Building Resilient Regions & Infrastructure through Risk-Based Mitigation:

Determining the Priorities & Making the Investments
Who is TISP?

- Established in 2001 by 11 professional and technical organizations and federal agencies.
- Leads public and private sector collaboration that advances the practice and policies of regional and infrastructure security and resiliency to sustain the nation’s resources.
- Collectively, TISP represents nearly two million individuals with organizations that are involved in the planning, design, construction, and operation of infrastructure.
- Primary objective is to create a collaborative and coordinated environment to enable a more secure and resilient infrastructure.
- Our mission is to lead public and private sector collaboration to advance the practice and policy of regional and infrastructure security and resiliency.

“Improving Resilience of the Nation’s Infrastructure”
SAME is Secretariat

• Secretariat functions include:
  – Staffing and performance measurement
  – Event development and marketing support
  – Budget and Revenue Management
  – Administrator of Membership Functions

• American Society of Civil Engineers (ASCE) served as the secretariat between 2001-2008

• Secretariat functions transferred to (Society of American Military Engineers (SAME) in October 2008
Society of American Military Engineers (SAME)

- **Mission**: to promote and facilitate engineering support for national security by developing and enhancing relationships and competencies among uniformed services, public and private sector engineers, and related professionals.
- **Formed** “in the interest of National Defense... bringing together all phases of U.S. engineering, [in both the] civil sector and military, for the advancement of knowledge...and the rapid mobilization of engineering capabilities.” -The Charter of the Society of American Military Engineers, founded in 1920.
- SAME has 114 post around the world
- SAME Readiness and Homeland Security Committee
Members & Partners

– Over 125 active organizations providing volunteers who serve on the Board of Directors & Committees and support TISP activities.
– Over 500 organizations participate in TISP events annually.
– Increasing number of Website visits, e-Newsletter recipients, and meeting attendees.
– Increasing requests for TISP technical publications (e.g. Regional Disaster Resilience Guide).
New Committee Structure
TISP maintains a unique position as a national leader in regional and infrastructure resilience with a diverse knowledge base and membership of organizations representing businesses, infrastructure owners, local, state and federal agencies, as well as academic institutions and not-for-profit professional societies. The RIRC brings leaders and experts together to perform as a national asset facilitating dialogue on security and resilience, including public policy and technical solutions. The committee is responsible for the activities to achieving the TISP Strategic Goal 1. Some the activities include:

– Organize TISP collaboration with federal government partners via such meetings as the Federal Resilience Programs Briefing events.
– Develop the agenda for each of the Regional Resilience Workshop Series
– Assemble a Strategic Plan for Infrastructure System Resilience.
TISP mission includes providing leadership in national public and private sector collaboration to advance the practices and policies of regional and infrastructure security and resilience. The PPCC seeks strategic partnerships and relationship to integrate new ideas and knowledge on the topics of security and resilience from a broad range of stakeholders. The PPCC collaborates on issues and leverages the collective technical expertise and research and development capabilities of the TISP membership covering all areas including planning, design, and construction. The committee is responsible for the activities to achieving the TISP Strategic Goal 2. Some the activities include:

- Facilitating the Regional Resilience Partnerships Coalition – a partnership for growing partnerships.
- Supporting the TISP staff in implementing it Marketing Plan and making new strategic relationships with not-for-profits, companies, and agencies.
The KSEC is concerned with the teaching, training, and research of what makes our regions and infrastructure secure and resilient to all forms of hazards and threats. The committee will explore how Full Spectrum Resilience can be implemented to enable physical, socio-cultural, financial and natural systems to adapt in order function at all times. The committee will also raise awareness and promote a common understanding among stakeholders of the importance of disaster resilience education and training. The committee is responsible for the activities to achieving the TISP Strategic Goal 3. Some the activities include:

- Working with our partners, develop certification programs for building resilient infrastructure and developing a cross-training emergency management professional and volunteer.
- Conducting The Critical Infrastructure Symposium as a collaborative learning community comprised of students, educators, practitioners and government officials all engaged in developing the next generation of critical infrastructure protection and resilience leaders, technologies and strategies.
- Coordinate the development of an online knowledge resource center and gateway library for regional and infrastructure resilience.
The ISMRC brings together leaders in the design, construction and management of commercial, federal and institutional infrastructure (including facilities) to collaborate on the implementation of safety, security, and sustainability measures; to facilitate discussion of safety and security standards harmonization; and to collaborate on security design criteria for new construction, repair, rehabilitation and modernization projects. The committee is responsible for the activities to achieving the TISP Strategic Goal 3. Some the activities include:

- Collaborating with standard setting organization on developing a framework of technical and procedural standards for implementing resilience and working with agencies to develop policies and local codes.
- Develop a guide offering principles and practices for resilient building system design.
Regional Workshop Series
Mitigation Strategies

- Risk-Based proactive actions to build community and regional resilience and only reactive to minimize disaster impacts
- Situational and Domain Awareness of all lifeline infrastructures – known critical paths and timelines
- Partners and Leaders come together to identify, plan for, and reduce vulnerabilities and promote long-term personal, community and regional resilience via locally-focused implementation
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 5, 2013)
  – Fort Worth/Dallas, TX hosted by Dallas SAME Post & USACE (April 2013)

• **Additional Venues to be Announced in the Following Cities or Regions:**
  – Portland, OR hosted by Portland SAME Post
  – New England Region hosted by National Disaster Preparedness Coalition
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 Objectives

• 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
National Dialogue Findings

• Doctrine, Strategy and Frameworks
• Policy and Legislation
• Finance and Partnerships
• Risk Assessment and Information Sharing
• Cultural Factors

“Think of Resilience as the Immune System of our Nation.” ADM Thad Allen
TISP Events

• Great Lakes and Ohio Valley SAME JETS
  – Oct. 16-18, 2013: Rock Island, IA

• Webinars

• Regional Resilience Workshop Series

• The Critical Infrastructure Symposium
  – Apr. 15/16, West Point, NY
  – 2014: Apr. 16/17, Colorado Springs
Public Private Partnerships

• OBJECTIVES OF PUBLIC-PRIVATE PARTNERSHIPS
  – educate the public, business sector and the community
  – track best practices / lessons learned from exercises and disasters and make them implementable actions;
  – facilitate preparedness, response and recovery collaboration, planning, and operations;
  – to ensure the best interests of the public, the business sector and the community are served through an appropriate allocation of risks and returns between partners.

• LEARN More via FEMA’s EMI Training Courses for Public Private Partnerships [IS-660 and IS-662]
Public Private Partnerships

• Types of Groups
  – Regional Coalitions and Operational Partnerships
    • Great Lakes Hazards Coalition
    • All Hazards Consortium
    • South East Emergency Response Network
    • Pacific Northwest Economic Region
    • Bay Area Center for Regional Disaster Resilience
  – State Coalitions and Operational Partnerships
    • Colorado Emergency Preparedness Partnership
    • North Virginia Regional Partnership
    • Southern West Virginia Preparedness Partnership
  – Infrastructure Sector
    • Virginia Public Health Association
    • Chicago FIRST
Public Private Partnerships

- Types of Groups (Con’t)
  - Profession or Function
    - Suffolk Partnership
    - Strategic Engagement Group
    - Public Risk Management Association
    - SPUR
  - Community Service Oriented
    - New York City Food Bank
    - Virginia Baptists Partnership
    - Fairfax County Auxiliary Police
    - U.S. Coast Guard Auxiliary
    - Community Action Partnership
Public Private Partnerships

• Corporate Coordination
  – Greater Reston Chamber of Commerce
  – Business Executives for National Security

• Public Sector Coordination
  – Illinois Business Emergency Operations Center
  – Fairfax County Office of Public Private Partnerships
  – CalEMA Office of Public Private Partnerships

• For-Profit Partnerships
  – Transurban
EP&IR Streamer 2013
METRICS FOR WINNING STREAMER:

- **Small Post (0-175 members):** Meet 2 required elements and 1 of 5 Desired Elements
- **Medium Post (176-450 members):** Meet 2 required elements and 2 of 5 Desired Elements
- **Large Post (451+ members):** Meet 2 required elements and 3 of 5 Desired Elements
- **Streamer with Distinction:** Meet all required and all desired elements
EP&IR Streamer

- *(Required)* One or more Post members have completed IS-100.b (ICS) level training in the past three years.

- *(Required)* Post member makes a presentation on Emergency Preparedness and Infrastructure Resilience issues or best practices to a SAME, TISP or other organization’s conference.
• **(Desired)** Conduct outreach to a minimum of three Federal, State, Local agencies or NGOs to provide them copies of the *SAME Directory of Member Companies and Organizations* or equivalent document developed by a Post, and the *TISP Regional Disaster Resilience Guide* (2011 Edition) and explain their value.

• **(Desired)** Conduct or participate in an Emergency Preparedness Workshop as a Post or jointly with other SAME Posts.

• **(Desired)** One or more Post members have completed eight hours of training including but not limited to IS-200.a (ICS) or IS-700.a (ICS 700).
EP&IR Streamer

• *(Desired)* Send a Post Emergency Preparedness Committee member to a TISP sponsored conference.

• *(Desired)* One or more Post members serve on one or more of the TISP committees.
Discussion for 2014 EP&IR Streamer