



Integrated Public Alert and Warning System

IPAWS to EAS End-to-End

SIG Presentation

19 October 2011



FEMA

IPAWS-OPEN Status

- ▶ **IPAWS-OPEN 3.0 is operational in TDL and Production.**
- ▶ **IPAWS-OPEN 3.0 production live connection to NOAA is in place. (Use care if you have a NOAA approved COG.)**
- ▶ **CMAS distribution is going into place.**
- ▶ **EAS is live for those who can connect.**
- ▶ **Need to get Operational MOAs and software in place for originators.**

Today's Demonstration using TDL

- ▶ SOAP UI
- ▶ The Atom Feed
- ▶ A Tweet from the Feed

All done live and at risk of a “Bill Gates Moment.”

Manual Signature Configuration

- ▶ **Prepare the SOAP UI file.**
 - SOAP UI Configuration.
 - Build a valid CAP message.

- ▶ **Manual Signature building**
 - Copy the alert portion to a file.
 - Run my java “signer”
 - Copy the signature from the resulting file into the SOAP UI app
 - Run SOAP UI at the designated time.

- ▶ **The SOAP UI Response**

The IPAWS Atom Feed –

▶ The “Last Updated” Call

- https://tdl.apps.fema.gov/IPAWSOPEN_EAS_SERVICE/rest/update?pin=xxxxxxx

▶ The “Get List” Call

- https://tdl.apps.fema.gov/IPAWSOPEN_EAS_SERVICE/rest/feed?pin=xxxxxxx

▶ The “Get Message” Call

- https://tdl.apps.fema.gov/IPAWSOPEN_EAS_SERVICE/rest/eas/105?pin=xxxxxxx

▶ The Algorithm

- Poll last updated
 - If there is a change, get list
 - Compare items on list to ensure that they are in your state and that you have not retrieved before
 - Get and process appropriate messages
 - Return to poll
- ▶ The Tweet (Should show actual EAS translation – Maybe next time)



Comments and Questions

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

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