Emergency Management Technical Committee 2019 Update

CAP Implementers Workshop
October 18, 2019
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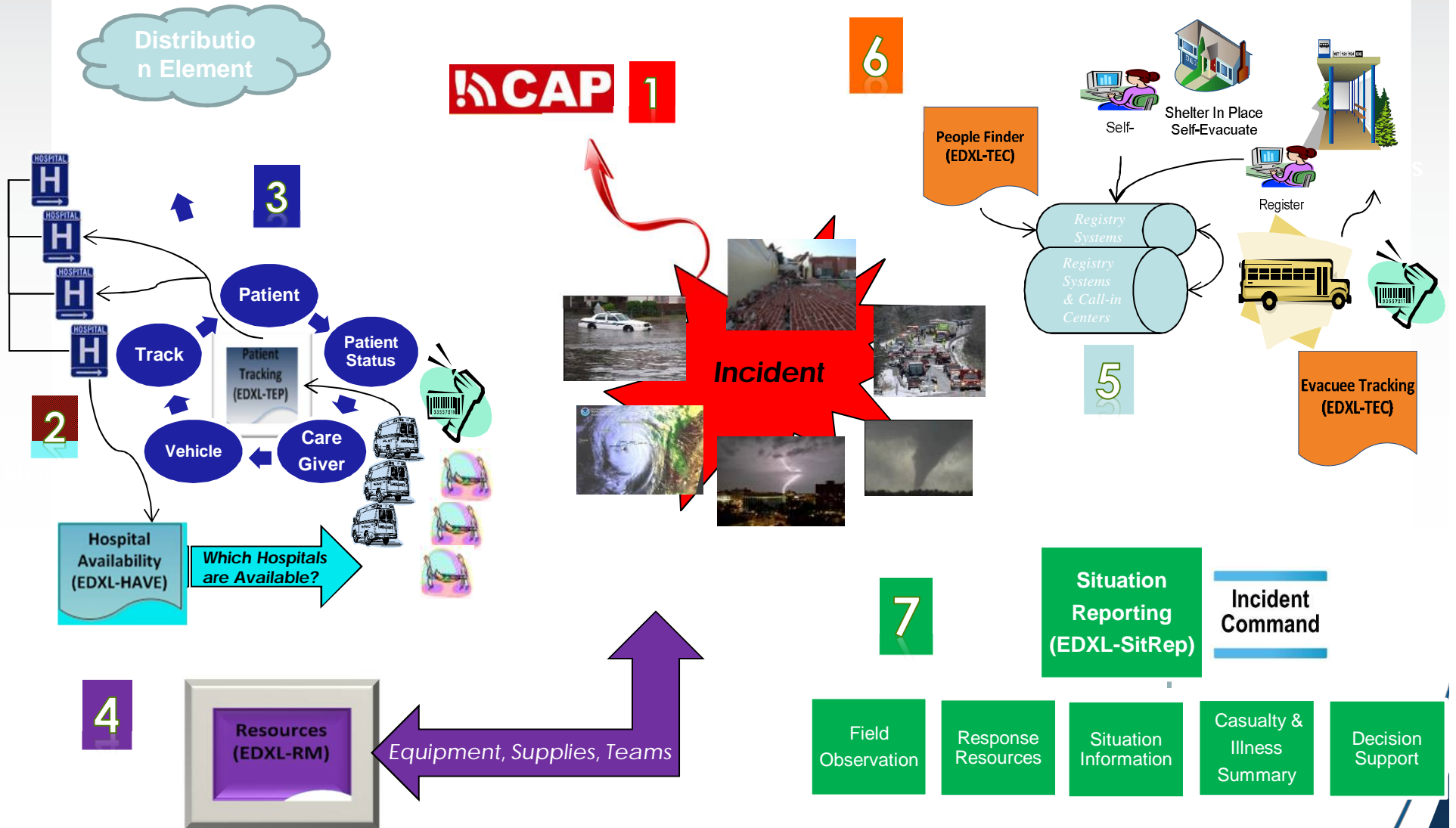
Agenda

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

- **EDXL Suite of Standards**

- **EMTC Structure and Activities**

- **Guiding Principles**

- **Standards Adoption**

- **References**

EDXL family of Emergency Management Standards

Distribution Element

CAP 1

6

People Finder
(EDXL-TEC)

Self-
Shelter In Place Self-Evacuate

Register

3

H HOSPITAL
H HOSPITAL
H HOSPITAL
H HOSPITAL

Patient

Track

Patient
Tracking
(EDXL-TEP)

Patient
Status

Vehicle

Care
Giver

Registry
Systems

Registry
Systems
& Call-in
Centers

5

Evacuee Tracking
(EDXL-TEC)

Incident

2

Hospital
Availability
(EDXL-HAVE)

*Which Hospitals
are Available?*

Situation
Reporting
(EDXL-SitRep)

Incident
Command

7

4

Resources
(EDXL-RM)

Equipment, Supplies, Teams

| 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, ![CAP] 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)**
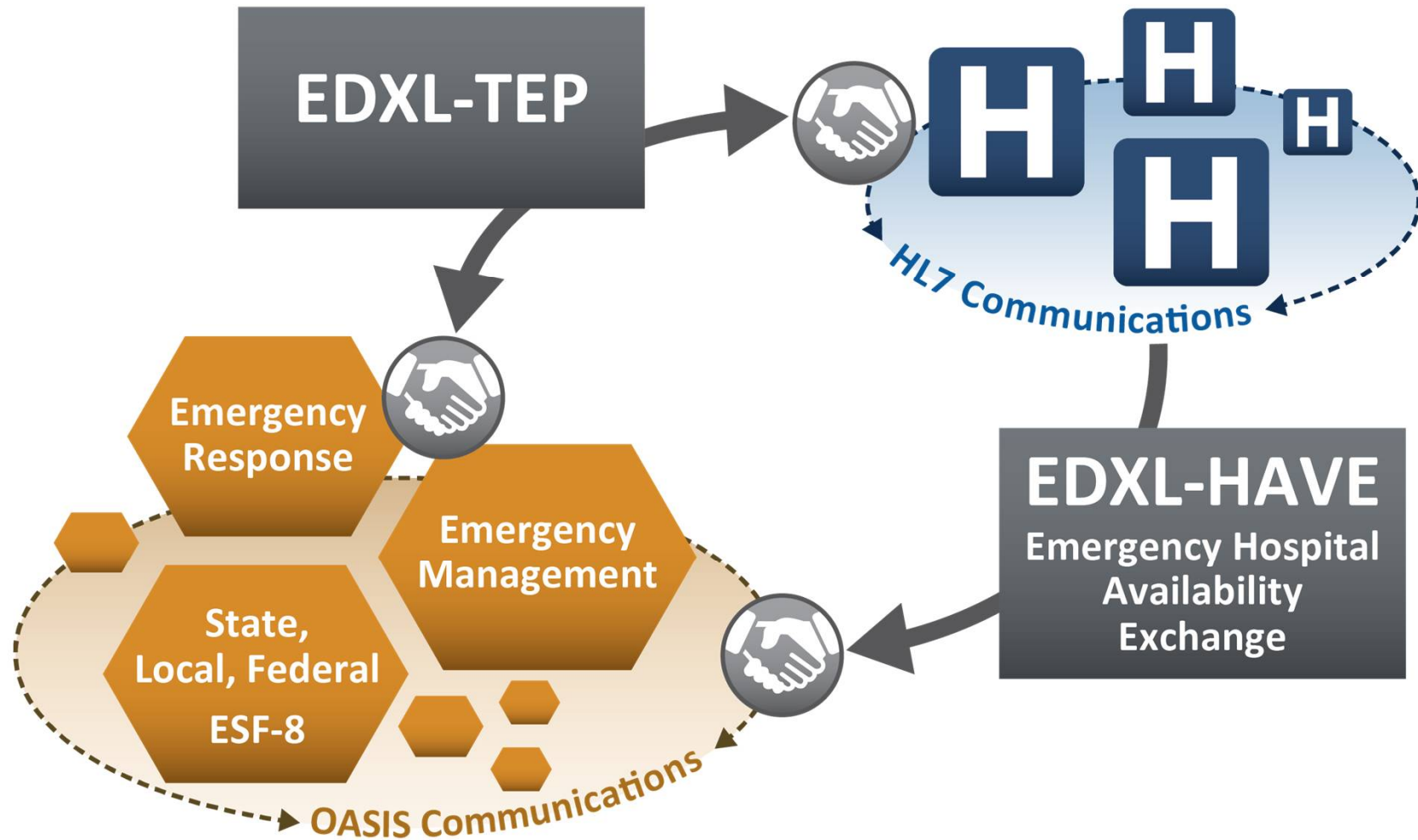 - Emergency Evacuee tracking and Shelter information

EMTC Structure and Activities

The EMTC has the following active subcommittees

- **Common Alerting Protocol (CAP)**

  - Event Terms List

- **Reference Information Model (RIM)**

  - JSON Representations for EDXL Suite

  - EDXL Toolkit

  - EDXL Guiding Principles

- **Infrastructure**

  - EDXL Distribution Element (DE) promotion to HL7

- **Tracking of Emergency Patients (EDXL-TEP)**

  - Joint HL7 Release

  - Statements of Use

  - ISO TC 215 Proposal

- **Hospital AVailability Exchange (EDXL-HAVE)**

  - Joint HL7 Release

  - Statements of Use

  - ISO TC 215 Proposal

TEP and HAVE Context
Continuum of Patient Movement

EDXL Guiding Principles

Goal: A Modern Emergency Management Framework (EMF) Based on Guiding Principles using EDXL

- Principle 1: Empower people to obtain and secure their own personal data.

- Principle 2: Empower people to share information with each other in an emergency.

- Principle 3: Emergencies don't respect government or organizational boundaries.

- Principle 4: Any and all levels of "emergency" response should be supported, from the national, state and local or tribal jurisdictional context.

- Principle 5: All phases of an emergency should be supported including planning, situational awareness, action, assessment and recovery.

- Principle 6: Smart devices should be supported by EDXL as a common language that is interoperable, flexible and extensible.

EDXL Guiding Principles cont'd

Goal: A Modern Emergency Framework (EMF) Based on Guiding Principles using EDXL

- Principle 7: The modern EDXL-based EMF should include working software that includes both a front end running on smart devices and backend support services to serve as a reference implementation.

- Principle 8: The EMF should be an open-source, community effort, supported by, but independent of, any third-party organization or government.

- Principle 9: The EMF should provide an open architecture to enable users, organizations, partners to expand support and extend the basic framework capabilities.

- Principle 10: The EMF should be freely available to all at no cost.

EMTC Standards Adoption

- Health Level 7 (HL7) – Sept 2019
  - Joint HAVE and TEP work complete
  - Distribution Element next
- CAP Workshop – October 2019
  - CAP Event Terms
- International Association of Emergency Managers (IAEM) – November 2019
  - Pre-conference training day Nov 16 featuring the EDXL Framework toolkit
  - Booth during EMEX

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

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