

National Infrastructure Coordinating Center

Department of Homeland Security

Office of Infrastructure Protection



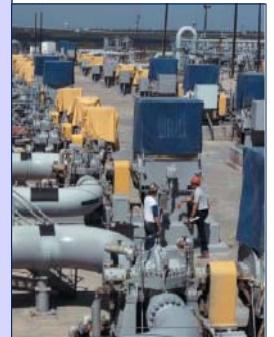
Background Briefing

April 2010

Overview of the National Infrastructure Coordinating Center

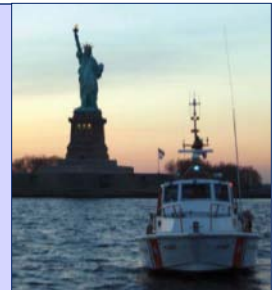
Mission

The NICC provides 24/7 integrated CIKR situational awareness, information sharing, collaboration, decision support, and future operations planning to DHS leadership and CIKR partners in order to reduce risk, prevent damage and enable rapid recovery of CIKR assets caused by natural disaster, attack or other emergencies



Vision

A safe, secure, and resilient critical infrastructure based on and sustained through strong public and private partnerships



Steady State Activities

- Provides operational and situational awareness of critical infrastructure
- Coordinates information sharing between government and industry partners

Incident Activities

- Serves as the Federal focal point for critical infrastructure reporting from Sector-Specific Agencies
- Collates situational and sector assessments from security partners

National Infrastructure Coordinating Center Components

The NICC is the operational component of the Office of Infrastructure Protection (IP) and is the critical infrastructure component of the National Operations Center.

The NICC is comprised of two key components:

NICC Watch

- **24/7/365 operations center that maintains operational awareness of the Nation's infrastructure**
- **Centralized mechanism for information sharing between the US government, SCCs, GCCs, and other industry partners**



Incident Management Cell

- **Focal point for infrastructure incident management during all operational phases**
- **Provides integrated situational awareness, decision support, operations management, and future operations planning**



The NICC maintains ongoing and incident-specific awareness

NICC Watch

Incident Management Cell

Distinguishing Functions

- Situational awareness
- Information sharing and collaboration
- Information triage and assessment
- Alert and warning
- National Level Reporting

- Incident-specific situational awareness
- Decision support
- Course of Action (COA) development
- Executive briefing support

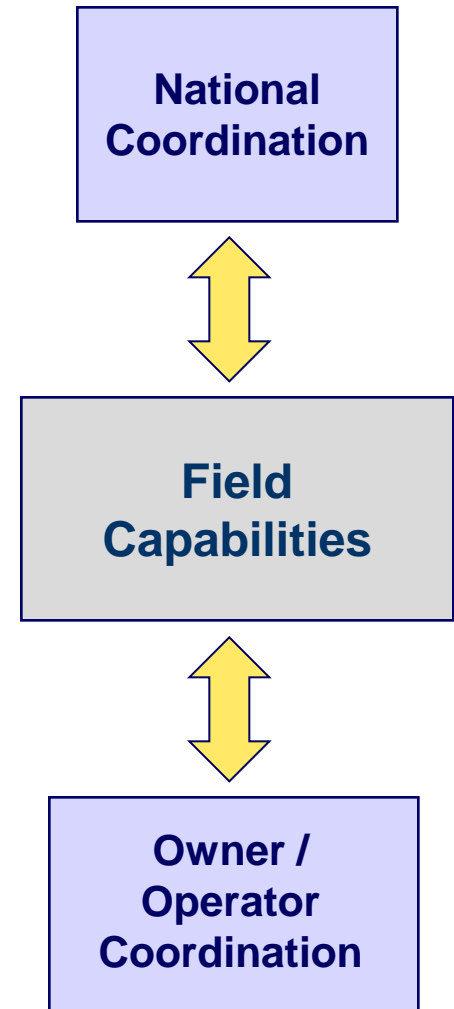
Location

- Freedom Center in Herndon, VA
- Co-located with the Transportation Security Operations Center (TSOC)

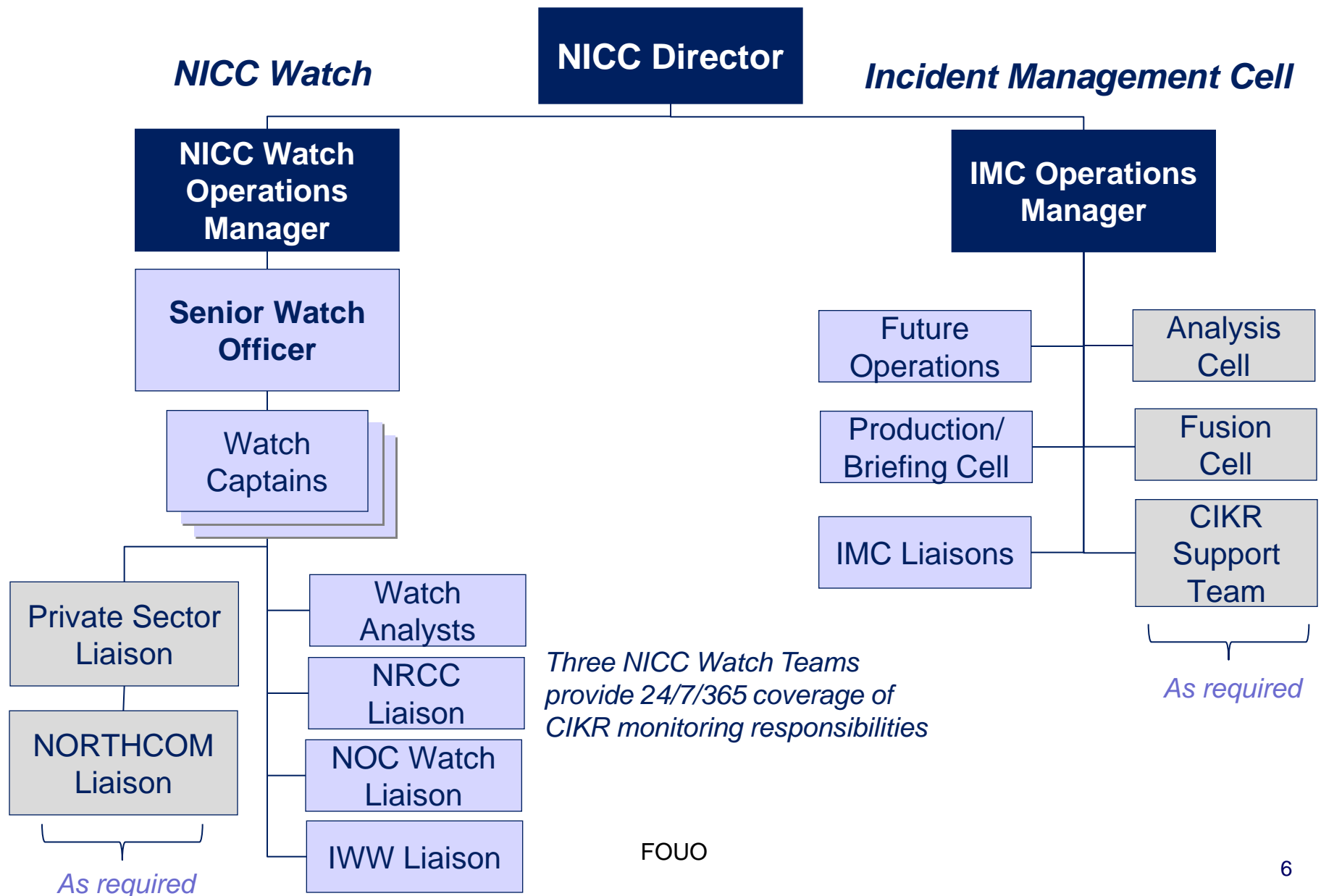
- Nebraska Avenue Complex (NAC) in Washington, DC
- Currently based in Arlington, VA

The NICC has a range of core functions and capabilities

Situational Awareness	Collects, maintains, and shares information about threats to infrastructure
Information Sharing and Collaboration	Integrates and disseminates relevant information throughout the critical infrastructure partnership network
Assessment and Analysis	Evaluates infrastructure data for accuracy, importance, and implications
Decision Support	Provides timely recommendations to critical infrastructure partners and DHS leadership
Future Operations	Supports decisionmaking for actions required 24-72 hours pre- and post-incident or event



Organizational Structure of the NICC



The Watch provides several types of situational awareness

Steady State Activities

Information Sharing

- Manages Homeland Security Information Network Critical Sectors (HSIN-CS) content
- Responds to Requests for Information
- Coordinates Requests for Assistance
- Disseminates reports to Critical Infrastructure stakeholders

Situational Awareness

- Tracks incidents
- Distributes the Daily Sector Pulse
- Develops Current Situation Reports
- Manages Suspicious Activity Reports

**NICC
Watch**

Alert and Warning

- Provides alerts and warnings to partners
- Carries out “Golden Hour” drills
- Uses IP Executive Notification Service
- Coordinates teleconferences with critical infrastructure owners and operators

National Level Reporting

- Provides critical infrastructure input to DHS Common Operational Picture
- Contributes to Senior Leadership Briefs
- Creates Critical Infrastructure Situation Reports

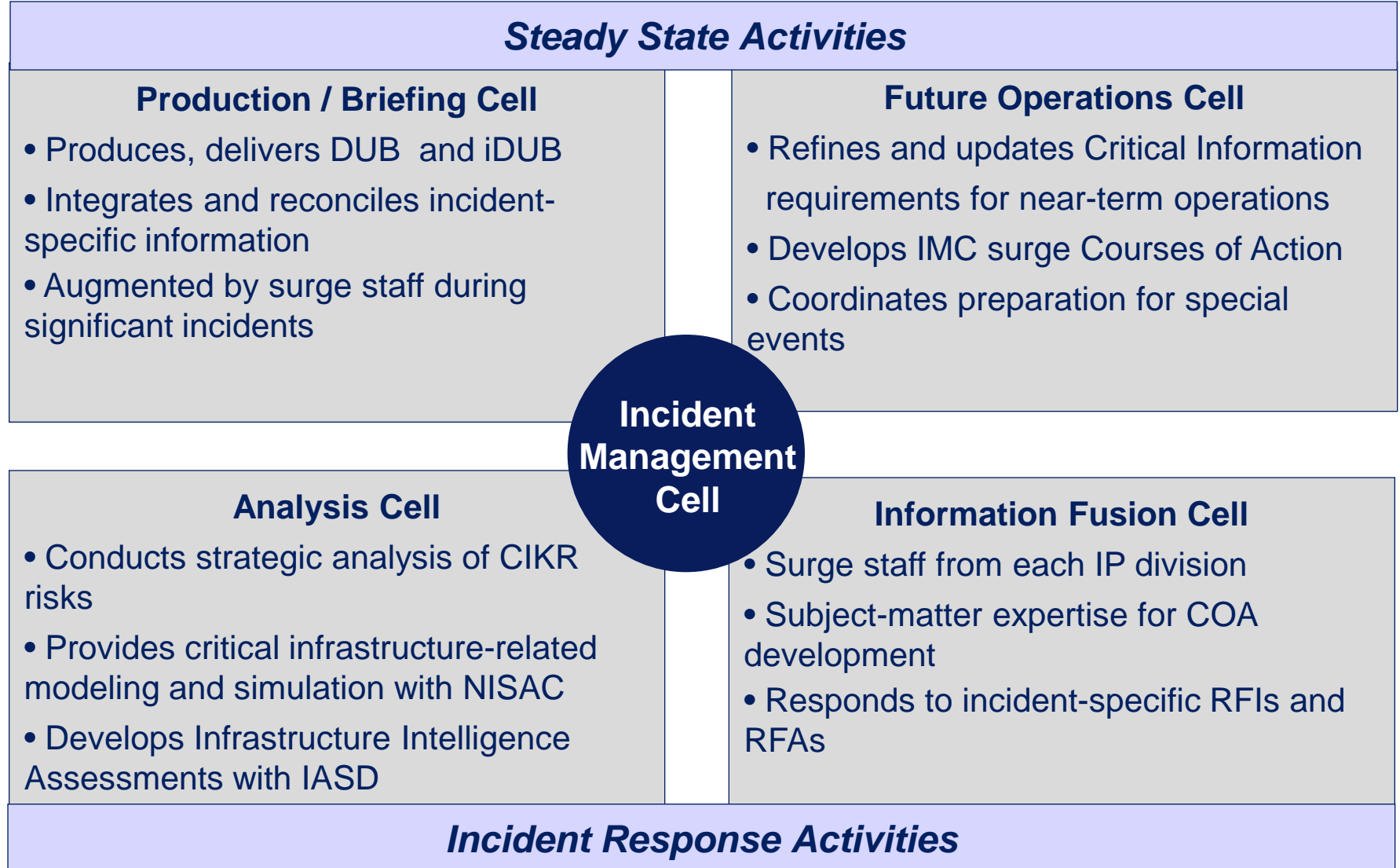
Incident Response Activities



**Homeland
Security**

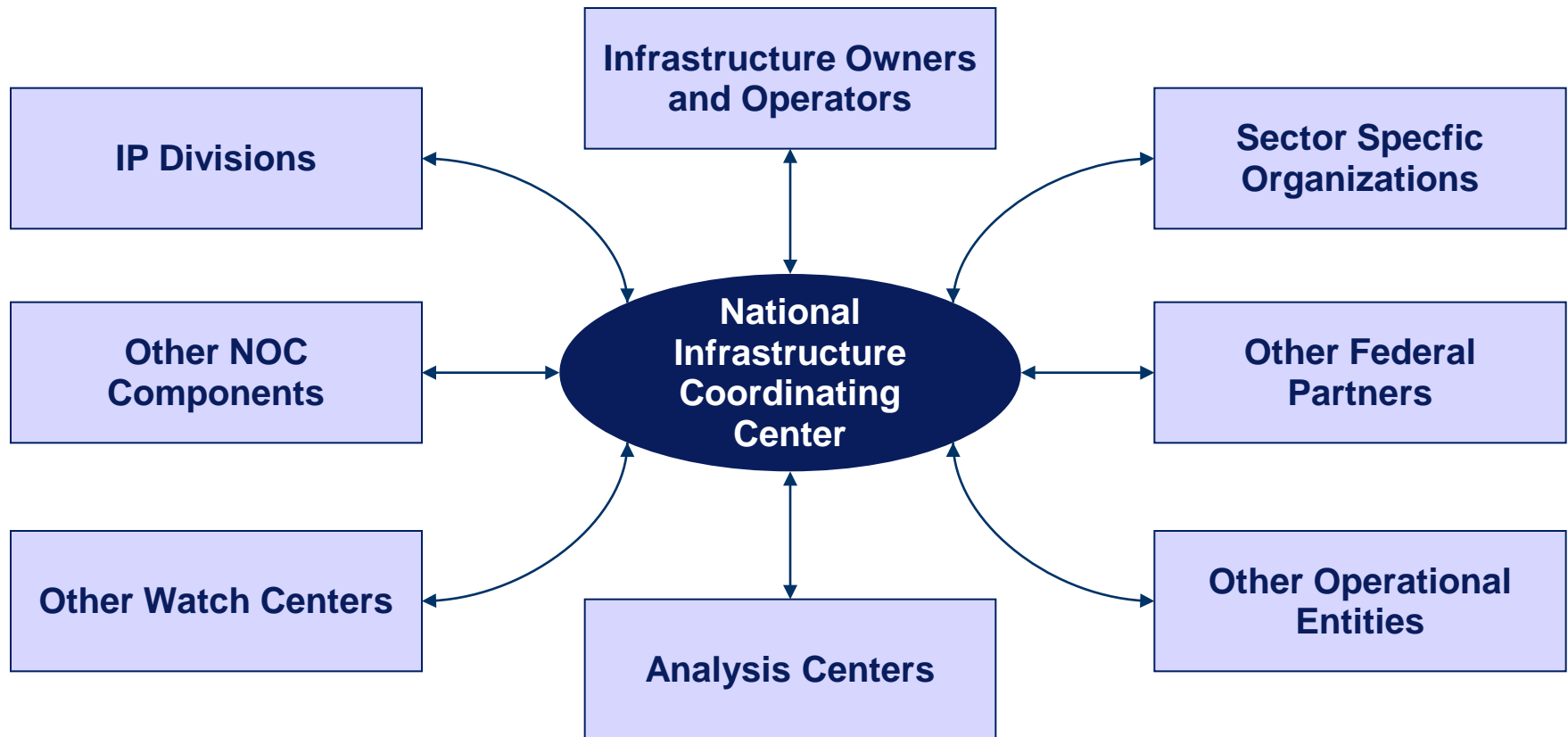
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The IMC is comprised of several situation-specific teams



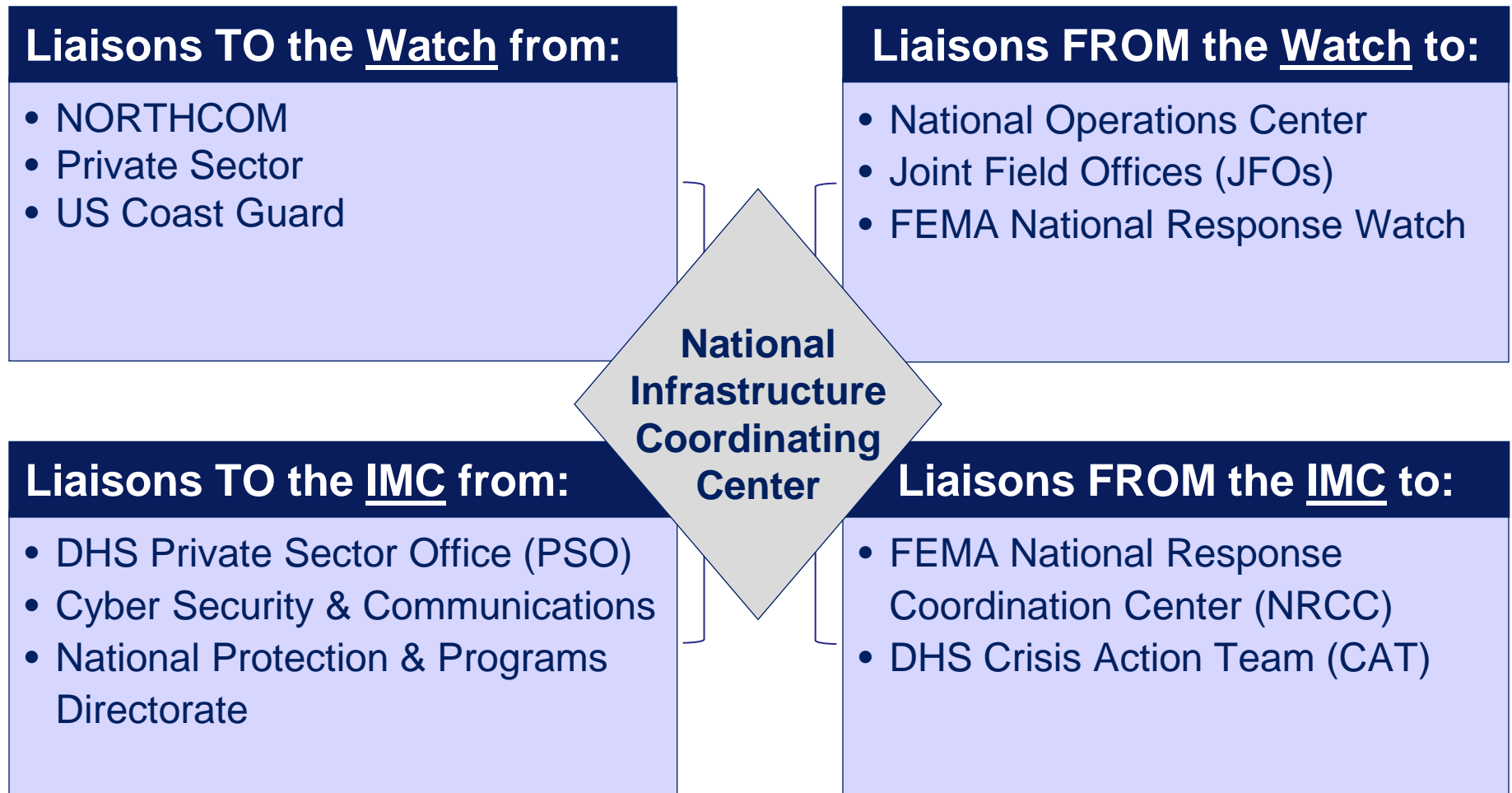
The NICC operates within a network of partnerships

The NICC provides a centralized mechanism for information sharing between a range of government and industry partners.



Interagency liaisons serve a dual role for the NICC

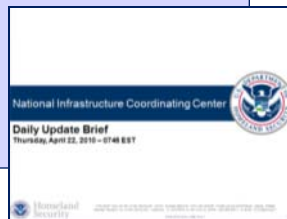
The NICC serves as an information hub for DHS by collecting information and sharing information with critical infrastructure partners.



Products developed and disseminated by the NICC

Leadership Briefings

- National Level Reporting Products
- Incident Daily Update Briefs
- Daily Update Briefs



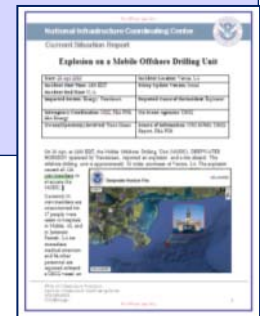
After Action Reviews (AARs)

- Incident After Action Reviews
- Exercise After Action Reviews

The image shows a form titled 'After Action Review Reporting' for an 'Aviation Incident on April 5, 2010'. It includes a section for '1. A comprehensive and detailed timeline of your office's response actions and responses to the incident.' followed by a table with columns: 'TIME', 'ACTION TAKEN', and 'PARTICIPANT/OUTCOMES'. Below the table is a section for '2. A plain language summary of what your office considers to be its best communication and coordination practices as well as those areas where your office believes there could be improvement to how your component communicates and coordinates in the wake of a significant incident.'

Reports

- Critical Infrastructure Quicklooks
- NICC Daily Sector Pulse
- NICC Current SITREP
- NICC Spot Reports
- Situational Awareness E-mails
- Patriot Reports
- PSA Spot Reports



The NICC utilizes various tools to maintain CIKR awareness

Master Watch Control Log

- Provides automated tools to record, manage, and monitor information reported to the NICC

ARCMaP

- Geospatial-intelligence tool providing an integrated architecture for information dissemination, analysis, and visualization

Executive Notification Service (ENS)

- Enables leadership to notify infrastructure representatives of meetings, critical events, changes to threat levels, or emergencies

DHS Earth

- Provides a user-friendly, 3-D visualization and rapid data integration capability
- Based on the Google Earth platform

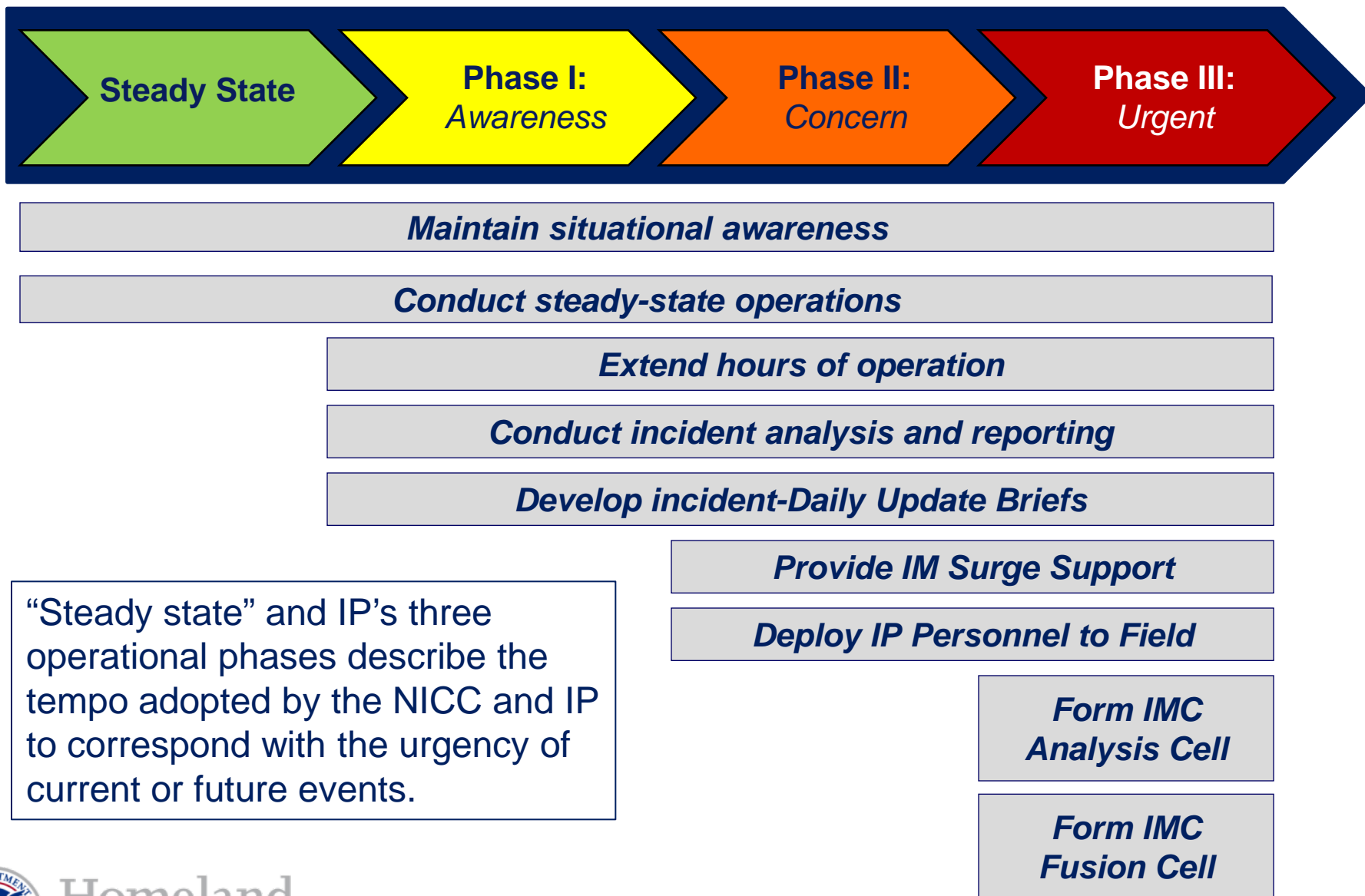
Homeland Security Information Network

- NICC-generated products and other authorized reports are posted to HSIN

Teleconferences and E-mail

- Conference calls are arranged for a variety of topics and can be set up within minutes

IP Incident Management Operational Phases



The NICC is the hub for infrastructure incident management

Hurricane Ike caused damage from Texas to the Florida Panhandle.

- *Caused \$24 billion in damage; 3rd costliest tropical cyclone in US history*

Hurricane Gustav caused damage in Haiti, the Dominican Republic, Jamaica, the Cayman Islands, Cuba, and the United States.

- *Triggered the largest evacuation in US history (3 million people)*



NICC Response

- Responded to 300+ RFIs from government and private sector entities
- Provided critical infrastructure expertise to the National Operations Center
- Deployed infrastructure support teams to Infrastructure Liaisons
- Provided incident-specific briefings and iDUBs to IP and NPPD leadership



Contact Information

NICC Leadership

- **Shawn Graff**, *NICC Director*
- **David Higginbotham**, *IMC Manager*
- **James Kliner**, *NICC Watch Manager*



Learn More

- www.dhs.gov/criticalinfrastructure
- (202) 282 - 9201



Contact Us

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Thank you!



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