemic influenza preparedness to The Edison Electric Institute (EEI), Information Technology, and Finance industry groups. Goals for the Sector in the upcoming year include the creation of sector-specific metrics, the continued effort

to close security gaps through The Nuclear Comprehensive Review Outcomes Working Network (CROWN), and the continued development of sector specialized HSIN Portals (Security Operating Experience and Suspicious Activities Tracking).

#### **Panel IV: Preparedness and Response Successes**

##### *Food and Agriculture Sector*

Mr. Clay Detlefsen, International Dairy Foods Association, Ms. Diane DiPietro, Department of Agriculture, and Dr. David Acheson, Food and Drug Administration presented the Food and Agriculture sector status report.

The Food and Agriculture Sector's major accomplishments include creating the Joint Committee on Research, a working group whose purpose is to study potential gaps in agricultural security and food defense research and development efforts. The Sector also implemented the private sector security clearance program, which screens private sector individuals for security clearances and completed two tabletop security exercises.

The Sector worked with State and local governments to create the State Guidance Criticality Project that will attempt to develop a guidance tool that identifies critical Food and Agriculture sector elements/systems/assets. Goals of the Sector are to improve two-way communication, including better use of HSIN and the Emergency Notification System (ENS). The Sector also wants to increase State and local government participation in Food and Agriculture Sector activities.

##### *Healthcare and Public Health Sector*

Cdr. Lucienne Nelson, Department of Health and Human Services (HHS), and Mr. Chris Lake, Blu-Med Response Systems, gave the Healthcare and Public Health Sector status update. The Healthcare and Public Health Sector reported several notable accomplishments including the establishing nine functional sub councils, obtaining security clearances for SCC members, and completing the Healthcare and Public Health SSP and Sector Annual Report.

The Sector collaborated to help all sectors prepare for a pandemic influenza event and participated in national exercises and other sector GCC and joint meetings to ensure understanding of cross-sector common issues and dependencies. The Sector's goals are to socialize the importance of critical infrastructure protection to public and private partners, and have better two-way communication among HHS DHS, SCC and GCC.

##### *Chemical Sector*

Mr. Rick Kane, Rhodia Inc., and Ms. Amy Freireich, Department of Homeland Security, presented the Chemical Sector's notable achievements, collaborative efforts, and goals.

The Chemical Sector's notable achievements include completing the Chemical SSP and Sector Annual Report, co-sponsoring the June 2007 Chemical Sector Security Summit, and facilitating the exchange of subject-matter experts to support security initiatives and programs.

The Sector collaborated with the Emergency Services, Transportation, and Communications Sectors to complete the Chemical Comprehensive Reviews. It invited the American Petroleum Institute, which is a member of the Energy Sector, to also join the Chemical SCC. The Sector's goals are to continue implementing the Chemical Facility Anti-Terrorism Standards (CFATS), to

release a Web-based Security Awareness Training Program, to develop a Vehicle Born Improvised Explosive Device Training program for facility security officers, and to create sector-specific metrics.

*Emergency Services Sector:*

Mr. Kory Whalen, Department of Homeland Security, presented the Emergency Services Sector status update. Achievements of the sector include finalizing the Emergency Services SSP and Sector Annual Report; publishing the “Critical Infrastructure Protection (CIP) Process Job Aid,” and “Homeland Security Advisory System Guide;” and developing a five-minute CIP promotional video, as well as a 60-minute video highlighting CIP initiatives.

The Sector supported the U.S. Navy during its development of the Navy Firefighting and Emergency Services Vision 2030, {insert phase describing what this is}. Alongside the Communications and Transportation Sectors, the Chemical Sector also participated in the Chemical Comprehensive Review Process. The Sector’s goals include establishing a process to inform sector partners of available grant funding, establishing an information-sharing environment through the HSIN portal, and developing sector-specific metrics.

**Panel V: Supply Chain Strategies**

*Defense Industrial Base Sector*

Gen. Barry Bates, National Defense Industrial Association and Mr. Bill Bryan, Department of Defense, presented the notable achievements, collaborative efforts, and goals for the future of the Defense Industrial Base (DIB) Sector.

DIB detailed several notable accomplishments, including its development of the Critical Infrastructure Protection-Mission Assurance Assessment (CIP-MAA), which focuses on DIB critical assets, systems, networks, and functions. The Sector also established a working group to study the issue of “Access Control” to DIB facilities by persons other than those performing direct contract responsibilities. The Sector also developed and distributed an “Infrastructure Resiliency Guide” as a tool for asset owners and operators to understand their infrastructure dependencies more fully. The guide allows owners and operators to be more proactive in instituting mitigation options.

DIB teamed with the Defense Contract Management Agency (DCMA) to develop a proposal to identify, organize, and train teams of dedicated military reserve component personnel to respond to incidents involving DIB assets and expanded critical infrastructure efforts into Canada via the Security and Prosperity Partnership with Canada.

DIB sector goals include exploring Protected Critical Infrastructure Information (PCII) as a Department of Defense-wide program, expanding membership to include all segments and sub-segments of the DIB, and increasing existing assessment efforts to incorporate better cyber security practices.

*Transportation Systems Sector*

Mr. Martin Rojas, American Trucking Association, Mr. Chris Bidwell, Air Transport Association and Mr. Doyle Raines, Transportation Security Administration presented the Transportation sector notable achievements, collaborative efforts and goals for the future.

The Transportation Sector's notable achievements include completing the Transportation Systems SSP and Sector Annual Report, creating the Transportation and Port Security Grant Programs, and expanding risk assessments initiatives. Transportation Sector goals include implementing the National Strategy for Aviation Security, the National Strategy for Transportation Security and the National Maritime Transportation Security Plan; completing the Transportation Worker Identification Credential program; and defining and setting targets for R&D programs.

#### *Postal and Shipping Sector*

Mr. Doyle Raines presented the Postal and Shipping sector status report. The Postal and Shipping sector reported numerous accomplishments including establishing a culture and working relationship based on the partnership framework. This improved relationship has resulted in a more collaborative approach on mutual goals. In addition, the Sector completed its SSP and Sector Annual Report.

The Sector's collaborative efforts include providing outreach and security awareness training to industry organizations and associations. In addition, the Sector has provided and encouraged the use of the sector driven web portals. Postal and Shipping Sector goals are to define and set targets for research and development programs and to create sector-specific metrics.

#### **The Sector Partnership's Roll in Incident Management**

Mr. Robert Shea, Associate Deputy Administrator of the Federal Emergency Management Agency (FEMA), spoke about the changes undertaken by the new management of FEMA. He stated the partnership framework is a key asset in incident management and welcomed the focus on the interdependence of the critical infrastructure sectors.

#### **The Path Forward: Working Together to Address CI/KR Interdependencies**

Assistant Secretary Stephan and Mr. Wallace concluded the meeting by speaking about the tremendous strides taken because of the sector partnership framework. Both men expressed hope that the framework would continue to enjoy great success and would help make the country's critical infrastructure more secure and more resilient.

#### **Adjournment**

Ms. Wong called the meeting to a close.