Expand/Enhance a Regional Common Operating Picture for Disaster Resilience Utilizing Data Driven Decision Making

Situational Awareness

The All Hazards Consortium (AHC) and its public/private sector stakeholders of the Multi-State Fleet Response Working Group continue to work directly with end-users through a working group comprised of representatives from the electric, finance, telecom, transportation, and government sectors. This project will impact every company or government agency at any level that is relies on rapid restoration of critical infrastructure (e.g. electric power, fuel, communications, and transportation) following disasters or other disruptive incidents.

The challenge today is there is a wealth of technology but not enough integration/coordination of systems, which severely limits information sharing and trust between public/private sectors. As this project develops in the private sector, it will create regional planning frameworks around the country, facilitated by qualifying public-private partnership organizations. These organizations will convene public/private stakeholders in working efforts to identify regional issues, as well as jointly produce short, mid and long-term solutions/tools/apps that will be professionally packaged and offered to public and private sector stakeholders using both free- and fee-based business models.

Project Overview

The AHC's primary goal is the continued development and sustainment of a sensitive information sharing framework and its regional common operating picture/solutions that support critical infrastructure resilience by enhancing operational coordination and sensitive information sharing between government and the private sector during disasters.

The AHC will build on the successful components of several other National Infrastructure Protection Plan (NIPP) Challenge projects outputs; enhance trust via improved Cyber/Data security; and create a new vision for a "Regional Unity of Effort" with operational entities (government and private sector) through data-driven based decision making processes, tools and apps.

Next Steps

The AHC has 10 years of experience in commercializing processes and solutions. Transition will be accomplished through a proven process and strategy that will be incorporated into the project from the very beginning. The AHC's model has shown that private sector participation in the electric sector has brought on investments from a large nationwide electric sector association

(EEI), electric companies, banking companies as well as product enhancements by DHS S&T, FEMA, and NOAA.

The process will engage private sector stakeholders in discussions focused on the following;

1) Validate this capability to address real-world operational issues;
2) Validate that this capability can be easily incorporated into their operational systems, planning, and exercises;
3) Ensure that the private sector understands that this solution "complements" (not replaces) any of their existing systems or investments;
4) Estimate cost savings and/or avoidance realized by this solution;
5) Agreement on the clear operational and financial value propositions for the private sector;
6) Develop business models that will establish a financial base for which a service can be developed and/or integrated into a larger service offering in the future.

New geo-collaborative technology dashboard to provide common operating picture (Source: DHS)

This project will provide a mechanism for sensitive information to be shared via a common operating picture/apps by leveraging and integrating other's technology and investments for public/private benefits. Technology innovation occurs in several areas in this project. They include:

1) Enhancement to the previous project's technologies that provide for enhanced and simplified visualization of data in the Sensitive Information Sharing Framework and Daily Disaster Dashboards, which will improve common operating picture tools and simplify access to them;
2) Implementation of technology that will better integrate sector use cases which will simplify overall use and increase data security;
3) Leveraging new innovative technology to increase SISE speed and performance.