



# FEMA

## Integrated Public Alert and Warning System (IPAWS)

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Update to the NRC

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# IPAWS Federal Guidance

## *Policy:*

### ▶ ***Executive Order 13407 - Public Alert and Warning System***

- Establishes policy of the United States to have an national warning system used by government officials at all levels of government to alert and warn people of all hazards

## *Law:*

### ▶ ***Public Law 114-143, The IPAWS Modernization Act***

- Enacts to law the policy statement and similar requirements found in Executive Order 13407

### ▶ ***Section 706 of 47 U.S.C. 606, The War Powers Act***

- Provides for Presidential access to commercial communications during “a state of public peril or disaster or other national emergency”

### ▶ ***Public Law 93-288, The Stafford Act***

- Sec. 202. Disaster warnings – directs FEMA to provide technical assistance to State and local governments to insure that timely and effective disaster warning is provided

## *Regulation:*

### ▶ ***47 CFR Part 11 — Emergency Alert System (EAS)***

- Provides for alert and warning on private sector radio and television infrastructure

### ▶ ***47 CFR PART 10 — Wireless Emergency Alerts (WEA)***

- Provides for alert and warning to devices on wireless carrier networks



# IPAWS Vision

*“Timely Alert And Warning To American Citizens In  
The Preservation of Life And Property”*

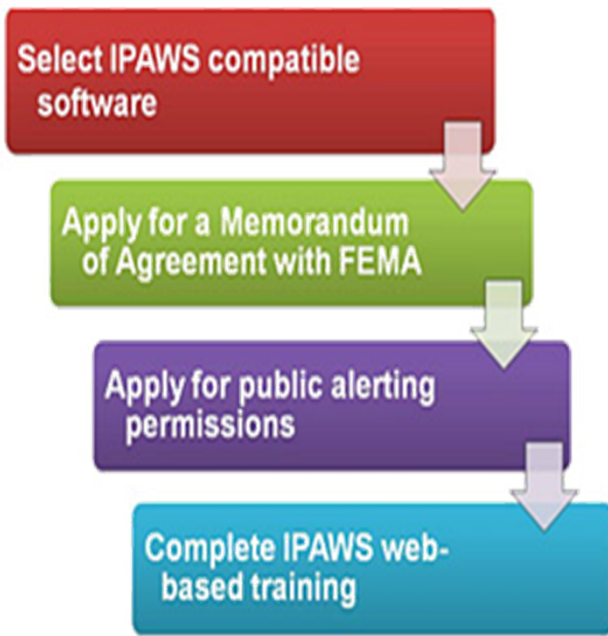
- Facilitate single emergency alert message delivery to all available public dissemination channels
- Easier to use by public safety/alerting authorities



- Improves and Enhances emergency alerting capability in two critical ways:
  - Reliability that citizens receive alert via at least one path
  - likelihood that citizens react to emergency alerts



# Getting Access to IPAWS



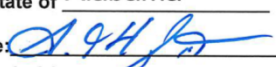
1. Obtain an IPAWS-compatible alerting tool
2. Complete a Memorandum of Agreement
  - Fill out the MOA Application (link below)
  - FEMA will create an MOA for you to sign
  - With a signed MOA, FEMA will set up your COG and send you a certificate to “digitally sign” your alert messages
3. Complete the “Public Alerting Application”
  - Coordinate with the state and obtain signature
4. Complete IPAWS web-based training
  - With a signed “Public Alerting Application” and training certificate, FEMA will enable your alerting permissions and you’re good to go

[www.fema.gov/how-sign-ipaws](http://www.fema.gov/how-sign-ipaws)



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# Getting Access to IPAWS

Application for IPAWS Public Alerting Authority	
COG Name: <u>AL Limestone County Emergency Management Agency</u>	COG ID#: <u>201108</u>
<b>Dissemination Systems Requested:</b>	
<input checked="" type="checkbox"/> Emergency Alert System (EAS)	
<input checked="" type="checkbox"/> Wireless Emergency Alerts (WEA)	
<input checked="" type="checkbox"/> National Weather Service All Hazards Emergency Message Collection System (HazCollect)	
<b>Is this a statewide system?</b>	
<input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>If no, please list the name(s) and FIPS Code(s) for your geographic area of responsibility:</b> <small>[Attach additional pages as needed]</small>	
<u>Name:</u>	<u>FIPS Code:</u>
<u>Limestone County, Alabama</u>	<u>01083</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<b>Event Codes:</b> <small>[Check all that apply]</small>	
<u>EAS/WEA/HazCollect</u>	
<input type="checkbox"/> Avalanche Warning (AVW)	<input type="checkbox"/> Law Enforcement Warning (LEW)
<input type="checkbox"/> Civil Danger Warning (CDW)	<input checked="" type="checkbox"/> Local Area Emergency (LAE)
<input type="checkbox"/> Civil Emergency Message (CEM)	<input checked="" type="checkbox"/> Nuclear Power Plant Warning (NUW)
<input type="checkbox"/> Earthquake Warning (EQW)	<input type="checkbox"/> Radiological Hazard Warning (RHW)
<input checked="" type="checkbox"/> Evacuation Immediate (EVI)	<input checked="" type="checkbox"/> Shelter in Place Warning (SPW)
<input type="checkbox"/> Fire Warning (FRW)	<input type="checkbox"/> Volcano Warning (VOW)
<input type="checkbox"/> Hazardous Materials Warning (HMW)	
<u>EAS/HazCollect Event Codes</u>	
<input type="checkbox"/> Administrative Message (ADR)	<input type="checkbox"/> Avalanche Watch (AVA)
<input type="checkbox"/> Child Abduction Emergency (CAE)	<input type="checkbox"/> Telephone Outage Emergency (TOE)
<u>Test Codes (EAS Only)</u>	
<input type="checkbox"/> Required Monthly Test (RMT)	<input checked="" type="checkbox"/> Required Weekly Test (RWT)
<i>The undersigned has reviewed this application and the public alerting authorities requested by the applicant are consistent with the state Emergency Alert System plan, AMBER Alert System plan, or other operational public warning plans.</i>	
For the State of <u>Alabama</u>	Agency: <u>Alabama Emergency Management Agency</u>
Signature: <u></u>	Date: <u>05/05/2016</u>
Name: <u>Jeb Hargrove</u>	Title: <u>IT Director</u>
Email: <u>jeb.hargrove@ema.alabama.gov</u>	Telephone: <u>205-280-2290</u>



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# Current IPAWS Alerting Authorities (as of May 2019)

**1,291 Total IPAWS  
Public Alerting  
Authorities:**

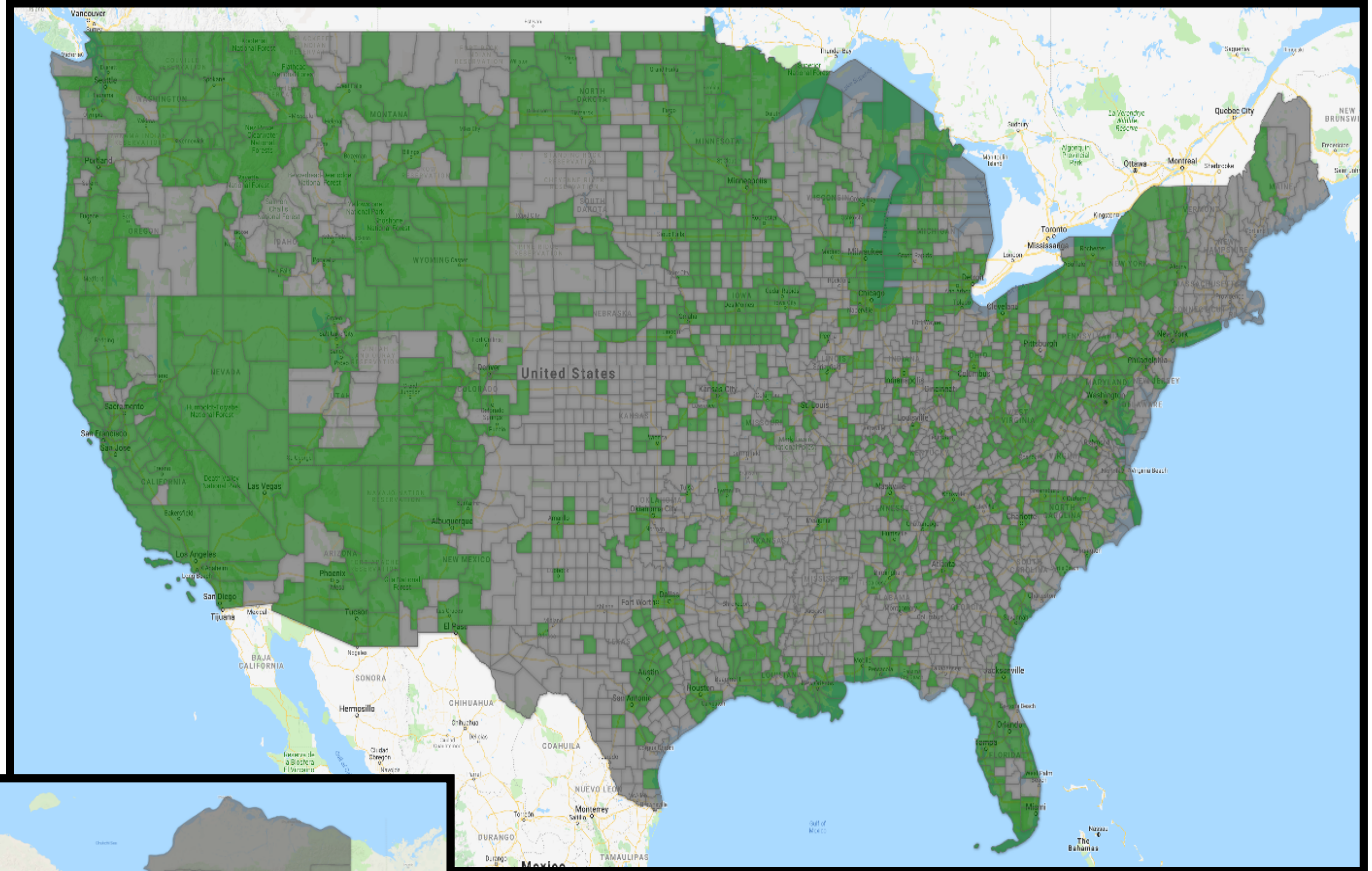
**1,213 Local**  
(includes 19 military installations)

**68 State-wide**

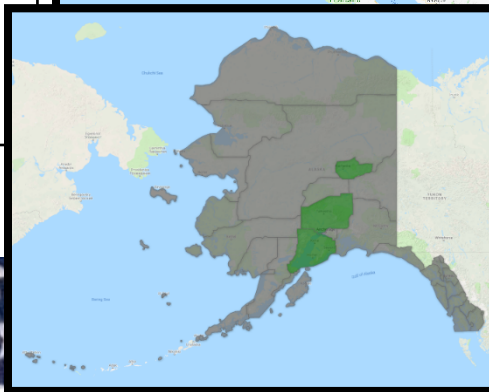
**3 Territory**

**4 Tribal**

**3 National**



Counties in Green have at least one local authority with  
IPAWS Public Alerting Access  
*More than 70.7% of the population is covered by a local  
alerting authority*



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# Wireless Emergency Alerts 1, 2, 3

- WEA 1.0 (April 2012)
  - 3 classes: Presidential, AMBER, Imminent Threat
  - 90 characters English
  - Target alerts to the best approximation of the polygon
- WEA 2.0 (~~May~~ TBD 2019)
  - 5 classes: Presidential, AMBER, Imminent Threat, Public Safety, Test
  - 360 characters English and Spanish
  - Target alerts to the best approximation of the polygon
- WEA 3.0 (November 2019)
  - 5 classes: Presidential, AMBER, Imminent Threat, Public Safety, Test
  - 360 characters English and Spanish
  - Target alerts to 100% of the designated area with 0.1 mile overshoot





# IPAWS Proficiency Demonstration

- Mandatory monthly Proficiency Demonstrations begin October 1<sup>st</sup>
- IPAWS Alerting Authorities must send at least one successful message per month to the IPAWS Lab
- Use any approved Event Code
- Use IPAWS Message Viewer to confirm message
- If you miss one month we will send you a reminder
- Miss two consecutive months we will copy your state IPAWS reviewing authority on the reminder
- Don't miss three consecutive months – you may lose access to IPAWS





# Future Activities

- Evaluate Alerting Authority proficiency demonstrations and assist where necessary
- Continue tracking pending legislation
  - S.2385/H.R.4965 Authenticating Local Emergencies and Real Threats (ALERT) Act of 2018
  - S.3238/H.R.6427 Reliable Emergency Alert Distribution Improvement (READI) Act of 2018
- Continue tracking 5G/WEA considerations
- IPAWS cloud migration



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