



## State of Illinois

### Emergency Alert System State Plan

June 2006

And Revised 2017

Post this plan at each control point with the F.C.C. EAS Handbook

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## **Purpose**

The purpose of this document is to provide information relative to the implementation and operation of the Emergency Alert System within the State of Illinois. Consult Part 11 of the FCC rules for specific information about EAS regulations and requirements.

## **Introduction**

The Emergency Alert System (EAS) provides warning to the general public when emergencies occur that threaten the life or property of the residents of Illinois. The EAS is a co-operative system that relies on the participation of the Illinois Emergency Management Agency (IEMA), Illinois radio and television broadcasters, and the Illinois cable television operators. It provides specific procedures for the broadcast stations and cable television operators to disseminate *WARNINGS* to the general public in event of an emergency in part of or the entire State of Illinois. This EAS plan may be activated in response to imminent or ongoing threats to life and/or property. Such threats include but are not limited to toxic materials release, civil disturbance, wide area power outages, evacuation alerts, and severe weather.

Acceptance of or participation in this plan shall not be construed as a relinquishment of individual station program control or to prohibit an individual broadcast facility from exercising independent discretion and responsibility in any given situation. "Re-Broadcast Authority" is given to all broadcast stations and cable operators relaying EAS emergency communications. The authority granted to individual broadcast facilities and cable television operators to manage and exercise discretion in the broadcast of EAS information and instructions is detailed in and supported by Part 11 of the F.C.C rules and regulations.

## **General Considerations**

Under this plan, Illinois has been divided into 11 local areas. Each of the 11 local areas has two or more *key* broadcast stations that will disseminate regional information during an emergency. All broadcast stations and cable operators in these local areas will monitor the assigned *key* broadcast stations for their area. These stations are identified as *Local Primary* (LP) 1, 2, or 3. In addition, all broadcast stations and cable operators are encouraged to monitor as many other sources of emergency information as they consider practical.

All broadcast stations and cable operators are also encouraged to monitor the National Weather Service (NWS) radio station in their area for weather alerts and Amber alerts. The Local Primary stations are not required to re-transmit weather bulletins nor will IEMA broadcast weather bulletins on the state emergency communications channel.

In order to improve the ability of emergency information to reach the public in a timely manner, EAS operations should be considered to be a "web" rather than a "chain". This means that broadcast stations and cable operators should rely on the LP-1 & LP-2 stations for state and national emergency information but local emergencies, such as developing weather conditions, should be monitored directly by each broadcast station and cable system. An example of this is the Amber Alert System. Each broadcast station and cable operator can obtain Amber Alerts from the NWS weather radio.

## **General Operating Procedures**

Local Primary 1 (LP-1) and Local Primary 2 (LP-2) stations will monitor each other. In addition, LP-1 & LP-2 stations will monitor the Illinois Emergency Management Agency (IEMA) radio network and the National Weather Service (NWS). When practical, both LP-1 & LP-2 should monitor WLS-AM or the National Public Radio (NPR) Primary Entry Point (PEP) for Presidential Alerts.

LP-1 & LP-2 stations should have their EAS filters set to immediately re-transmit any emergency message originating from IEMA that carries the Civil Emergency event code "CEM".

LP-1 & LP-2 stations are not required to re-transmit weather bulletins but are authorized to do so in accordance with individual station policies.

All other broadcast stations and cable operators will monitor the LP-1 & LP-2 stations. Monitoring the National Weather Service is not required but highly recommended.

All EAS participants are required to immediately re-transmit any message using the codes "EAN" (National Emergency) and "NPT" (National Periodic Test). It is recommended, but not required, that they also re-transmit any message received from the LP-1 or LP-2 using the event code "CEM". Broadcast stations other than LP-1 or LP-2 may also choose, but are not required, to re-transmit weather bulletins from the National Weather Service.

EAS Participants must monitor the FEMA Integrated Public Alert and Warning System (IPAWS) in a manner consistent with FEMA's instructions. <http://www.fema.gov/emergency-alert-system-participants>.

All tests and activations are to be logged as per FCC Rule 73.1820.

## **Activation**

The Governor of the State of Illinois is the only official who may authorize activation of the State-Wide Area Emergency Alert System. Any other officials must request and receive authorization for activation through the Governor. The code "CEM" will be used exclusively by IEMA.

The Illinois State EAS Plan will be activated using a dedicated EAS encoder located at the IEMA Emergency Operations Center (EOC). This center is linked to all LP stations via the IEMA statewide radio network on 45.44 MHz.

## **Local Plans**

This document details the state plan only. Each of the 11 areas of Illinois can develop local plans that relate to their particular part of the state. The local plans will concentrate on providing a means for authorized persons at the county or city level to reach the public quickly through broadcast or cable outlets in the event of a local emergency. Local authorities shall send EAS compliant messages through the local LP-1, LP-2 or LP-3 stations. Appendix E is a list of registered local plans with Internet links to the issuing agencies.

## **Required Weekly Test**

Each broadcast station, cable operator, and IEMA will transmit the “header” tones with the appropriate FIPS codes, and “end of message” tones as described in Part 11.21 of the F.C.C. Rules once per week. Radio and TV broadcasters must send the Required Weekly Test (RWT) at random times and do not need to include a voice announcement.

## **Required Monthly Test**

IEMA will transmit a Required Monthly Test (RMT) either through IPAWS via the FEMA Internet feed or on its statewide emergency radio network on the first Tuesday of the month in accordance with the following schedule:

|          |          |           |          |
|----------|----------|-----------|----------|
| January  | 10:15 am | July      | 10:15 am |
| February | 12:15 am | August    | 12:15 am |
| March    | 10:15 am | September | 10:15 am |
| April    | 12:15 am | October   | 12:15 am |
| May      | 10:15 am | November  | 10:15 am |
| June     | 12:15 am | December  | 12:15 am |

All LP-1 & LP-2 stations are encouraged to re-transmit the RMT within 10 minutes of the time it is received from IEMA.

All other stations will re-transmit the RMT within 60 minutes of the time it is received from either the LP-1 or LP-2 stations or IPAWS.

The Required Monthly Test issued by the IEMA EOC will contain the following elements:

- 3 bursts of digital “RMT header” code with Required FIPS Codes
- A 10 second recorded message containing the following text:

“This station is participating in a test of the Illinois Emergency Alert System. This system was developed to provide information to the public during emergencies. This was a test”.

- 3 bursts of “end of message” tone

## **ACTUAL ALERT Activation Script and Format**

State Activation Procedures:

IEMA EOC will transmit the alert to all LP (1/2/3) stations via the IEMA Emergency Radio Network on 45.44 MHz.

The alert will contain the following elements:

- 3 bursts of digital “Civil Emergency Message” (CEM) code
- A recorded message less than 2 minutes in duration containing the following text:

“This is an activation of the State of Illinois Emergency Alert System. The Governor has activated the Emergency Alert System due to (nature of emergency).”

- 3 bursts of “end of message” code

**IMPORTANT:** The EAS system will store and forward a message of only 2 minutes or less in duration. Any messages longer than 2 minutes will be truncated.

## **National Public Radio Link**

At this time, there is no statewide link available to Illinois LP-1 and 2 stations for Presidential EAN activations. LP-1 and 2 stations are encouraged to arrange to monitor a NPR station that has installed an NPR satellite cue connection to the NPR’s station’s EAS unit to facilitate EAN activation for their area. LP-1 and 2 stations that can successfully monitor WLS-AM may use that PEP station as a source of EAN activation.

## **AMBER Alert-Child Abductions**

A link for Child Abduction Alerts issued by the Illinois State Police (ISP) has been established between the ISP and the National Weather Service (NWS). Upon authorization of the ISP, the NWS will transmit an alert with the Child Alert Emergency header code “CAE” for all broadcast stations and cable operators to relay to the general public.

Appendix F is the alert procedure between the Illinois State Police and the National Weather Service.

## **Assistance/Area Chairpersons**

If you are experiencing monitor issues or need any assistance with regard to this plan or any other EAS issues, contact your local EAS chairperson.

| <b>AREA</b> | <b>CITY</b>  | <b>CONTACT</b> | <b>TELEPHONE</b>     | <b>FAX</b>   | <b>E-MAIL</b>                    |
|-------------|--------------|----------------|----------------------|--------------|----------------------------------|
| 1           | Springfield  | Kerri Cawley   | 217-494-6507         | 217-528-5348 | KerriCawley@neuhoffmedia.com     |
| 2           | Quincy       | Jim Lawrence   | 217 228-6630         | 217 228-6670 | jlawrence@wgem.com               |
| 3           | Peoria       | Mark Hill      | 309 531-2592         |              | mahill@ilstu.edu                 |
| 4           | Rock Island  | Jeffrey Konrad | 309 721-5228         |              | jeffreykonrad@gmail.com          |
| 5A          | Rockford     | John Huntley   | 815-399-2233<br>x111 |              | John.Huntley@townsquaremedia.com |
| 5B          | Ottawa       | Ben Pflederer  | 815 978-8737         | None         | bpflederer@aol.com               |
| 6           | Chicago      | Open           |                      |              |                                  |
| 7           | Champaign    | Ed Bond        | 217 351-5355         | 217 351-5385 | edillini@aol.com                 |
| 8           | Olney        | Mike Shipman   | 618 393-2156         | None         | mishipman@forchtbroadcasting.com |
| 9           | Marion       | Jeff Oestreich | 618-926-0267         | None         | jeff_astrike@hotmail.com         |
| 10          | St. Louis MO | Open           | Open                 |              |                                  |

## State Chairpersons & Liaisons

| TITLE               | CITY        | CONTACT          | TELEPHONE        | E-MAIL                          |
|---------------------|-------------|------------------|------------------|---------------------------------|
| State Chairman      | Chicago     | Bill Murdoch     | 312-222-5093     | bmurdoch@wgnradio.com           |
|                     |             |                  |                  |                                 |
| Cable TV Liaison    | Chicago     | Patrick Reyes    | 630-669-2653     | Patrick_reyes@cable.comcast.com |
|                     |             |                  |                  |                                 |
| FCC Liaison (local) | Chicago     | Open             | 847 813-4664     |                                 |
|                     |             |                  |                  |                                 |
| FCC Liaison (D.C.)  | Washington  | Maureen McCarthy | 202-418-0011     | Maureen.McCarthy@fcc.gov        |
|                     |             |                  |                  |                                 |
| NOAA NWS            | Romeoville  |                  | 815 834-0600     |                                 |
|                     |             |                  |                  |                                 |
| NOAA/NWS            | Lincoln     | Chris Miller     | 217-732-4029x726 | Chris.Miller@noaa.gov           |
|                     |             |                  |                  |                                 |
| IEMA                | Springfield | Jerry Miller     | 217-557-2736     | JMILLER@illinois.gov            |
|                     |             |                  |                  |                                 |
| IEMA                | Springfield | Patti Thompson   | 217-557-5228     | Patti.Thompson@illinois.gov     |



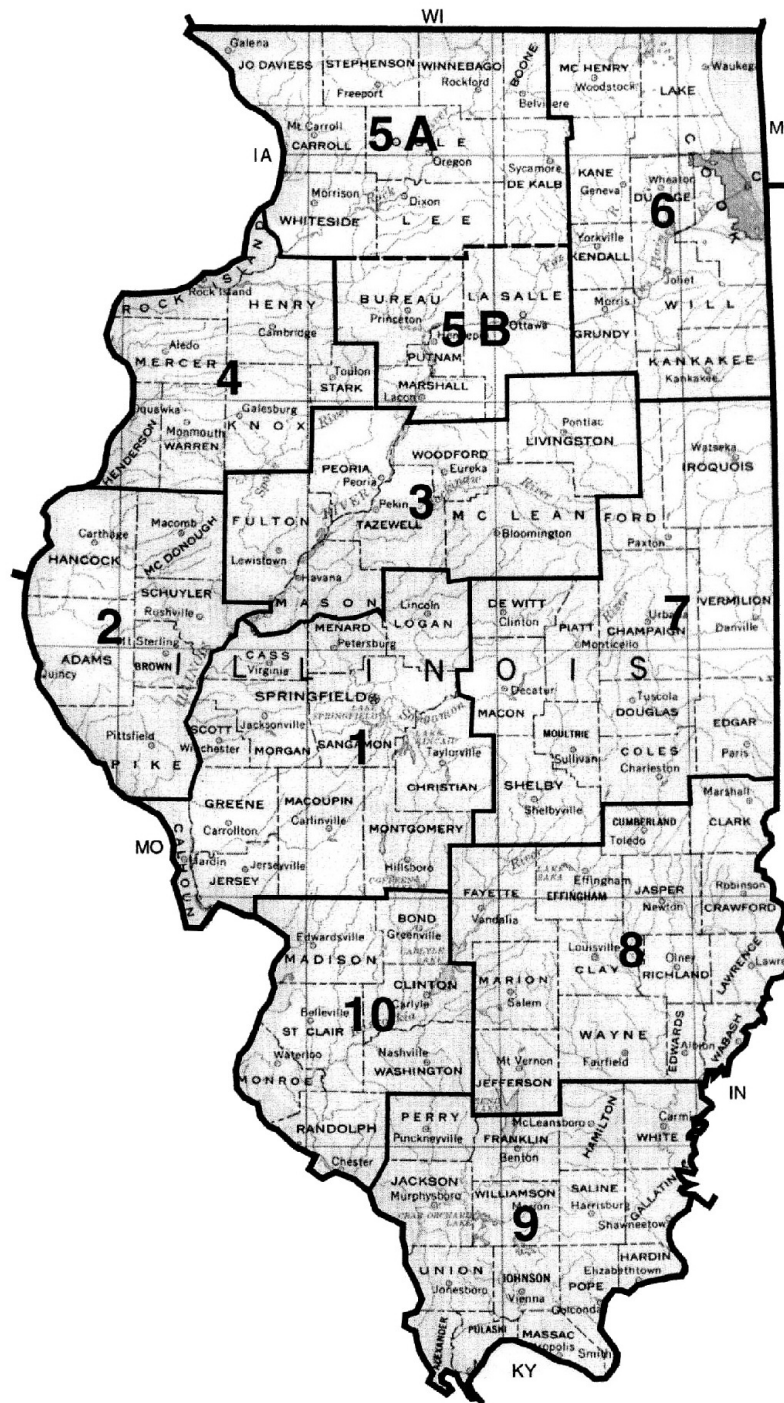
# Illinois State EAS Plan Committee

Jerry Miller, IEMA  
Patti Thompson, IEMA  
Chris Miller, NWS  
Ben Pflederer, CATV  
Patrick Reyes, CATV  
Scott Clifton, PEP  
Kerri Cawley, Area 1  
Jim Lawrence, Area 2  
Mark Hill, Area 3  
Jeff Konrad, Area 4  
John Huntley, Area 5A  
Ben Pflederer, Area 5B  
Ed Bond, Area 7  
Mike Shipman, Area 8  
Jeff Oestreich, Area 9  
Bill Murdoch, Chairman

# Illinois State EAS Plan

## Appendices

## Appendix A - State EAS Local Areas



## Appendix B – Local Primary Stations and Counties Served

Illinois EAS monitor assignments are divided into 11 operational areas. 34 Local Program stations make up the backbone for the relay of Federal and State alerts initiated from the IEMA EOC. The counties served by these 34 LP stations are listed below. Broadcast stations and cable head-ends are required to monitor 2 LP stations to fulfill the F.C.C. EAS monitor requirement. If you experience difficulty receiving a monitor assignment, please contact your local area chairperson.

LP Station Monitor Assignments (by order of preference):

1. IEMA Emergency Radio Network
2. Primary Entry Point
  - a. WLS-AM (890 KHz)
  - b. NPR station with satellite cue channel feed to EAS decoder
3. IPAWS via CAP Server
4. National Weather Service Radio
5. Another LP-1, LP-2, or LP-3 station

### AREA 1 - Springfield

| LP-1  | LP-2             | LP-3 | NPR - PEP        |
|---|------------------|------|------------------|
| WDBR-FM 103.7 MHz   | WNNS-FM 98.7 MHz |      | WUIS-FM 91.9 MHz |
| WTAX-AM 1240 kHz  | WMAY-AM 970 kHz  |      |                  |
| <b><u>12 Counties Served:</u></b><br><br>Cass, Calhoun, Christian, Greene, Jersey, Logan, Menard, Morgan, Montgomery, Macoupin, Sangamon, Scott |                  |      |                  |

### Area 2 - Quincy

| LP-1   | LP-2             | LP-3             | NPR – PEP        |
|--|------------------|------------------|------------------|
| WGEM-FM 105.1 MHz  | WGCA-FM 88.5 MHz | WGEM-TV Ch. DT10 | WIUM-FM 91.3 MHz |
|  |                  |                  |                  |
| <b><u>6 Counties Served:</u></b><br><br>Adams, Brown, Hancock, McDonough, Pike, Schuyler |                  |                  |                  |

### Area 3 - Peoria

| LP-1  | LP-1              | LP-2         | NPR - PEP    |
|---|-------------------|--------------|--------------|
| WSWT-FM 106.9 MHz   | WPBG-FM 93.3 MHz  | WCIC-FM-91.5 | WCBU-FM 89.9 |
| WIRL-AM 1290 kHz  | WMBD-AM 1470 kHz  |              |              |
| WXCL-FM 104.9 MHz   | WNGY-FM 102.3 MHz |              |              |
| <b><u>7 Counties Served:</u></b><br><br>Fulton, Livingston, Mason, McLean, Peoria, Tazewell, Woodford |                   |              |              |

#### Area 4 – Quad Cities

| LP-1             | LP-2              | LP-3 | NPR - PEP        |
|------------------|-------------------|------|------------------|
| WKBF-AM 1270 kHz | KUUL-FM 101.3 MHz |      | WVIK-FM 90.3 MHz |
|                  |                   |      |                  |

##### **7 Counties Served:**

Henry, Henderson, Knox, Mercer, Rock Island, Stark, Warren

#### Area 5A – Rockford

| LP-1             | LP-2              | LP-3 | PEP –WLS-AM-890 |
|------------------|-------------------|------|-----------------|
| WZOK-FM 97.5 MHz | WXRX-FM 104.9 MHz |      |                 |
| WROK-AM 1440 kHz | WGFB-FM 103.1MHz  |      |                 |

##### **9 Counties Served:**

Boone, Carroll, DeKalb, Jo Daviess, Lee, Ogle, Stephenson, Whiteside, Winnebago

#### Area 5B – Ottawa

| LP-1             | LP-2            | LP-3 | PEP-WLS-AM-890 |
|------------------|-----------------|------|----------------|
| WAJK-FM 99.3 MHz | WBBM-AM 780 kHz |      |                |
|                  |                 |      |                |

##### **4 Counties Served:**

Bureau, LaSalle, Marshall, Putnam

#### Area 6 – Chicago

| LP-1           | LP-2            | LP-3 | NPR - PEP        |
|----------------|-----------------|------|------------------|
| WGN-AM 720 kHz | WBBM-AM 780 kHz |      | WBEZ-FM 91.5 MHz |
|                |                 |      |                  |

##### **9 Counties Served:**

Cook, DuPage, Grundy, Kane, Kankakee, Kendall, Lake, McHenry, Will

### Area 7 – Champaign

| LP-1  | LP-2              | LP-3 | NPR - PEP        |
|---|-------------------|------|------------------|
| WHMS-FM 97.5 MHz  | WSOY-FM 102.9 MHz |      | WILL-FM 90.9 MHz |
| WDWS-AM 1400 kHz  |                   |      |                  |
| <b><u>12 Counties Served:</u></b><br>Champaign, Coles, Douglas, DeWitt, Edgar, Ford, Iroquois, Moultrie, Macon, Piatt, Shelby, Vermillion |                   |      |                  |

### Area 8 – Olney

| LP-1  | LP-2             | LP-3             | NPR - PEP        |
|---|------------------|------------------|------------------|
| WSEI-FM 92.9 MHz  | WCRC-FM 95.7 MHz | WMIX-FM 94.1 MHz | WUSI-FM 90.3 MHz |
|   |                  |                  |                  |
| <b><u>14 Counties Served:</u></b><br>Clark, Cumberland, Crawford, Clay, Edwards, Effingham, Fayette, Jefferson, Jasper, Lawrence, Marion, Richland, Wabash, Wayne |                  |                  |                  |

### Area 9 – Marion

| LP-1   | LP-2             | LP-3             | NPR - PEP        |
|--|------------------|------------------|------------------|
| WDDD-FM-107.3 MHz  | WSIU-FM 91.9 MHz | WQRL-FM 106.3MHz | WSIU-FM 91.9 MHz |
|  |                  |                  |                  |
| <b><u>15 Counties Served:</u></b><br>Alexander, Franklin, Gallatin, Hamilton, Harden, Jackson, Johnson, Massac, Perry, Pope, Pulaski, Saline, Union, White, Williamson |                  |                  |                  |

### Area 10 – St. Louis, Missouri

| LP-1  | LP-2             | LP-3 | NPR - PEP        |
|---|------------------|------|------------------|
| KMOX-AM 1120 kHz  | WSDZ-AM 1260 kHz |      | KMOX-AM 1120 kHz |
| WIL-FM 92.3 MHz   | KTRS-AM 550 kHz  |      |                  |
| NOTE: KMOX <u>Does Not</u> forward the IEMA RMT. KMOX transmits the RMT at random times. KMOX <u>Does</u> hand forward any EAS message. |                  |      |                  |
| <b><u>7 Counties Served:</u></b><br>Bond, Clinton, Madison, Monroe, Randolph, St. Clair, Washington                                     |                  |      |                  |

## Appendix C – NOAA Weather Radio Coverage in Illinois

### NOAA Weather Radio Station Listing

| <u>Site Name</u> | <u>Transmitter Name</u> | <u>Call Sign</u>       | <u>Frequency</u> | <u>Power</u> | <u>WFO</u>        |
|------------------|-------------------------|------------------------|------------------|--------------|-------------------|
| Bloomington      | Bloomington             | <a href="#">KZZ65</a>  | 162.525          | 300          | Lincoln, IL       |
| Champaign        | Champaign               | <a href="#">WXJ76</a>  | 162.550          | 1000         | Lincoln, IL       |
| Chester          | Chester                 | <a href="#">KXI42</a>  | 162.450          | 300          | Weldon Spring, MO |
| Chicago          | Willis Tower            | <a href="#">KWO39</a>  | 162.550          | 500          | Romeoville, IL    |
| Crescent City    | Crescent City           | <a href="#">KXI86</a>  | 162.500          | 300          | Romeoville, IL    |
| Crystal Lake     | Crystal Lake            | <a href="#">KXI41</a>  | 162.500          | 300          | Romeoville, IL    |
| DeKalb           | DeKalb                  | <a href="#">WNG536</a> | 162.550          | 1000??       | Romeoville, IL    |
| Dixon            | Dixon                   | <a href="#">KZZ55</a>  | 162.525          | 300          | Romeoville, IL    |
| Freeport         | Eleroy                  | <a href="#">KZZ56</a>  | 162.450          | 300          | Davenport, IA     |
| Galesburg        | Galesburg               | <a href="#">KZZ66</a>  | 162.400          | 300          | Lincoln, IL       |
| Hillsboro        | Hillsboro               | <a href="#">KXI79</a>  | 162.425          | 300          | Weldon Spring, MO |
| Jacksonville     | Jacksonville            | <a href="#">WXM90</a>  | 162.525          | 300          | Lincoln, IL       |
| Jerseyville      | Jerseyville             | <a href="#">KXI70</a>  | 162.450          | 300          | Weldon Spring, MO |
| Kankakee         | Aroma Park              | <a href="#">KZZ58</a>  | 162.525          | 300          | Romeoville, IL    |
| Lockport         | Downers Grove           | <a href="#">KZZ81</a>  | 162.425          | 1000         | Romeoville, IL    |
| Macomb           | Macomb                  | <a href="#">WXJ92</a>  | 162.500          | 1000         | Davenport, IA     |
| Marion           | Goreville               | <a href="#">WXM49</a>  | 162.425          | 1000         | Paducah, KY       |
| McLeansboro      | McLeansboro             | <a href="#">KXI52</a>  | 162.400          | 300          | Paducah, KY       |
| Newton           | Newton                  | <a href="#">KXI48</a>  | 162.450          | 1000         | Lincoln, IL       |
| Odell            | Odell                   | <a href="#">WXK24</a>  | 162.450          | 1000         | Romeoville, IL    |
| Paris            | Paris                   | <a href="#">KXI47</a>  | 162.525          | 300          | Lincoln, IL       |
| Peoria           | East Peoria             | <a href="#">WXJ71</a>  | 162.475          | 1000         | Lincoln, IL       |
| Plano            | Yorkville               | <a href="#">KXI58</a>  | 162.400          | 300          | Romeoville, IL    |
| Princeton        | Tiskilwa                | <a href="#">WXL22</a>  | 162.425          | 300          | Davenport, IA     |
| Quad Cities      | Rock Island             | <a href="#">WXJ73</a>  | 162.550          | 1000         | Davenport, IA     |
| Rockford         | Latham Park             | <a href="#">KZZ57</a>  | 162.475          | 1000         | Romeoville, IL    |
| Salem            | Salem                   | <a href="#">KXI49</a>  | 162.475          | 1000         | Weldon Spring, MO |
| Shelbyville      | Tower Hill              | <a href="#">KXI46</a>  | 162.500          | 300          | Lincoln, IL       |
| Springfield      | Mechanicsburg           | <a href="#">WXJ75</a>  | 162.400          | 1000         | Lincoln, IL       |

Number of Stations in Illinois = 29

Web page for NOAA Weather Radio Coverage in Illinois: <http://www.nws.noaa.gov/nwr/Maps/PHP/IL.php>

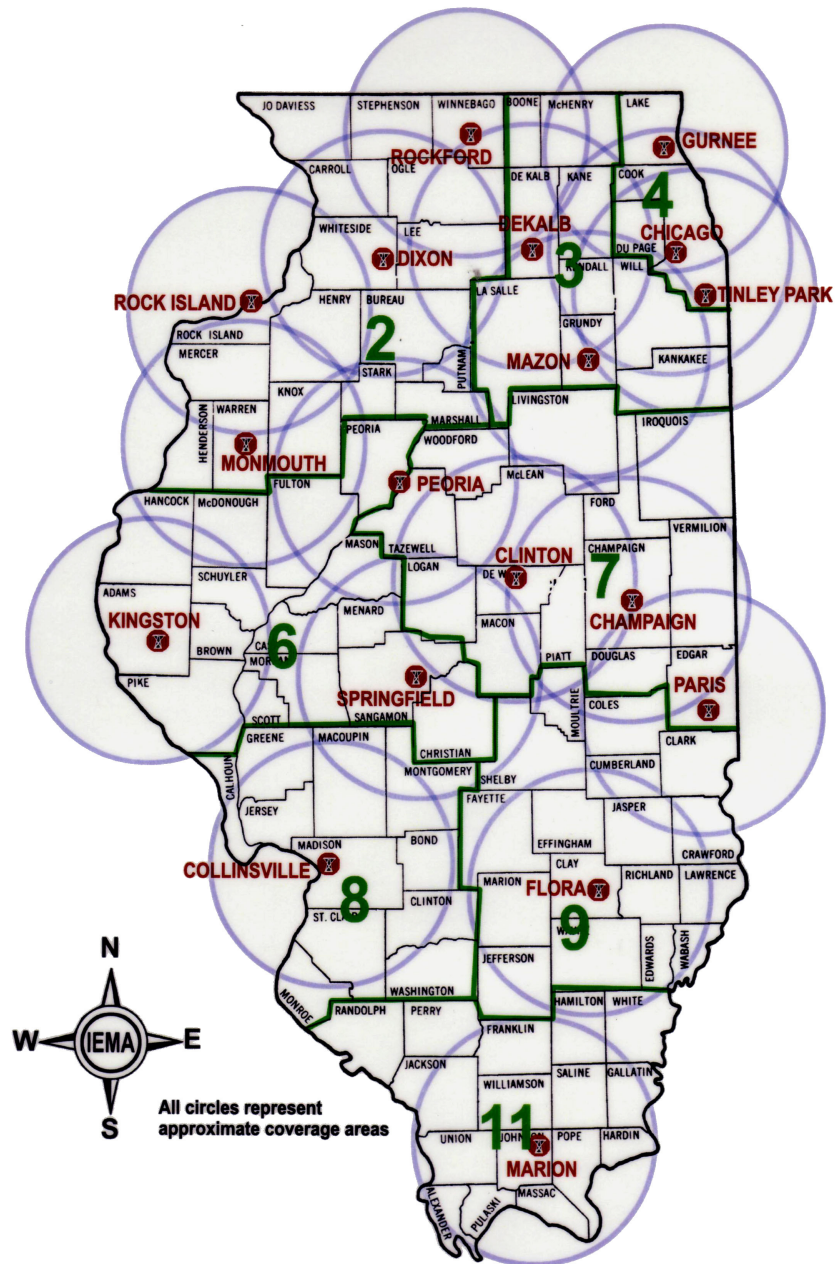
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## **HazCollect**

NOAA Weather Radio (NWR) signed an agreement to relay alerts from the U.S. Department of Homeland Security (DHS) regarding threats of a national, state, or regional level. NWR stations will begin participating in a second new program, called **HazCollect**. This program enables your local Emergency Management personnel to log onto a FEMA website and send a secured EAS message over your local NWR station. These alerts may use any of the 13 non-weather local emergency EAS Codes adopted by the FCC. To ensure receiving these alerts, the Illinois SECC recommends that all broadcaster and cable operators monitor NWR. Information on HazCollect can be found at: [www.weather.gov/os/hazcollect](http://www.weather.gov/os/hazcollect)



## Appendix D - IEMA Emergency Radio Network (45.44 MHz)



## Appendix E – Local Plans

|                         |   |
|-------------------------|---|
| Chicago E911 Local Plan | No Website Available  |
| DuPage County           | <a href="http://www.co.dupage.il.us/oem/index.cfm">http://www.co.dupage.il.us/oem/index.cfm</a> |
| Kane County             | <a href="http://www.kcoem.org/">http://www.kcoem.org/</a>                                       |
| Will County             | <a href="http://willcountyema.org">http://willcountyema.org</a>                                 |
| Sangamon County         | <a href="http://www.co.sangamon.il.us">http://www.co.sangamon.il.us</a>                         |
| Winnebago County        | <a href="http://www.winnebagoheriff.com">http://www.winnebagoheriff.com</a>                     |

Other plans may exist but they are not registered with IEMA or the SECC

## Appendix F – ISP & NWS Amber Alert Procedures

### Illinois State Police and the National Weather Service Amber Alert Procedure's

#### **Illinois State Police (ISP):**

- The ISP will review all AMBER Alert requests from Illinois law enforcement agencies before disseminating the information.
- The ISP will review AMBER Alerts provided by surrounding states and initiate these alerts in those instances deemed appropriate.
- The ISP will determine the appropriate regions of the state for the distribution of the alert.
- The ISP will distribute pertinent AMBER information in an electronic format.  
(The current practice includes the use of the EAS system followed by a facsimile)
- The ISP will provide a termination message once the AMBER investigation has been resolved.

#### **National Weather Service (NWS):**

- The NWS will install and maintain a software terminal at the ISP communications center.
- The NWS agrees to broadcast any AMBER alerts to NOAA weather radio transmitters in areas specified by ISP.
- The NWS will transmit the scripted AMBER alert as a data product similar to a tornado warning.
- The NWS has agreed to do a closed circuit monthly AMBER alert test from ISP to NWS.
- The NWS will use either a concatenated voice, or at their option, a live announcement (manual broadcast).
- The NWS will only accept AMBER alerts cleared by the ISP. All other requests will be forwarded to the ISP.
- The NWS will not transmit the 1050-hertz warning alarm tone for AMBER alerts.

**Illinois Broadcaster Association (IBA)/State Emergency Communications Committee (SECC):**

- In order to avoid duplication of alerts, it is recommended that designated LP1 and LP2 stations refrain from initiating Amber alerts. The exception to that rule is that if an LP1 or LP2 station receives a blast fax of an Amber alert from ISP but does not receive an Amber alert on its NWS weather radio, the LP station should then initiate the Amber alert 30 minutes after receiving the blast fax.
- LP1 and 2 stations may elect to retransmit alerts received from NWS immediately if they wish because a retransmission will be ignored by stations that have already received the alert via NWS. Stations that are not monitoring NWS will receive the retransmission as a first alert.

## Appendix G– Additional Websites For additional Information:

### FCC Websites

FCC EAS home page: <http://www.fcc.gov/pshs/services/eas/>  
Cable handbook: [http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-278628A2.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-278628A2.pdf)  
TV Handbook: [http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-278628A5.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-278628A5.pdf)  
Radio Handbook: [http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-278628A3.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-278628A3.pdf)  
Link to State Plans: <http://www.fcc.gov/pshs/services/eas/chairs.html>  
Disaster Support: <http://www.fcc.gov/pshs/broadcastersupport.html>

### State of Illinois Website:

Illinois State Plan: [http://ilba.org/downloads/FCC/Illinois\\_EAS\\_Plan.pdf](http://ilba.org/downloads/FCC/Illinois_EAS_Plan.pdf)

### Manufactures web sites:

SAGE ENDEC: <http://www.sagealertingsystems.com>  
Multi-Technical Svc: <http://www.mts-comm.com/>  
Trilithic: <http://www.eas.trilithic.com>  
Monroe Electronics: <http://www.digitalalertsistemas.com>  
AM Loop Antenna: <http://www.belar.com/AM/lp1.htm>  
<https://inlogisinc.com/products/fm-hd-radio-antennas/ultimate-broadcast-band-antenna>

**National Weather Service:** <http://www.nws.noaa.gov>

### Broadcast Sites:

Illinois Broadcast Assoc. <http://www.ilba.org>  
Broadcast link Site: <http://www.thebdr.net/>  
Station listings: <http://radio-locator.com>

### Amber Alert Related Sites:

Illinois State Police Amber Alert: <http://www.amberillinois.org>  
California Alert Site: <http://www.amberalert.gov>  
National Amber Site: <http://www.missingkids.com>

## Appendix H– EAS Protocol Information:

### **The EAS Protocol is as follows (from 47CFR11.31(c) current as of 7/28/2017)**

[PREAMBLE]ZCZC-ORG-EEE-PSSCCC + TTTT-JJJHHMM-LLLLLLLLL-(one second pause)

[PREAMBLE]ZCZC-ORG-EEE-PSSCCC + TTTTpJJJHHMM-LLLLLLLLL-(one second pause)

[PREAMBLE]ZCZC-ORG-EEE-PSSCCC + TTTT-JJJHHMM-LLLLLLLLL-(at least a one second pause)

(transmission of 8 to 25 seconds of Attention Signal)

(transmission of audio, video or text messages)

(at least a one second pause)

[PREAMBLE]NNNN (one second pause)

[PREAMBLE]NNNN (one second pause)

[PREAMBLE]NNNN (at least one second pause)

[PREAMBLE] This is a consecutive string of bits (sixteen bytes of AB hexadecimal [8 bit byte 10101011]) sent to clear the system, set AGC and set asynchronous decoder clocking cycles. The preamble must be transmitted before each header and End of Message code.

ZCZC—This is the identifier, sent as ASCII characters ZCZC to indicate the start of ASCII code.

ORG—This is the Originator code and indicates who originally initiated the activation of the EAS. These codes are EAS, CIV, WXR, and PEP.

EEE—This is the Event code and indicates the nature of the EAS activation. The required codes are RWT, RMT, NPT, and EAN. Additional codes can be found in the FCC rules at 47CFR11.31(e).

PSSCCC—This is the Location FIPS code and indicates the geographic area affected by the EAS alert. There may be 31 Location codes in an EAS alert. Location FIPS codes for the state of Illinois are listed in Appendix I.

+ TTTT—This indicates the valid time period of a message in 15 minute segments up to one hour and then in 30 minute segments beyond one hour; *i.e.*, + 0015, + 0030, + 0045, + 0100, + 0430 and + 0600.

JJJHHMM—This is the day in Julian Calendar days (JJJ) of the year and the time in hours and minutes (HHMM) when the message was initially released by the originator using 24 hour Universal Coordinated Time (UTC).

LLLLLLLL—This is the identification of the EAS Participant, NWS office, etc., transmitting or retransmitting the message. These codes will be automatically affixed to all outgoing messages by the EAS encoder.

NNNN—This is the End of Message (EOM) code sent as a string of four ASCII N characters

## Appendix I– Illinois FIPS Codes:

|       |            |       |           |       |            |       |             |       |            |
|-------|------------|-------|-----------|-------|------------|-------|-------------|-------|------------|
| 17001 | Adams      | 17043 | Du Page   | 17085 | Jo Daviess | 17127 | Massac      | 17169 | Schuyler   |
| 17003 | Alexander  | 17045 | Edgar     | 17087 | Johnson    | 17129 | Menard      | 17171 | Scott      |
| 17005 | Bond       | 17047 | Edwards   | 17089 | Kane       | 17131 | Mercer      | 17173 | Shelby     |
| 17007 | Boone      | 17049 | Effingham | 17091 | Kankakee   | 17133 | Monroe      | 17175 | Stark      |
| 17009 | Brown      | 17051 | Fayette   | 17093 | Kendall    | 17135 | Montgomery  | 17177 | Stephenson |
| 17011 | Bureau     | 17053 | Ford      | 17095 | Knox       | 17137 | Morgan      | 17179 | Tazewell   |
| 17013 | Calhoun    | 17055 | Franklin  | 17097 | Lake       | 17139 | Moultrie    | 17181 | Union      |
| 17015 | Carroll    | 17057 | Fulton    | 17099 | La Salle   | 17141 | Ogle        | 17183 | Vermilion  |
| 17017 | Cass       | 17059 | Gallatin  | 17101 | Lawrence   | 17143 | Peoria      | 17185 | Wabash     |
| 17019 | Champaign  | 17061 | Greene    | 17103 | Lee        | 17145 | Perry       | 17187 | Warren     |
| 17021 | Christian  | 17063 | Grundy    | 17105 | Livingston | 17147 | Piatt       | 17189 | Washington |
| 17023 | Clark      | 17065 | Hamilton  | 17107 | Logan      | 17149 | Pike        | 17191 | Wayne      |
| 17025 | Clay       | 17067 | Hancock   | 17109 | McDonough  | 17151 | Pope        | 17193 | White      |
| 17027 | Clinton    | 17069 | Hardin    | 17111 | McHenry    | 17153 | Pulaski     | 17195 | Whiteside  |
| 17029 | Coles      | 17071 | Henderson | 17113 | McLean     | 17155 | Putnam      | 17197 | Will       |
| 17031 | Cook       | 17073 | Henry     | 17115 | Macon      | 17157 | Randolph    | 17199 | Williamson |
| 17033 | Crawford   | 17075 | Iroquois  | 17117 | Macoupin   | 17159 | Richland    | 17201 | Winnebago  |
| 17035 | Cumberland | 17077 | Jackson   | 17119 | Madison    | 17161 | Rock Island | 17203 | Woodford   |
| 17037 | De Kalb    | 17079 | Jasper    | 17121 | Marion     | 17163 | St Clair    |       |            |
| 17039 | De Witt    | 17081 | Jefferson | 17123 | Marshall   | 17165 | Saline      |       |            |
| 17041 | Douglas    | 17083 | Jersey    | 17125 | Mason      | 17167 | Sangamon    |       |            |

## **END**

Rev. Nov. 2010 1.0 (rev. LP stations in area 2, Added NPR link for EAN, area contact list; links; )

Rev. June 2014 Change LP stations, add area plan for Winnebago County, change area contact list, remove references to EMNET, add reference to CAP protocol.

Rev June 2015, Remove LAE Only language from Local Plan. Revised area contacts. Jersey County moved from Area 10 to area 1. Revised web addresses for EAS manufacturers. Revised local plan guidance. Revised table of NWS stations as supplied by Chris Miller.

Rev June 2017, Add NPT designations and procedures, add IPAWS distribution of IEMA RMT's, change contacts for area chairs, and FCC Liaisons, add Appendix H EAS Protocols, add Appendix I Illinois FIPS codes.