

TISP Briefing for Hampton Reads SAME Post

Determining the Priorities & Making the Investments

Oct 17, 2012
Virginia Beach, VA



THE INFRASTRUCTURE SECURITY PARTNERSHIP

"The Partnership Improving the Resilience of the Nation's Infrastructure" © 2001 - 2011 ¹



Who is TISP?

- ❖ Public Private Partnership modeled as a coalition
- ❖ Formed in September 2001 by 11 federal agencies, not-for-profits and companies to focus on security of the built environment
- ❖ Society of American Military Engineers is the current Secretariat
- ❖ Mission: Advancing policy and practice to improve the resilience of our nation and infrastructure
- ❖ Over 12,000 individuals listening



TISP 2012 – 2013 Events

- The Critical Infrastructure Symposium
 - 2010: 65 attendees; 2011: 137 attendees
 - 2012: 150 attendees; 2013: HELP IT GROW
 - April 15-16, Thayer Hotel, West Point, NY
- Regional Workshop Series: Community Mitigation Strategy & Infrastructure Investment Prioritization
 - St. Louis * Ft. Worth * San Francisco * Great Lakes * Seattle * New England * Tampa Bay
 - Held in DC and Tampa already



TISP 2012 – 2013 Events

- Annual Meeting
 - Track of sessions & Committee Meetings in SAME Regional Conference
 - Annual Strategic Planning Meeting with Board of Directors and Committee Chairs
- 2012 South Atlantic and South Central Joint Engineering Training Symposium
 - October 2-4, Tampa Convention Center, Tampa Bay, Florida
 - Focus on Mitigation and Recovery



TISP Committees

- Engineer, Construction & Architecture
 - Guidance and Guide to Resilience Standards
 - Risk Model to Measure Community Resilience
- Academic and Education
 - TICS Program
 - Identifying Professional Development Needs
- State and Local Agencies
 - Guidance for Recovery Planning
 - Capabilities and Resources
 - May merge with the Emergency Preparedness Cmt.



National Resilience Coalition

- National Resilience Coalition
 - Co-founders: TISP, ASCE & Security Analysis and Risk Management Association (SARMA)
 - Resilience is now bigger than TISP
 - Objective 1: Refocus NPS on Risk Management Approaches
 - Objective 2: Building Consensus for Resilience
 - Objective 3: Connect to Federal Agencies



Workshop Series Focus

- Regional, community, and infrastructure resilience challenges associated with all hazards.
- Identifying issues, concerns, options, recommendations and actions.
- Public , Private and Other Stakeholders
- Nationwide workshops across U.S.
 - Mid-Atlantic, West, Southeast, Midwest & Northwest



Workshop Series Schedule

- Workshop Series Venues Scheduled:
 - Washington, DC hosted by Booz Allen Hamilton (September 7, 2012)
 - Tampa Bay, FL hosted by South Atlantic/South Central SAME Regional Posts (October 3, 2012)
 - St. Louis, MO hosted by Scotts Field SAME Post (February 4, 2013)
 - San Francisco, CA hosted by the Bay Area Center for Regional Disaster Resilience (Mid-February)
 - Wisconsin and Great Lakes Region hosted by the Great Lakes Hazards Coalition and Lake Michigan and Detroit Posts (May)
- Additional Venues to be Announced in the Following Cities or Regions:
 - Fort Worth/Dallas, TX
 - Seattle, WA
 - New England Region



Workshop Series Background

- Localities and state governments across the U.S. have been partnering with private sector and other stakeholders to improve regional and community resilience through identifying and fill gaps to better prepare for, and mitigate vulnerabilities associated with interdependent infrastructures.
- Some of the most important preparedness shortfalls are associated with inefficient and deteriorating infrastructure that pose significant hazards under normal conditions and would be especially vulnerable under stressed conditions.
- Since the American Society of Civil Engineers first came out with its Report Card of America's Infrastructure in 2005, there has been wide recognition that much of the infrastructure underpinning our nation's communities are in poor condition and need improvement.



Workshop Series Objectives

- Highlight intersection of regional and community resilience and how to develop and implement a risk-based strategy supported by public-private partnership to enhance and improve infrastructure.
- Raise awareness of key issues and decision points that regional stakeholders need to take into account when determining infrastructure resilience-based mitigation actions.
- Identify criteria and model mechanisms for public-private collaborative decision-making on priorities, investment needs, and funding arrangements.
- Discuss other available tools and unavailable capabilities to assist in development and implementation of regional collaborative infrastructure resilience mitigation strategies.



Workshop Series Discussions

- Discuss resources provided by the Federal Government to states and public private partnerships which are intended to support Whole Community.
- Discuss essential values of structural and operational resilience in lifeline systems and components to facilitate core functions and core services during preparation, response and recovery disaster phases.
- Discuss and highlight regional resilience solutions and strategies
- Discuss and highlight case studies in infrastructure and community resilience and mitigation



Workshop Series Deliverables

- Comprehensive Draft and Final Reports:
 - Summary of issues, discussions, common threads and concerns
 - Sited resources and references
 - Major Options and Considerations
 - Recommendations
 - Future Considerations



NIBS Tools



Federal Agencies

- High Performance and Integrated Design Resilience Program Databases and Tools
 - tools to provide guidance on building and infrastructure high-performance design and protection, risk assessment, and mitigation against multi-hazard events.
 - reduce physical damage to structural and nonstructural components of buildings and critical infrastructure
 - reduce resultant casualties from impact by manmade and natural disaster events.

<http://www.dhs.gov/high-performance-and-integrated-design-resilience-program-databases-and-tools>



Integrated Rapid Visual Screening of Buildings

- Assessing the risk to a building from natural and human-caused hazards that have the potential to cause catastrophic losses (fatalities, injuries, damage, and business interruption)
 - preliminary risk assessment rating
 - completed in a few hours
 - identify the level of risk for a single building
 - identify the relative risk among buildings in a community or region
 - prioritization tool for further risk management activities



Owner Performance Requirements (OPR) Tool

This Web-based tool allows owners to analyze a range of high-performance requirements (**safety, security, energy conservation and renewal, environmental sustainability, durability, continuity of operations, and cost benefit**) to meet their business case/model or mission.

Owners evaluate the effects of changing goals and select the optimal envelope performance objectives for their proposed building.

The OPR Tool lets owners set requirements, view results, understand interactions and cost, and develop an analysis-based plan for the design team. This tool is currently under construction and will be released in the fall of 2011.

Developed by the National Institute of Building Sciences



Advanced and High Performance Materials Database (AMD)

This database allows for the overall coordination of the research and development of advanced and high performance materials.

It provides a platform for the systematic organization of advanced materials through the documentation and **search ability** of their **high-performance properties**.

These advanced and high-performance materials will offer increased resiliency by providing enhanced adaptation, absorption and recovery after catastrophic and disruptive events.

Developed by the National Institute of Building Sciences



Threat and Hazard Identification and Risk Assessment

- A needs and resources assessment for local, tribal, territorial, and state homeland security and emergency management partners.
 - **Identify the threats and hazards of concern** - *What could happen in my community?*
 - **Give the threats and hazards context** - *Describe how a threat or hazard could happen in my community, and when and where it could happen.*
 - **Examine the core capabilities using the threats and hazards** - *How would each threat or hazard affect the core capabilities identified in the National Preparedness Goal?*
 - **Set capability targets** - *Using the information above, set the level of capability a community needs to prevent, protect against, mitigate, respond to, and recover from its risks.*
 - **Apply the results** - *Use the capability targets to decide how to use resources from the Whole Community.*



Questions

- Do these tools help to integrate private and public sector needs to inform prioritization of community investments for resilience?
- How are communities communicating risk with neighboring communities to improve National Preparedness?
- Are these programs going to make a difference for the privately owned facilities and assets we need for response and recovery?



Workshop Series...

THANK YOU FOR YOUR TIME
AND
CONTRIBUTION!