



Integrated Public Alert and Warning System

Draft CAP Construction Guide for IPAWS

SIG Presentation

18 May 2011



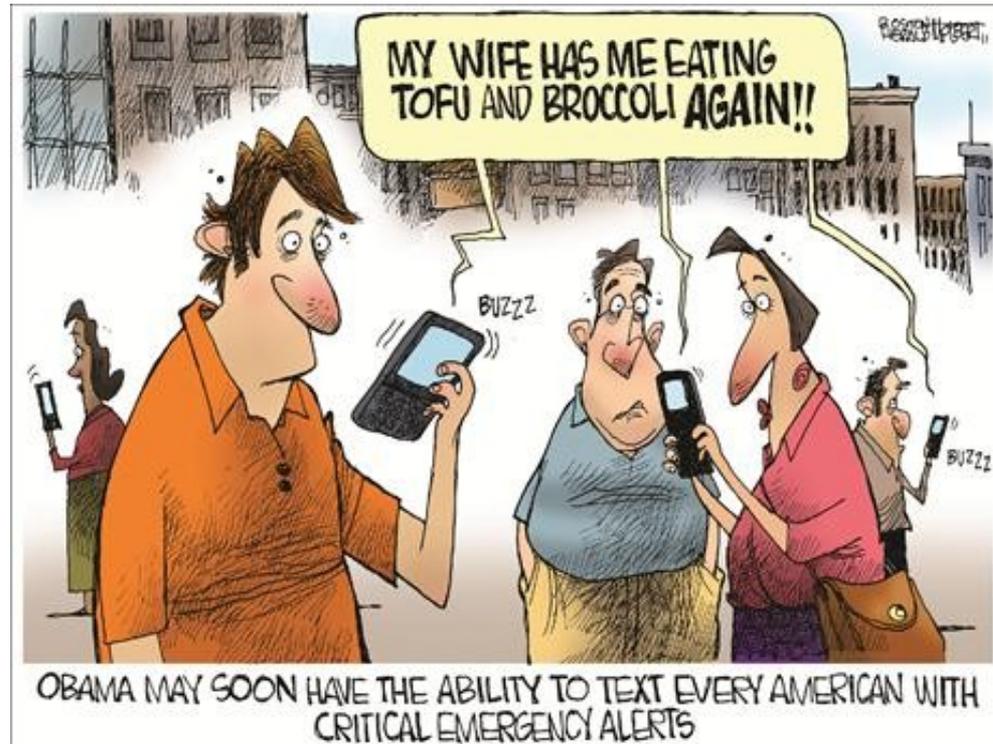
FEMA

IPAWS-OPEN Status

- ▶ IPAWS-OPEN 2.0 is operational in TDL using sha256 Digital certs
- ▶ IPAWS-OPEN 3.0 is in development with those aspects needed to test with carriers implemented as a prototype in JITC (and Carriers are testing).
- ▶ IPAWS-OPEN 2.0 production live connection to NOAA should be in place by the end of May.
- ▶ DMIS Tools and DM-OPEN will go away on 30 June. So, production applications need to move during June.
- ▶ Need to get Operational MOAs in place (later slide).

Personal Localized Alerting Network (PLAN)

As identified by the media:



As explained by FEMA: <http://www.fema.gov/news/newsrelease.fema?id=54882>

PLAN == CMAS



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Timeline (Planned)

- ▶ CWID Trails in June.
- ▶ NOAA cutover in June.
- ▶ EAS Release (CAP 1.2) in time for all to meet the FCC mandate (external testing in July or August).
- ▶ PLAN (CMAS) operational demo in NYC in September.
- ▶ CMAS fully operational in December.
- ▶ Distributional improvements after that.

These are personal estimates. They are not official in any way!!!!



Operational MOA Guidance

- ▶ Development is underway and a recognized immediate need. (The Practitioners on 1 June will provide details and process.)
- ▶ MOA is required for all operational COGs on a per COG basis.
- ▶ Will be executed only with organizations that have emergency management responsibilities (not to product vendors).
- ▶ Will be used as a prerequisite for issuance of an operational digital certificate for the COG.
- ▶ System permissions with IPAWS will be COG based. Different permission sets will require different COGs.

CAP Construction Guide for IPAWS-OPEN 3.0 (DRAFT)

- ▶ Designed to help you build what your users need for the CAP 1.2 interface to IPAWS-OPEN.
- ▶ PDF on FEMA website at:
http://www.fema.gov/pdf/emergency/ipaws/ipaws_cap_mg.pdf
- ▶ Combine message approach to:
 - Private CAP Exchange
 - Non-IPAWS CAP Exchange
 - EAS CAP for Broadcast
 - NWEM CAP for Broadcast
 - CMAS Message for Cell Tower Transmission.
- ▶ Answers most questions covering what the message content needs to be for the various m



Some change is to be expected!

Permission Management

- ▶ Right now only NWEM messages are “permission managed” in the sense that COGs have restricted capability (e.g. isCogAuthorized and getNwemAuxData).
- ▶ IPAWS-OPEN has structures internally to associate permissions with digital signatures for:
 - Event Code
 - SAME (FIPS) code
 - Distribution Method
 - Other factors
- ▶ Specifics (both the requirements and the actual management techniques for those requirements) are still TBD.

Comments and Questions

▶ **IPAWS Website** - <http://www.fema.gov/emergency/ipaws>

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