



Disaster Management PMO DM-OPEN Requirements for Initial Operating Capability (IOC)

12/17/2008



Homeland
Security



Agenda

- What has been happening?
- Where are we going?
- IOC Interfaces:
 - NWEM (HazCollect) - Implemented
 - CAP 1.1- Improved
 - EDXL-DE – expanded.
 - Next Steps (after IOC)

Our Focus
today!



What has been happening?

- Over a year of “hiatus.”
- Formal assessment underway.
 - Not if the mission should be accomplished.
 - But how to ensure the mission is accomplished.
 - Exhaustive and detailed.



Where are we going?

- IOC – in parallel with the assessment.
 - An Improved Platform of Real Value for Interoperability Developers
 - September 2009 is the plan.
 - Don't hard-code the cmiservices.org URL



IOC – NWEM (HazCollect)

- interopdev interface is available for development and testing.
- Your client must be an approved NWS “Warning Authority.”
- Developer guide available at www.disasterhelp.gov/disastermanagement



IOC – CAP 1.1

- Current CAP 1.1 capabilities maintained
- May also provide document-centric Interfaces
- Would like document-centric capability applied to NWEM CAPs as well.



EDXL-DE The Distribution Element

- A Wrapper for transport that allows virtually any content to be routed through DM-OPEN.
- OPEN's use is still in the "crawl" stage.
 - Directed Distribution only.
 - Limited retrieval criteria.
- We want to move it forward.
- The following slides provide proposed requirements. (3 of the 21 requirements to follow are current capabilities.)



Value List URNs

- DM-OPEN shall provide Interfacing Systems with Value list content for known URN's usable in DM-OPEN Characterization tags.
- DM-OPEN shall, whenever possible, obtain Value List Content dynamically from its authoritative source through a Servicing System.
- DM-OPEN shall provide one or more Reference Type Lists appropriate for use by each EDXL-DE tag employing a Value List URN structure.



Interest Registration

- DM-OPEN shall allow Interfacing System users to establish set of Geographic Interest Areas for use in establishing either interest or non-interest in EDXL-DE message receipt.
- DM-OPEN shall allow Interfacing Systems to register interest in receiving, or not receiving, EDXL-DE messages based on message characterization as defined in the EDXL-DE specification.
- DM-OPEN shall allow Interfacing Systems to register for receipt or non-receipt of specific message content as contained within an EDXL-DE message.



Interest Registration (continued)

- DM-OPEN shall allow Interfacing Systems to register interest in receiving or not receiving messages from an arbitrary set of DM COGs.
- DM-OPEN shall allow an Interfacing System to retrieve its current List of Registered Message Interests from the DM-OPEN interfaces.



Posting

- DM-OPEN shall provide the capability to directly post an EDXLDistribution to COGs selected by the posting COG. (Current)
- DM-OPEN shall provide a list of COGs that have been successfully posted to as a return value to any EDXLDistribution Posting
- DM-OPEN shall provide a mechanism to post EDXLDistributions such that EDXLDistributions are received based upon the registered Message Interests of receiving COGs.
- DM-OPEN shall match Geographic Interests included in an interest query such that any overlap in Geographic Interest shall create a positive match.



Posting (continued)

- DM-OPEN shall provide the ability for Interfacing Systems to obtain a list of COGs that have retrieved a particular EDXLDistribution and the date and time that the EDXL Distribution was first retrieved by each listed COG.
 - In the event of multiple retrievals, a Retrieved by COG List shall record only the time of the first retrieval
- DM-OPEN shall provide a mechanism for posting EDXLDistributions to all COGs at once, except for those that have registered explicit disinterest through an non-interest Registered Message Interest concerning the message or the sending COG.



Retrieving

- DM-OPEN shall allow Interfacing Systems, when logged in as a COG, to retrieve EDXLDistributions posted directly to that COG. (current)
- DM-OPEN shall allow Interfacing Systems, when logged in as a COG, to retrieve EDXL Distributions posted for general distribution, using interest criteria to set the scope of the retrieval.
- DM-OPEN shall allow the retrieval of EDXLDistributions as a list without actual content for the purpose of determining the suitability of the content for complete retrieval.

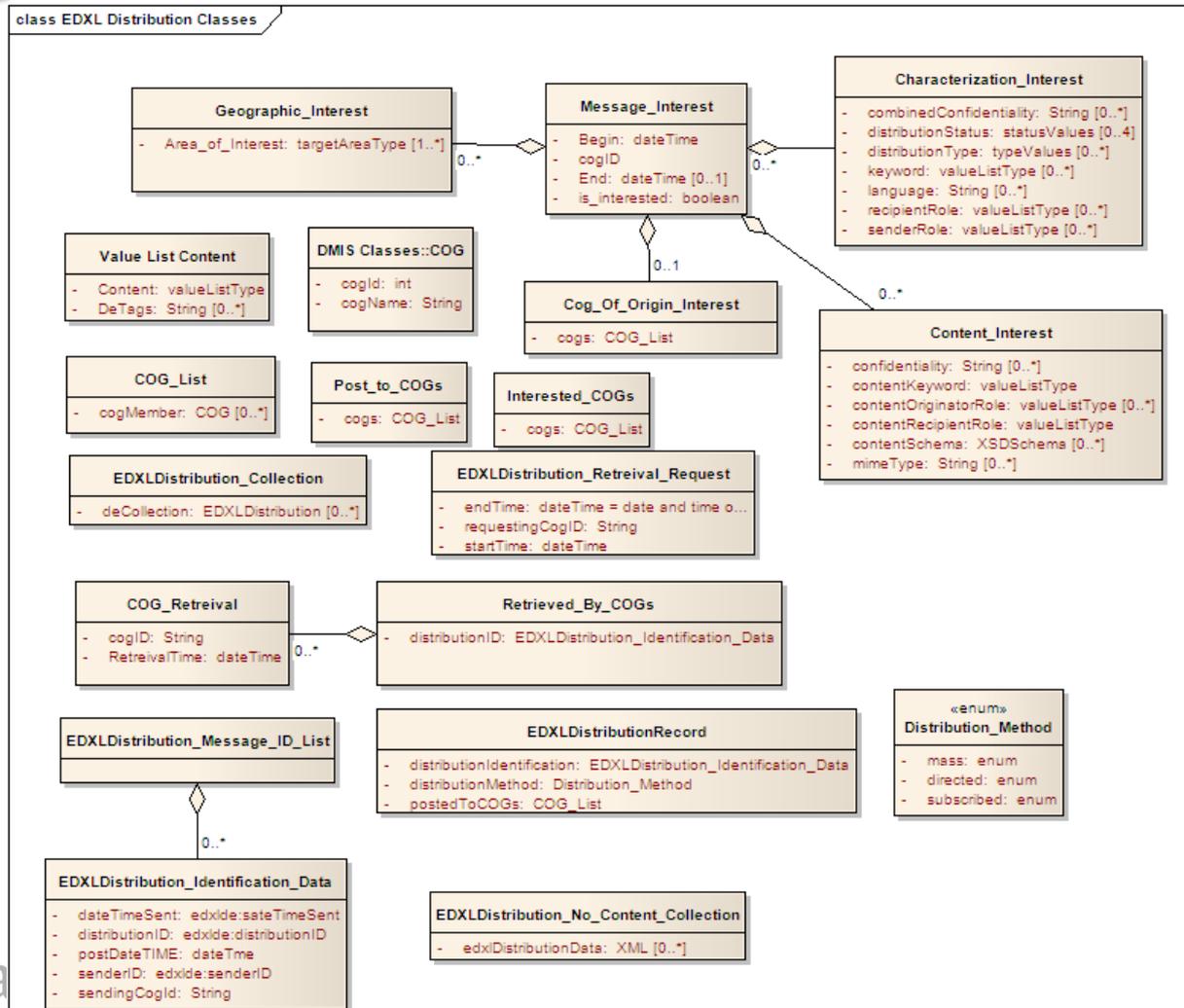


Retrieving (continued)

- DM-OPEN shall allow retrieval of an abbreviated identification list of EDXLDistributions available for retrieval by an Interfacing System.
- DM-OPEN shall allow Interfacing Systems to retrieve individual EDXL-DE messages by unique identifier (combined values of distributionID and SenderID). (current)
- DM-OPEN shall allow Interfacing Systems, when logged in as a COG, to retrieve all allowed EDXLDistributions that contain an incident ID matching a query request.
- DM-OPEN shall provide a mechanism for posting EDXLDistributions to all COGs at once, except for those that have registered explicit disinterest through an non-interest Registered Message Interest concerning the message or the sending COG.



DM-OPEN Distribution Element Classes



Next Steps (After IOC)

- Question – Are any of these needed at IOC?
 - COG Admin and Information
 - HAVE Specific DE capabilities
 - Resource Specific DE Capabilities
 - Additional Value List that need access

- What changes/additions/deletions are needed to what was presented here?



Contact Information

- Please let us know your needs
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 - Subject Line: “DM-OPEN Requirements”

