



Integrated Public Alert and Warning System

IPAWS – OPEN Release New Developer Certs

SIG Presentation

16 May 2012



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IPAWS-OPEN Status

- ▶ **IPAWS-OPEN 3.01 is operational in TDL and Production.**
- ▶ **IPAWS-OPEN 3.01 production live connection to NOAA for NWEM is in place. (Use care if you have a NOAA approved COG.)**
- ▶ **Alerts from NOAA to CMAS and EAS have been tested extensively in TDL. Production planned before the end of the month.**
- ▶ **CMAS distribution is in place and being rolled out by the carriers.**
- ▶ **EAS Atom Feed is live. Broadcasters will begin monitoring on June 30.**
- ▶ **90 Operational COGs requested - 47 completed MOAs – 21 with alerting Authority designation (list continues to grow).**

Two Recent Incidents in TDL

- ▶ **Query from e-mail account outside the U.S. or Canada with technical question about IPAWS Message exchange.**
 - **Could have been a phishing expedition.**
 - **Could have been an improper outsourcing action by one of you.**
- ▶ **Unintentional misuse of isCogAuthorized and getNwemAuxData.**
 - **Did not abate even after an “all developers” e-mail.**
 - **Resulted in degraded operational capability for all. Post response times > 70 seconds for about a week.**
 - **Not easy to trace source due to all of you sharing the same COG.**
 - **Turned out to be an external developer configuration error.**



Solution – No More Shared COGs between developers

- ▶ **On xx May COG 999 and COG 100014 will be shut down.**
- ▶ **Before that time you will all get an e-mail asking to you re-request your cert. With that e-mail you will get:**
 - **A new prototype test plan (the old one is out of date)**
 - **A new developers' intent sheet that leaves out the CAP 1.1 interfaces (they will stay in place but should be considered deprecated for version 3.02).**
- ▶ **You will respond with:**
 - **Your updated intent sheet.**
 - **Words agreeing that your development for connecting to the interface will not be outsourced beyond U.S. and Canada.**
 - **A new MOA will not be required.**

Solution – New COG ID and Cert for Each Developer Organization

- ▶ **You will then get a new cert and COG ID - one for each Developer Organization**

- ▶ **Benefits:**
 - **Competitors will no longer see the work you are doing unless you post to their COG.**
 - **If one COG abuses the system (on purpose or by accident) we can shut it down immediately without affecting everyone else.**
 - **COG-to-COG sharing will be able to be simulated better at demos, etc.**

- ▶ **Drawbacks:**
 - **More administration cost for IPAWS.**
 - **You will have to manage your cert carefully so that it is not used by others.**
 - **Some of you will have to convert the certs yourself from JKS to PFS or PEM.**



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Message Retrieval Options in IPAWS-OPEN

- ▶ **Using the SOAP Interface you can only retrieve messages that have your logon COG ID in <addresses>.**
 - This includes your own or messages sent by others for your retrieval.
 - Applies to public AND private messages.
- ▶ **The EAS Atom Feed**
 - All public, unexpired, and EAS qualified messages.
 - Restricted to FCC regulated broadcasters.
- ▶ **The Public CAP feed (TBD version 3.02):**
 - All public, unexpired, IPAWS Profile conforming, and validly signed messages.
 - Limited to MOA Holding “re-disseminators.”

Comments and Questions

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

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