
http://sourceforge.net/projects/iosa-edxl-rm/

Presented by Rex Brooks
Open Source EDXL-RM Goals

- Sample Implementation Aimed at Developers for Adaptation to Customized Installations
- Provide all Required and Most Optional Elements
- Provide Minimum Database with Companion DB Management Application
- Provide Basis for Jurisdictions to Understand Basic EDXL Concepts of Distribution Element (EDXL-DE) with Content Payloads such as EDXL-RM and EDXL-HAVE
- Provide Basis for Combining Geospatial Applications with EDXL-RM
- Provide Basis for Developing Graphical Interface that doesn’t Require Operators to Spend Time Keyboarding Inputs During Exercises and Actual Incidents
The Role of Emerging Open Standards in the National Response Framework:
Standards Acronym List

- **OASIS**: Organization for the Advancement of Structured Information Standards
  - CAP: Common Alerting Protocol
  - EDXL-DE: Emergency Data Exchange Language Distribution Element
  - EDXL-RM: Emergency Data Exchange Language Resource Messaging
  - EDXL-HAVE: Emergency Data Exchange Language Hospital Availability Exchange
  - SOA-RM: Reference Model for Service Oriented Architecture
  - SOA-RA: Reference Architecture for Service Oriented Architecture
  - ebXML Registry-Repository: Electronic Business using eXtensible Markup Language
  - CIQ: Customer Information Quality
  - oBIX: Open Building Information Xchange

- **Open Geospatial Consortium**
  - GML: Geography Markup Language
  - ‘geo-oasis’: Profile of GML for use with OASIS Specifications
  - SensorML: Sensor Markup Language
  - CityGML: City Geography Markup Language

- **Web 3D Consortium**
  - X3D: ISO standard XML-based file format for representing 3D computer graphics
  - GeoX3D: GeoPositionInterpolator Node of X3D

- **Miscellaneous**
  - BIM: Building Information Modeling
  - NBIMS: National Building Information Modeling Standard
What are Emerging Standards?

- ‘Emerging’ Means ‘Becoming Manifest’ or ‘Becoming Known’ Sounds ‘Sudden’
- OASIS Conducts Approval Ballot October 16-31, 2008 for EDXL-RM 1.0 and EDXL-HAVE 1.0
- First Submissions to OASIS Emergency Management Technical Committee (OASIS EM TC) in August, 2005
- ‘Emerging’ Not Necessarily ‘Disruptive,’ can be ‘Well-Timed’ When Business & Public Prepared for ‘Emerging’ Technology
EDXL-RM Timelines

Timeline for Practitioner Subject Matter Expert Group – EDXL Project Team – 5 Months

3/14/2005

4/1/2005

5/1/2005

6/1/2005

7/1/2005

8/1/2005

8/12/2005

This period cited only for the development of the submitted document.

Timeline for OASIS EM TC Work on EDXL-RM – 3+ Years

Write specification & prepare documentation for first 60-day public review

8/12/2005

1/1/2006

1/1/2007

1/1/2008

Address issues; prepare documentation for second public review

2/15/2008 - 4/15/2008
Second 60-day public review; result = 12 issues

4/15/2008 - 6/20/2008
Address issues; prepare for third public review

6/20/2008 - 7/5/2008
Third 15-day public review

7/5/2008 - 10/1/2008
Prepare & submit final document for OASIS approval ballot
Standards From Outside Emergency Management TC Also Required

- OASIS Customer Information Quality (CIQ) Specifications Used in EDXL-RM & EDXL-HAVE
  - Name (extensible Name Language - xNL),
  - Address (extensible Address Language - xAL),
  - Name and Address (extensible Name and Address Language - xNAL) &
  - Party (extensible Party Information Language - xPIL)
Emergency Management Standards Support National Response Framework

- EDXL-RM & EDXL-HAVE Provide Measurable Resource Parameters for Readiness, Preparedness Web 2.0 Analytics
- EDXL-Reference Information Model (EDXL-RIM) to Add Ontology of EDXL-Family for Semantic Web Support
- EDXL-RIM to Provide ‘Blueprint’ Level of Abstraction, to Implement SOA Reference Architecture
  - SOA Reference Architecture Subcommittee Working 1st Public Review Issues Now
- EDXL-RIM Provides Explanation of EDXL Methods such as Keyword-Identified ‘ValueListURN-Value’ Pairs
  - Aid for New Specifications and New Versions in EDXL-Family
Next Steps in Standards

- **OASIS EM TC:**
  - Profiles such as the Emergency Alert System (EAS)-CAP Profile Under Development
  - Extensions
  - EDXL-Situation Reporting in the Practitioner Steering Group Now
  - EDXL-Asset Tracking Under Consideration
  - Next Versions: CAP 1.2 or 2.0 (Undecided); EDXL-DE 2.0

- **Open Geospatial Consortium**
  - ‘Geo-OASIS’ Profile of GML for use with OASIS Standards
Start Page of EDXL-RM Sample Implementation: EDXL-DE
Messages May Contain Multiple Resource Units & Resource May Contain Multiple ScheduleTypes

Sample Implementation:
3 Resource Units per Form
3 ScheduleTypes per Resource

(Example Images Show only 2 Resources in Example Form Page)
Individual Records in Contact, Resource, Response, Schedule Info Categories can be Created, Edited and Deleted from Their Category Pages, (Contact Info Shown as Example.)

Individual Records can be Selected through their respective Add-Info Page for including in the EDXL-RM Message that is Being Created.
EDXL-RM-Complete MySQL Database
Participants

Rex Brooks, rexb@starbourne.com 510-898-0670
Starbourne Communications Design – http://starbourne.com

David Coggeshall ibcomm@aol.com
Golden Gate Safety Network – http://caview.org
Includes: San Francisco Communications & Map Lab Project

Michelle Raymond michelleraymond@gmail.com
Knowledge Services