



Emergency Interoperability (EI) Summit: Facilitating Emergency Response Using Open Standards InterOp

Demo of OASIS CAP/EDXL Standards

2009 NIEM National Training Event
Track 6
Wednesday, September 30, 10:00 a.m.–1:00 p.m.
and 5:30 p.m.–7:30 p.m.
Thursday, October 1, 9:45 a.m.–1:00 p.m.

The OASIS Emergency Interoperability Summit InterOp showcases applications and tools that support OASIS Emergency Management standards, including the Common Alerting Protocol (CAP) and the Emergency Data Exchange Language (EDXL) suite of standards. The demonstration will confirm that there is much to be gained from interoperable software solutions, not only in terms of cost reduction and operational effectiveness for the Emergency Management (EM) community but also in terms of marketability and access to a broader market for software tool developers.

Demonstration Participants

During the demonstrations, industry experts and government officials will speak about the various ongoing projects and the critical need for interoperable solutions.

Sponsors-Level Members and Scenario Partners



FEMA

DHS Science and Technology



Contributors and Associate-Level Members



Solace Systems



Emergency Interoperability Summit InterOp Scenarios

Thirteen organizations will work together to demonstrate how CAP and EDXL standards can be used by many different authorities, responders, broadcasters, and other services providers to enact a concerted, coordinated emergency response.

- I. Train wreck with chemical leak:
 - a. There will be a train wreck that has chlorine tank cars.
 - b. The chlorine will leak and create a chlorine cloud.
 - c. A CAP message from the train sensor will be generated.
 - d. A HazMat team will be dispatched to the scene.
 - e. The Incident Commander will request that an Emergency Alert System (EAS) notice be sent to the local community to evacuate because of the severity of the chlorine cloud.
 - f. The local Emergency Operations Center will issue an EAS notice that will be sent via the CAP v1.1 wrapped in an EDXL-Distribution Element (DE), and an EAS notice will be activated via sirens, TV, e-mail, cell phones, and radio.
 - g. Several firefighters will suffer injuries and need to be sent to the hospital.
 - h. Emergency Medical Technicians will use the EDXL Hospital Availability Exchange (HAVE) wrapped in the EDXL-DE to determine the best medical facility to transport the injured.
- II. Strong thunderstorms with possible tornados are now impacting the area:
 - a. The National Weather Service issues a tornado warning with a CAP message.
 - b. An alert to the target area for tornados will be displayed via a geographic information system (GIS); message is sent via CAP with polygon information.
 - c. An AMBER Alert from NIEM IEPD will be generated and sent wrapped in the DE, which any vendor should be able to receive and display.

Emergency Managers Reception

A special demonstration and cocktail reception will be held on Wednesday, September 30, from 5:30 p.m. to 7:30 p.m. in Track 6 (Emergency Interoperability Summit Room) for all NIEM Emergency Track attendees and other interested parties.

Stop by the demo area between 10:00 a.m. and 1:00 p.m. on Wednesday to pick up a reception pass from any of the InterOp participating organizations. Attendance will be limited to those with reception passes.

Upcoming InterOp Demonstration

The next InterOp Demonstration will be held at the International Association of Emergency Managers (IAEM), October 31–November 5, 2009, in Orlando, Florida.

For More Information

Interested in getting involved in future CAP/ EDXL InterOp demonstrations, growing the marketplace for CAP/EDXL products, and/or participating in the development of future emergency standards? Contact dee.schur@oasis-open.org for information on joining OASIS.

<http://www.oasis-emergency.org/>