# Emergency Management Technical Committee 2019 Update

GET2019 - CAP Day

March 5, 2019

Elysa Jones, Chair

elysajones@yahoo.com      +01 256-694-8702

# Agenda

*Organization for the Advancement of Structured Information Standards (OASIS)*
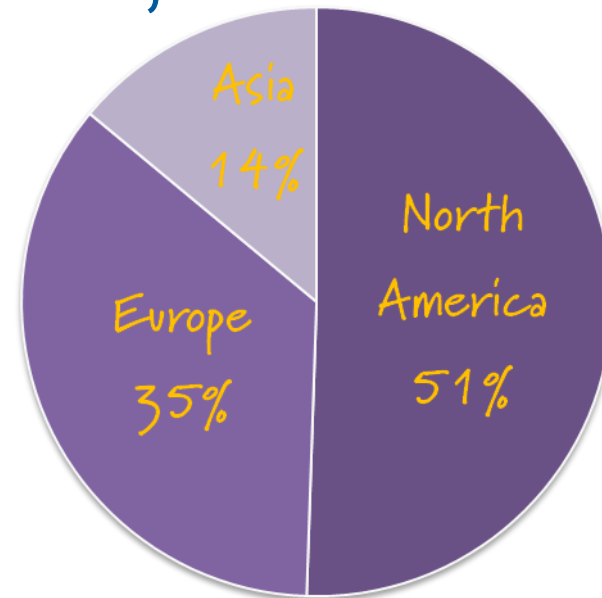*Emergency Management Technical Committee (EMTC)*

- **OASIS Overview**

- **Specifications of the EMTC**

- **Common Alerting Protocol Subcommittee Activities**

  - **Current**

  - **Upcoming**

- **References**

Create your standards fairly, transparently, and make them global

OASIS is a global community of experts who drive the creation and adoption of open standards and open source projects promoting interoperability, innovation, and freedom of choice.

# Established presence, Current agenda

- Nonprofit consortium

- Founded 1993

- Global

  5,000+ participants
  600+ orgs & individuals in 100+ countries

- Home of 70+ Technical Committees

- Broad portfolio of standards: security, privacy, Cloud, M2M, IoT, content technologies, energy, eGov, legal, emergency management, finance, Big Data, healthcare, + other areas identified by members

Asia 14%

Europe 35%

North America 51%

# Internationally recognized

- EU classifies OASIS as "one of the top three ICT consortia".

- EU Regulation 1025/2012 allows OASIS specs to be referenced in public procurement

- OASIS is permanent member of EC's European Multi-Stakeholder Platform on ICT Standardization

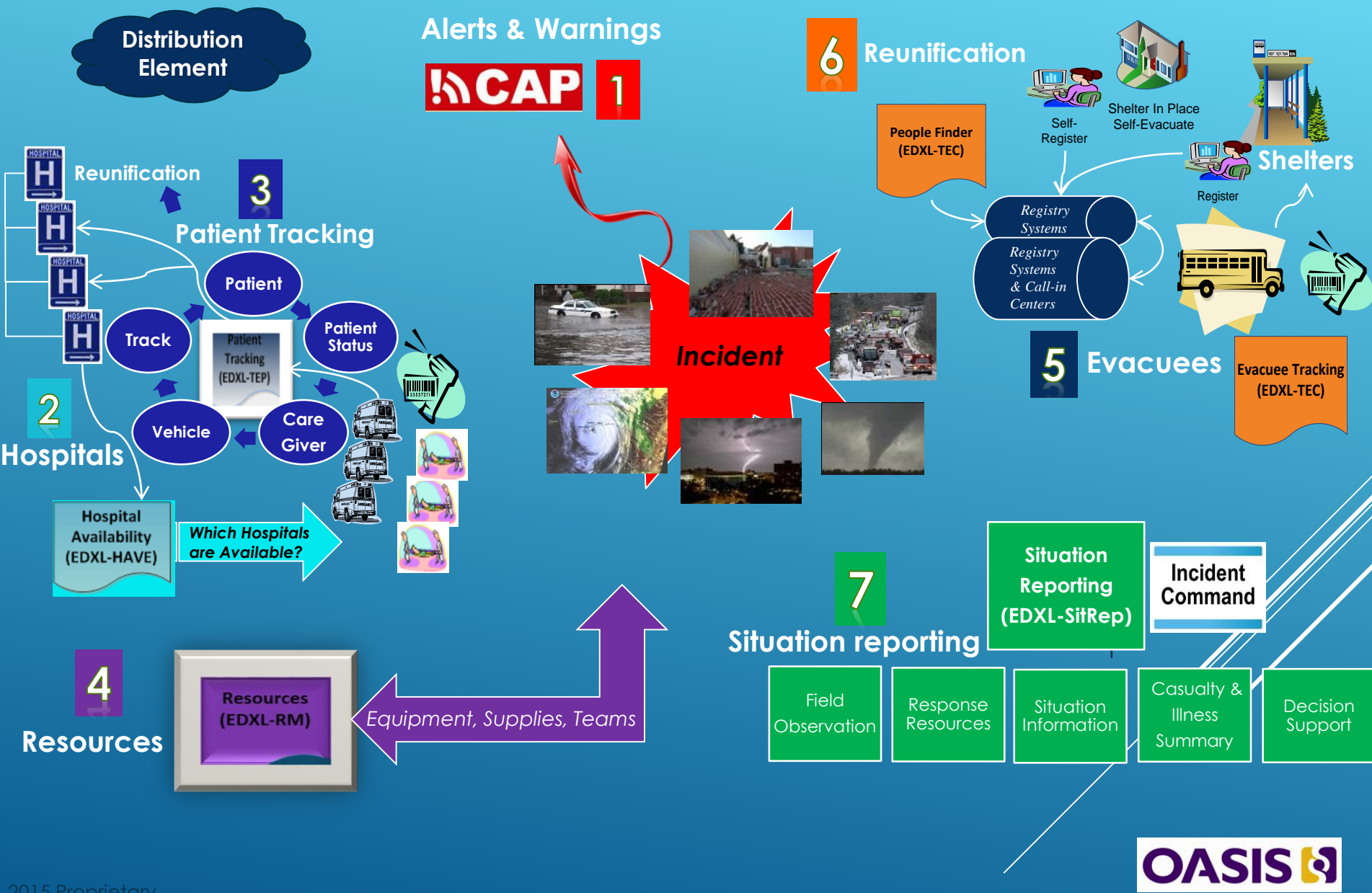- OASIS TC Process is ANSI-accredited.

# OASIS → de jure

| OASIS Standard | Also Approved As: |
|---|---|
| Advanced Message Queuing Protocol (AMQP) | ISO/IEC 19464 |
| ebXML Collaborative Partner Profile Agreement | ISO 15000-1 |
| ebXML Messaging Service Specification | ISO 15000-2 |
| ebXML Registry Information Model | ISO 15000-3 |
| ebXML Registry Services Specification | ISO 15000-4 |
| Security Assertion Markup Language (SAML) | ITU-T Rec. X.1141 |
| Extensible Access Control Markup Language (XACML) | ITU-T Rec. X.1142 |
| OpenDocument Format (ODF) | ISO/IEC 26300 |
| Common Alerting Protocol (CAP) | ITU-T Rec. X.1303 |
| Computer Graphics Metafile (WebCGM) | W3C WebCGM |

*Underway: EDXL/HAVE at HL7, UBL at ISO/IEC, searchRetrieve at ISO, EnergyInterop at IEC; Submissions soon: OData, XLIFF, MQTT*

# EDXL family of Emergency Management Standards

**Distribution Element**

**Alerts & Warnings**
CAP **1**

**6 Reunification**

People Finder (EDXL-TEC)

Self-Register

Shelter In Place Self-Evacuate

Register

**Shelters**

Registry Systems

Registry Systems & Call-in Centers

**5 Evacuees**

Evacuee Tracking (EDXL-TEC)

Reunification

**3 Patient Tracking**

Patient

Track

Patient Status

Patient Tracking (EDXL-TEP)

Vehicle

Care Giver

**2 Hospitals**

Hospital Availability (EDXL-HAVE)

*Which Hospitals are Available?*

*Incident*

**4 Resources**

Resources (EDXL-RM)

*Equipment, Supplies, Teams*

**7 Situation reporting**

Situation Reporting (EDXL-SitRep)

Incident Command

Field Observation

Response Resources

Situation Information

Casualty & Illness Summary

Decision Support

OASIS

# 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

# CAP Subcommittee Activities Current

- **Event List**
  - Process/Approach. An OASIS Committee Note (CN) format will be used to publish the event list.  The SC has taken all received input, logged it in JIRA and are working through a list of broad and narrow terms to be included. Some good background material has been contributed  by Environment Canada for use in the CN.  The review of existing terms is drawing to a close with only a few dozen remaining.  We have some additional input to take into account as provided by New Zealand.  A second pass through the list will then be done to include expert review from IFRC and NIST before closing the work.  A draft is scheduled for release in 2019.

# CAP Subcommittee Activities Upcoming

**■ Upcoming work**

- CAP 1.2 errata – Minor updates

- Practices guide updates (Some content captured and ready for drafting)

- Practices guide for wireless emergency alerts

- CAP 2.0 (decision:  no work planned)

# References

- OASIS Home Page:  www.OASIS-open.org

- Emergency Management Technical Committee Home Page:  https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=emergency

- All approved EDXL specifications:  http://docs.oasis-open.org/emergency/

- EDXL Overview Video:  https://www.youtube.com/watch?v=7eoV5XwZVO8

- EDXL Overview Video (Italian):  https://vimeo.com/234306686?utm_source=email&utm_medium=vimeo-cliptranscode-201504&utm_campaign=29220

- CAP Logo:  http://docs.oasis-open.org/emergency/edxl-cap-logo/

- Practices Guide Elements:  http://docs.oasis-open.org/emergency-adopt/cap-elements/

- Practices Guide Feeds: http://docs.oasis-open.org/emergency-adopt/cap-feeds/

# Questions



Elysa Jones elysajones@yahoo.com