NIPP: Energy Sector Perspective and Energy Sector Plan Update
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NIPP Base Plan Current Status

- The Interim NIPP released in February 2005 is being revised
- Comment and review process for the NIPP Base Plan will begin soon
- Base Plan will receive two rounds of review and comment by Federal, state, local, tribal, territorial, and private sector Partners
- The finalized 2005 version of the NIPP Base Plan is due out
NIPP Coordination Strategy

Purpose

- Establish a structured approach to communicating with homeland security stakeholders, in particular, the owners and operators of critical infrastructure

Objectives

- Share information and promote an understanding of the NIPP
- Provide information on the progress of NIPP development
- Encourage a two-way dialogue with stakeholders to manage expectations and address concerns
- Develop common outreach templates and tools
- Develop feedback processes and timelines to ensure stakeholder review and comment
NIPP Coordination Strategy

Key Messages:
- HSPD-7 calls for an integrated national plan that will outline goals, objectives, milestones, and key initiatives for infrastructure protection
- The NIPP
  - Provides a foundation for infrastructure protection activities
  - Reflects a risk management framework
  - Includes coordination with Federal, state, territorial, tribal, local and private sector partners
  - Serves as the critical bridge between “steady-state” security across our CI/KR sectors
  - Enables critical contingency planning activities and resource allocation decisions
  - Helps ensure a seamless transition to NRP protocols in the event of a threat or an Incident of National Significance
NIPP Comment Receipt

- Comment Forms submitted via email to DHS
- All comments will be incorporated into Master Comment Tracking Matrix
- DHS has final responsibility for receiving and acting on Base Plan comments
The Sector Partnership Model represents a new level of collaboration between the private sector and government. The conceptual framework of the Model is laid out in the Interim National Infrastructure Protection Plan (I-NIPP) and has its foundation in NIAC recommendations.

DHS requested that the NIAC form a Working Group to develop advice and recommendations for the structure, function, and implementation of the Model.
NIAC: Approach

- Establish a NIAC Working Group and a related Integrated Study Group with representation from the NIAC, the Sector Coordinating Councils and DHS to review and assess the model and implementation options.
  - Sector-specific study groups are asked to provide feedback on the integrated group’s recommendations
- Complete actions outlined in discussion of Core Deliverables
Performance Management

First Round Reporting Topics

- Sector Governance/Coordination
  - SCC/GCC Status
  - Establishment of Sector Information Sharing Mechanism (e.g., ISAC; HSIN)
  - SSP Status (self-assessment on state of each Chapter)

- Risk Management Framework Activities
  - Asset Identification
  - Risk Assessment
    - Consequence Assessment
    - Vulnerability Assessment
    - Threat Assessment
  - Development and implementation of Protective Programs
Sample First Round Metrics

- **Sector Governance:**
  - Has the initial sector GCC meeting been held?
  - Does an Information Sharing mechanism (e.g., HSIN, ISAC) exist for the sector?
  - Please provide a self-assessment (red, yellow, green) regarding the status of development for each chapter of the SSP

- **Risk Management Framework Activities:**
  - Is there an agreed upon sector definition and NADB taxonomy?
  - How many sector assets are included in the NADB?
  - Does the sector have one or more widely used consequence screening methodologies?
  - Does the sector have one or more widely used vulnerability assessment methodologies?
  - Have CV/PI/PM reports or other best practices lists been developed for the sector?
Second Round Reporting Topics

- As NIPP and SSP development and sector CIP activities advance, additional metrics will be used to create more detailed allow reports
  - All first round metrics, plus
  - Additional metrics to give a more detailed picture of CIP activities

- While most first round metrics can be answered directly by SSAs, second round metrics will require SSAs to reach out to their Sectors

- Second round metrics will be shared with SSAs well in advance to provide sufficient time to perform the necessary data gathering

- Examples of new metrics:
  - Estimated percentage of Sector represented by members of SCC
  - Percentage of Sector assets that have performed VA
# Performance Management

## Sample Sector Scorecard

<table>
<thead>
<tr>
<th>U.S. Department of Homeland Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Analysis Infrastructure Protection</td>
</tr>
<tr>
<td>Protective Security Division</td>
</tr>
</tbody>
</table>

### Part 1: Governance

<table>
<thead>
<tr>
<th>Activity</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Establish Government Coordinating Council</td>
<td>Yes</td>
</tr>
<tr>
<td>Establish Sector Coordinating Council</td>
<td>Yes</td>
</tr>
<tr>
<td>% of Sector represented by SCC</td>
<td>80%</td>
</tr>
<tr>
<td>Establish Sector Info Sharing Mechanism</td>
<td>Yes</td>
</tr>
<tr>
<td>% of Sector participating in Info Sharing</td>
<td>85%</td>
</tr>
<tr>
<td>Establish Sector on-line sharing system</td>
<td>Yes</td>
</tr>
<tr>
<td>Establish Sector Security Goals</td>
<td>No</td>
</tr>
<tr>
<td>Prepare Sector Specific Plan</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Part 2: Risk Management Activities

<table>
<thead>
<tr>
<th>Activity</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop or adopt a top screen</td>
<td>Yes</td>
</tr>
<tr>
<td>% of Sector applying top screen</td>
<td>5%</td>
</tr>
<tr>
<td># of assets id'd as critical by top screen</td>
<td>n/a</td>
</tr>
<tr>
<td>Develop or adopt a VA methodology</td>
<td>Yes</td>
</tr>
<tr>
<td>% of critical assets to apply VA meth</td>
<td>50%</td>
</tr>
<tr>
<td>Develop or adopt a RA methodology</td>
<td>Yes</td>
</tr>
<tr>
<td>% of critical assets to apply RA meth</td>
<td>50%</td>
</tr>
<tr>
<td>% of critical assets deemed medium-risk</td>
<td>n/a</td>
</tr>
<tr>
<td>% of critical assets deemed high-risk</td>
<td>n/a</td>
</tr>
<tr>
<td>% of high-risk assets with a prot. prog.</td>
<td>n/a</td>
</tr>
<tr>
<td>% of medium-risk assets with a prot. prog.</td>
<td>n/a</td>
</tr>
<tr>
<td>% of assets reduced from high-risk</td>
<td>n/a</td>
</tr>
<tr>
<td>% of assets reduced from medium-risk</td>
<td>n/a</td>
</tr>
</tbody>
</table>

Note: Information provided is notional; no actual data was used.
### Performance Management

#### Sample Stop Light Chart

Note: Colors are notional; no actual data was used.

<table>
<thead>
<tr>
<th>Sector Status</th>
<th>Overall Governance Status</th>
<th>Overall Risk Management Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Asset Id</strong></td>
<td><strong>Risk Assessment</strong></td>
<td><strong>Protective Programs</strong></td>
</tr>
<tr>
<td>Chemical</td>
<td><img src="green.png" alt="Green" /></td>
<td><img src="yellow.png" alt="Yellow" /></td>
</tr>
<tr>
<td>Commercial Facilities</td>
<td><img src="red.png" alt="Red" /></td>
<td><img src="yellow.png" alt="Yellow" /></td>
</tr>
<tr>
<td>Energy</td>
<td><img src="green.png" alt="Green" /></td>
<td><img src="green.png" alt="Green" /></td>
</tr>
<tr>
<td>Emergency Services</td>
<td><img src="red.png" alt="Red" /></td>
<td><img src="green.png" alt="Green" /></td>
</tr>
<tr>
<td>Water</td>
<td><img src="green.png" alt="Green" /></td>
<td><img src="yellow.png" alt="Yellow" /></td>
</tr>
</tbody>
</table>

- **Green** = Item/activity is in good shape and/or is completed or near completion
- **Yellow** = Item/activity is in moderate shape, but there still is a fair amount of work to do
- **Red** = Item/activity is in poor shape or not yet underway, and there still is significant work left to do
Sample Risk Report Card (Quad Chart)

<table>
<thead>
<tr>
<th>Target Type: NPP (all)</th>
<th>Target Category: Comm Nuclear</th>
<th>SSA/Jurisdiction: DHS/PSD</th>
<th>Date: 6/30/2005</th>
</tr>
</thead>
</table>

**Benchmark Threats**

1. 
2. 
3. 
4. Classified Threat Stream 4
5. 
6. 
7. 
8. 
9. 
10. Classified Threat Stream 10
11. 
12. 
13. 
14. 
15. Classified Threat Stream 15

**Solutions**

<table>
<thead>
<tr>
<th>#</th>
<th>Threat</th>
<th>Type</th>
<th>Program</th>
<th>Provider</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>4</td>
<td>Comprehensive Review and resulting plan</td>
<td>PSD</td>
</tr>
<tr>
<td>2</td>
<td>10</td>
<td>10</td>
<td>Operation Neptune Shield</td>
<td>USCG</td>
</tr>
<tr>
<td>3</td>
<td>17</td>
<td>17</td>
<td>National Cyber Response Coordination Group</td>
<td>NCSD</td>
</tr>
</tbody>
</table>

**Deltas**

<table>
<thead>
<tr>
<th>#</th>
<th>Threat</th>
<th>Level</th>
<th>Proposal / Unfunded Program</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>20%</td>
<td>Require funding for Fire Boat program 13 sites</td>
<td>DHS</td>
</tr>
</tbody>
</table>
Performance Management

Tentative Timeline

1. Initial Performance Measurement Plan
2. SSAs work with all stakeholders to gather information necessary to respond to initial metrics request
3. Initial Metrics list and instructions distributed to SSAs
4. Initial metrics submission due to DHS
5. Submissions compiled into reports/charts
6. Compiled status report

Aug 1
Aug 15
Aug 31
Engagement with Energy Partners

- Government Energy Coordinating Council
- Electricity Sector Coordinating Council
- Oil and Gas Sector Coordinating Council

Next steps
- Industry and government writing teams
- Focus on report goals/ level of detail
- What’s new:
  - Industry vision of where it wants to be
  - Threat scenarios
Questions