

OASIS

Organization for the Advancement of Structured Information Standards

www.oasis-open.org

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Common Alerting Protocol Update

- Background
- Committee process
- CAP history
- CAP profile
- Comments
- CAP 1.2
- Next steps

Background

- OASIS is an international body
- Standards are free and open
- OASIS Standards are approved within an OASIS Committee, submitted for public review, implemented by at least three organizations, and finally ratified by the Consortium's membership at large.

Committee Process

- Technical Committee Charter
- Committee Draft
- Public Review Draft
- Committee Specification
- OASIS Standard

Emergency Management Technical Committee

- Charter

The Technical Committee will apply itself to answering requirements for data exchange among emergency management, public safety, homeland security and related applications and systems.

- Subcommittee Structure

- GIS
- Infrastructure
- Messaging and Notification
- Adoption
- Reference Information Model
- CAP Profile

CAP History

- 2004 CAP 1.0
- 2005 CAP 1.1
- 2006 OASIS-ITU Joint Meeting - Geneva
- 2007 CAP 1.1 Errata & ITU-T Recommendation 1303
- 2008 CAP Call for Comments
- 2008 CAP Workshop – Geneva
- 2008 CAP Profile Requirements Received
- 2009 CAP Profile Public Review

CAP Profile

- *Common Alerting Protocol, v. 1.1 USA Integrated Public Alert and Warning System Profile Public Review Draft 01*
- What, why, where, when?

What is a profile?

- **Profile** – As used in this document, a profile consists of an agreed-upon subset and interpretation of the OASIS CAP-v1.1 Standard. An XML Profile is applied to an existing XML Schema (in this case the OASIS Standard CAP v1.1 Schema) in order to constrain or enforce aspects of it to accomplish a specific purpose according to the definition and criteria set forth for an XML Profile. Any message that is in compliance with the Profile must validate against the original XML Schema as well as the resulting XML Schema of the Profile.

IPAWS Exchange Partners

developed for systems of systems, specifically:

- the broadcast Emergency Alert System (EAS) as recommended by the EAS-CAP Industry Working Group;
- the NOAA Non-Weather Emergency Message (NWEM) "HazCollect" program for weather radio and other delivery systems as derived from technical documentation; and,
- the Commercial Mobile Alerting Service (CMAS) for cellular telephones as described in the recommendations of the Commercial Mobile Service Alert Advisory Committee (CMSAAC).

Profiles

- Why?
 - Constrains otherwise very flexibility CAP Standard
 - Developed for specific systems
 - Registries can be developed
- Where?
 - www.OASIS-open.org Review document listed under "Participation" header on top page.
- When?

Comments

- Issues list
- Minor Comments
- Comments requiring schema change
 - “Avoid” responseType
 - Digital signature correction
- CAP 1.2
- CAP 2.0

CAP 1.2

- Applied changes per recommendations identified by CAP comments process and profile development:
 - Includes CAP 1.1 Errata and ASN.1 Schema
 - DateTime Data Type to further define the acceptable date and time values
 - New <responseType> values of Avoid and AllClear.
 - Clarification on acceptable <polygon> values and the use of character entity references.
 - Schemas were updated to reflect changes and to validate when XML signature/encryption elements are present.
 - Updated CAP Alert Message Examples.

Documents Envisioned

- *Common Alerting Protocol, v. 1.2 USA Integrated Public Alert and Warning System Profile Specification 1.0*
- *Common Alerting Protocol, v. 1.2 Committee Draft 1.0*
- *Common Alerting Protocol, v. 1.2 Public Review Draft 1.0*
- *Common Alerting Protocol, v. 1.2 Committee Specification 1.0*
- *Common Alerting Protocol, v. 1.2 Standard 1.0*

Next Steps

- **IPAWS Profile**

- May 2 – 60-day public comment period ends for Profile Public Review Draft.
- Complete any changes needed for minor review (15-day) as a result of additional comments or for alignment with CAP 1.2.
- May 31 – possible Profile Specification complete

- **CAP 1.2**

- Mid May - possible date for start of 60-day public review
- Mid July – public review over.....

- **CAP 2.0**

- Work through issues from past reviews
- Address comment received in 2008 comment request
- Alignment with the EDXL/DE

- **Coordinate with ITU – possible workshop in June**

- ASN.1 schema for CAP 1.2
- Profile registries
- Unique identifiers
- EDXL/DE