Emergency Management Technical Committee (EMTC)

CAP Implementation Workshop
30 September 2020
Elysa Jones, Chair  OASIS
Emergency Management Technical Committee
Emergency Interoperability Member Section
Agenda

- Overview of Specifications
  - Emergency Data Exchange Language (EDXL)
- Common Alerting Protocol (CAP)
  - Event Terms List
Emergency Data Exchange Language (EDXL)

EDXL is a family of standards, providing a common language, or interface, for data exchange across emergency-related systems

- Common Alerting Protocol (CAP)
  - Emergency alerts, notifications, and public warnings
- Distribution Element (EDXL-DE)
  - Wrap and route any emergency information (XML and non-XML)
- Resource Messaging (EDXL-RM)
  - Emergency resource information
- Hospital Availability Exchange (EDXL-HAVE)
  - Hospital status, services, resources
- Tracking of Emergency Patients (EDXL-TEP)
  - Emergency patient and EMS tracking information
- Situation Reporting (EDXL-SitRep)
  - Situation / incident / event and response information
- Tracking of Emergency Clients (EDXL-TEC)
  - Emergency Evacuee tracking and Shelter information
Overview – CAP Object Model

- Simple
- Extensible
- Flexible
- Human Readable
- Powerful
Introduction

- OASIS EMTC CAP SC has developed a list of “event” terms for use in alert messaging systems.
- The event terms list has been created at the request of international CAP users.
- The approach to developing the list has been to focus on how the list can help when comparing event terms.
- Many alerting authorities have their own terms that work well in the communities they serve.
Background – CAP Design

- CAP is designed to convey information associated to an event of interest.
- An “event” is something that happens in a given place during an interval of time.
- The varied uses of the required “event” element inhibits interoperability.
- The typing of the subject event is left for communities that use CAP to define.
- An “event type” often embodies notions of impact.
- An “alert” is a signal to heighten attention.
- An “alert type” engages a social aspect.
Event Terms

▪ What event types are alert-able is the decision of a community of users.
▪ Properly referencing subject events to an event type is an aspect of effective communication.
▪ One group cannot possibly pick the best term for known event types.
▪ The event terms list will be large and every growing to accommodate a variety of interpretations.
▪ CAP event type codes can help support auto processing.
▪ CAP XML supports the final audience as well as processing along the distribution path.
▪ The CAP category element also plays into the decision-making element in CAP
Event Term Spectrums

- Alerting authorities are most concerned about the social aspect of alerting.
- Terms can be very specific or very general regarding what information is to be conveyed.
Spectrum Considerations

- Past, present and future spectrum

- Urgency spectrum

- Intersecting spectrums
Spectrum Concept

- A spectrum is a grouping of terms is brought together under one defined range to provide a means of comparing terms.
- Related terms
- Narrow terms
- Terms vs preferred terms
- Other language terms
- Other lists
Event Terms List

- A list of “event” terms for use in alert messaging systems.
- Submitted event terms
- What event terms will be added to the list
- What event terms will not be added to the list
Procedures

- OASIS Committee Note
- Intended audience
  - Originators with no local Event Terms List and no local Event Code list
  - Originators with no local Event Terms List but with a local Event Code list
  - Originators with a local Event Terms List but with no local Event Code list
  - Consumers that prefer to process the <event> element in a CAP message
  - Consumers that prefer to process the <eventCode> element in a CAP message
- Dealing with requests for new terms or codes
Next Steps

▪ Event Terms Committee Note – Nov 1, 2020
▪ Subject Matter Expert Meeting – Dec 4, Dec 11
▪ Finalize and Publish Committee Note – 1Q2021

▪ Next Work Product for the CAP SC
  – Practices guide for mobile device CAP alerts
References

▪ OASIS Home Page: www.OASIS-open.org
▪ All approved EDXL specifications: http://docs.oasis-open.org/emergency/
▪ EDXL Overview Video: https://www.youtube.com/watch?v=7eoV5XwZVO8
▪ CAP Logo: http://docs.oasis-open.org/emergency/edxl-cap-logo/
Questions

Elysa Jones, EMTC Chair
elysajones@yahoo.com