

State Emergency Alert System Plan

2013



Promulgation Letter

August 5, 2013

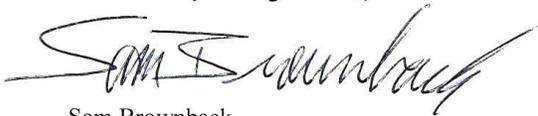
The State of Kansas may be subject to a variety of emergencies and disasters to which it should be prepared to respond. Such emergencies and disasters may have harmful effects upon the citizens of Kansas, but those effects can be mitigated by effective planning, operations, and public communication, which should represent a coordinated effort of all resources available to the state. The State of Kansas Emergency Alert System Plan is the result of such an effort, obtained through the Adjutant General's Department, Division of Emergency Management, with the cooperation of the State Emergency Communications Committee, the broadcasters and cable systems within the state. This plan has been established pursuant to KSA 48-926 and FCC CFR 47, Part 11.

The Adjutant General/Director of Emergency Management is authorized to activate and deactivate the State Emergency Alert System. Federal messages will pass automatically throughout the State of Kansas Emergency Alert Relay System.

This plan shall serve as the procedure for public emergency alerting should an emergency or disaster strike anywhere in the state. This plan sets forth explicit responsibilities based upon statutory mandates and/or capabilities for the broadcasters and cable systems in Kansas.

As Governor of the State of Kansas, I hereby approve the 2013 State of Kansas Emergency Alert System Plan and commend all parties involved in its preparation for their commitment and dedication to protect the lives of the citizens of the State of Kansas.

This fifth day of August 2013,



Sam Brownback
Governor

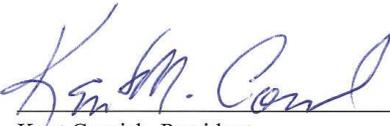
Concurrences

The below signatories concur with the contents of the State of Kansas Emergency Alert System Plan as prepared the input of the Kansas broadcasters, cable system operators, county emergency mangers, and the National Weather Service forecast offices through representation on the State Emergency Communications Committee.



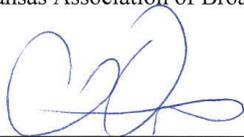
Roy Baum, Chairperson
State Emergency Communications Committee

8-14-13
Date



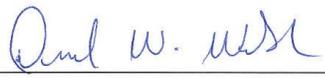
Kent Cornish, President
Kansas Association of Broadcasters

8/23/13
Date



Chad Omitt, Warning Coordinating Meteorologist
National Weather Service

8-28-13
Date



Derek Welsh, Kansas AMBER Alert Coordinator
Kansas Bureau of Investigation

8-29-13
Date



Angee Morgan, Deputy Director
Kansas Division of Emergency Management

8/29/13
Date

Contents

Promulgation Letter	i
Concurrence Signatures.....	ii
Record of Changes.....	iii
Purpose.....	1
Authority.....	1
Introduction.....	1
General Considerations.....	1
Definitions.....	2
Concept of Operation.....	3
Methods of Access for System Activation.....	3
A. State Activation.....	3
B. Federal Activation.....	3
C. County/Local Activation.....	4
D. National Weather Service Activation	4
Communication Links between Kansas Division of Emergency Management and the State Primary.....	4
Activation Procedures for Governor Designee	5
I. Procedures for State Activation	5
II. Procedures for the State Primary (SP) Station, EAS Broadcast Stations and Cable Systems.	6
III. Delivery of EAS Messages by Cable Operators	7
IV. Monthly Test.....	8
V. Weekly Test	9
VI. Severe Weather Awareness Week	9
Reporting EAS System Changes or Problems	9
Plan Review Requirements	10
Annex A: Officials Designated to Activate the Kansas Emergency Alert System (EAS) or Their Designee...	11
Annex B: State Emergency Communication Committee Members.....	12

Annex C: Authentication Procedures to Activate the Kansas EAS	13
Annex D: Kansas State EAS Television Stations Information	14
Annex E: Kansas Radio/Television Stations	16
Annex F: Cable Systems Kansas EAS Monitoring Assignments	23
Annex G: Kansas County Federal Information Processing Standard (FIPS) Codes.....	34
Annex H: Kansas EAS Event Codes.....	41
Annex I: Kansas EAS Relay Network	43
Annex J: Integrated Public Alert and Warning System (IPAWS)	44
Annex K: NOAA Weather Radio Transmitter Sites	45

Purpose

The purpose of this document is to provide and explain procedures for the dissemination of emergency information by the appropriate broadcast, cable, and government officials during threatened or actual emergencies.

Authority

Title 47 of the Code of Federal Regulations (CFR) deals with the Federal Communication Commission (FCC) Rules and Regulations. Part 11 of CFR Title 47 gives the authority for and regulates the operation of the Emergency Alert System.

Introduction

This plan was developed by the Kansas State Emergency Communications Committee, in cooperation with the Kansas Division of Emergency Management, the Federal Communication Commission, the National Weather Service in Dodge City, Goodland, Topeka, Wichita, Hastings, NE, Pleasant Hill, MO, Springfield, MO, state and local officials, and the broadcasters and cable operators of Kansas. It provides background data and prescribes specific procedures for the broadcast and cable media to issue emergency information and warning to the general public in Kansas.

Acceptance of, or participation in, this plan shall not be deemed to prohibit a licensee or cable operator from exercising his independent discretion and responsibility in any given situation. The concept of management of each broadcast station or cable system to exercise discretion regarding the transmission of emergency messages and instructions to the general public is provided by the FCC Rules and Regulation, Part 11. Broadcast stations and cable systems originating emergency communications under this section have conferred rebroadcast authority of the other participating broadcast stations and cable systems that receive their emergency communication, as specified in Section § 11.54 (d) of FCC Part 11.

EAS Local Operational Area Plans will detail local EAS procedures agreed upon by the broadcasters, cable systems, and local governments. These local EAS plans will be included as Annexes to this plan.

General Considerations

The listening and viewing habits of the general public are inherent factors of consideration and are conducive to the positive effectiveness of the Kansas EAS. The instinctive reaction of the average person is to turn on his/her radio or television set in time of emergency. However, continued public education is required to increase public awareness of the Kansas EAS network as an established medium for the receipt and/or distribution of emergency information to the general public at the local, state, and national levels.

Definitions

Designated Government Officials: The person or persons designated as government signatory to this procedure to request activation of the EAS and to make emergency announcements (see Annex A).

Emergency: A situation posing an extraordinary threat to the safety of life and property. Examples are, but not limited to, natural situations such as tornadoes, flash floods, icing conditions, heavy snows, widespread fires; and manmade situations such as discharge of toxic gases, widespread power failures, industrial explosions, civil disorders, and nuclear incidents.

Local Primary (LP): The local area broadcast station which provides the National, State, and Local EAS message to the other broadcast stations and cable systems within its local area.\

National Primary (NP): Broadcast station that provides the Presidential or other national EAS activations and programming, including broadcast stations involved with the PEP system and EAN Networks.

Non-Participating National (NN): Broadcast station or cable system that has selected not to participate in the national-level EAS and removes its carrier from the air if national-level activation occurs.

Participating National (PN): Broadcast stations and cable systems which monitor either national, state, or local EAS message inputs and directly feed National EAS messages to the public.

Primary Entry Point: Key broadcast stations throughout the U.S. which together can provide national emergency information in the event that the primary national alerting methods are inoperable.

Severe Weather Warning: A severe weather WARNING indicates that a particular severe weather storm has actually been sighted in an area or indicated by radar, and serves notice to the public that severe weather conditions are almost certain to occur.

Severe Weather Watch: A watch is issued when weather conditions are favorable for the development of severe thunderstorms that are capable of producing large hail, damaging winds or tornadoes. A watch does not mean that the severe weather is actually occurring; only that conditions have created a significant risk for it. If severe weather is imminent, a warning will be issued.

State Primary (SP): The primary broadcast station which transmits State of Kansas and National EAS messages. These messages can originate from the Governor or a designated representative or the National Weather Service. The EAS messages can be initiated in the State Emergency Operation Center (SEOC) or from WIBW-FM radio station. Messages are sent via the Kansas Information Network (satellite) or the State Relay Network to the LP stations for further rebroadcast in the Local EAS Operational Area.

State Relay: An entity which receives and retransmits EAS activations. The entity serves as a link in the State Relay Network and assists transmitting a state activation to all Local EAS areas.

Concept of Operation

- A. Kansas EAS system uses the Kansas Information Network (KIN) satellite network to simultaneously communicate the National and/or State EAS message to the Local Primary stations. The KIN network is operated by WIBW-FM, the State Primary.
- B. The State Relay (SR) network serves as a backup to the satellite network (see Annex D). The relay network is a web structure initiating from WIBW-FM and KTPK-FM stations. The network fans out across the state in four tiers or hops from one State Relay station to the next. Each SR station monitors at least one of the upper tier stations and rebroadcasts the EAS message. The State Relay or KIN supplies the National and State EAS messages to Local Primary Stations.

Methods of Access for System Activation

A. State Activation

Kansas EAS is activated by a request from authorized officials to the State's EAS State Primary (SP). The State Emergency Operation Center (SEOC) and WIBW in Topeka are key with respect to activation of the EAS at the State level. State Relay stations monitor the SP in accordance to the Kansas EAS State Relay Network plan (see Annex H). The functioning of this network of state relay station is key to the successful dissemination of State level EAS emergency information.

B. Federal Activation

Access to the nationwide EAS network by Federal authorities is achieved by Federal interface with radio stations, television networks, participating subject cable systems, communications common carriers, wire services, and other participating organizations. The Federal EAS message is sent to WHB-AM, a Primary Entry Point (PEP) station, which is monitored by WIBW-FM (SP) and KTPK-FM (SP-1). The Federal EAS message is then relayed to the Kansas public via the Kansas EAS Relay System.

C. County/Local Activation

Operational area and/or individual Counties’ EAS activation procedures are defined in Local EAS plans. Each Local Operational Area is encouraged to establish a Local EAS plan for use of the broadcast and cable media for distribution of emergency information to the general public. The procedures contained in this document do not pertain to County or Local governmental operations.

D. National Weather Service Activation

Standard Operating Procedures (SOP) prescribe that the NWS notify KDEM of any watch or warning which affects all or part of the State of Kansas. This is accomplished by dissemination through the National Weather Wire Service and the state-side of the National Warning System (NAWAS). Although the likelihood of a statewide watch or warning may be slim, there may be occasions when a weather watch or warning would affect more than one EAS operating area.

Communication Links between Kansas Division of Emergency Management and the State Primary

- A. Commercial telephone exists between the Kansas Division of Emergency Management, the broadcast and cable facilities of the state.

	<u>Telephone Numbers</u>
State Primary (SP): WIBW-FM	(785) 272-3456 (785) 272-3481 (785) 228-7261
Kansas Division of Emergency Management 24-hour Emergency Notification Line	(785) 274-1409 (785) 291-3333
National Weather Service Offices:	
Dodge City	(620) 225-6514
Goodland	(785) 899-7119
Hastings, NE	(402) 462-4287
Kansas City-Pleasant Hill, MO	(816) 540-6021
Springfield, MO	(417) 863-8028
Topeka	(785) 234-2592
Wichita	(316) 942-3102

scheduled to explain response action. This should be articulated in a brief 90 second summary as to: where and when residents can tune in emergency information on actions being taken by state and/or local government(s). Note: Use channel frequency, avoid call letters. It is understood that more than one EAS Message may be necessary in large disasters.

4. Keep line open if necessary.
5. Issue End of Message (EOM).

II. Procedures for the State Primary (SP) Station, EAS Broadcast Stations and Cable Systems.

1. Upon receipt of a request to activate EAS at the state level, the duty operator at WIBW-FM (State Primary source) will authenticate (see Annex C), record the emergency message, verify that the message is for statewide distribution, enter proper header codes in the EAS encoder and proceed as follows:
 - a. Transmit the following announcement:
“WE INTERRUPT THIS PROGRAM TO ACTIVATE THE KANSAS EMERGENCY ALERT SYSTEM AT THE REQUEST OF _____
AT _____.”
(authority) (time)
 - b. Transmit the Emergency Alert System header codes and Attention signal: (FCC Regulations, Section § 11.51).
 - c. Transmit the following announcement:
“WE INTERRUPT THIS PROGRAM TO ACTIVATE THE KANSAS EMERGENCY ALERT SYSTEM AT THE REQUEST OF _____
AT _____.”
(authority) (time)
 - d. Make the emergency announcement. Repeat as necessary and include the source of information and the time received.
 - e. Transmit the EAS End of Message (EOM) code (See FCC Regulations, Section § 11.31). Note: the EOM is placed automatically after the two minute audio message.

2. Each broadcast station and cable system, upon receipt of a State level emergency action notification will, at the discretion of management perform the same procedures as outlined in B1 above, including recording all emergency messages.
3. To avoid unnecessary escalation of public confusion, all broadcast stations and cable systems must be cautious in providing information and news pertaining to the emergency. All messages must be based on definite and confirmed facts. The public must not be left to decide what is or is not factual.
4. Upon completion of the above transmission procedures, resume normal programming. Appropriate notations should be made in station and cable records and logs of all significant events. These records should be carefully preserved in the event they are required at some later date (FCC Regulations, Section § 11.55). Stations and cable systems may send a very brief summary to the FCC for informational purposes.
5. If operations were not concluded as specified in B.1.e. above, upon receipt of the termination notice from the activating official, make the following announcement and transmit the EOM code:

“THIS CONCLUDES OPERATIONS UNDER THE KANSAS
EMERGENCY ALERT SYSTEM. ALL BROADCAST STATIONS
AND CABLE SYSTEMS MAY NOW RESUME NORMAL
OPERATIONS.”

(Repeat announcement).

III. Delivery of EAS Messages by Cable Operators

1. The FCC requires all wired cable systems that serve 10,000 or more subscribers to install EAS equipment and provide EAS audio and video messages on all channels by December 31, 1998.
2. The FCC requires all wired cable systems that serve 5,000 or more, but fewer than 10,000 subscribers to install EAS equipment and provide EAS audio and video messages on all channels by October 1, 2002.
3. The FCC requires all wired cable systems that serve fewer than 5,000 subscribers either to provide the national level EAS message on all programmed channels – including the required testing – or to install EAS equipment and provide a video

interrupt and audio alert on all programmed channels and EAS audio and video messages on at least one programmed channel by October 1, 2002.

4. The FCC requires that wireless cable systems participate in the EAS on the same basis as wired cable systems.
5. The FCC declines, however, to require participation by Satellite Master Antenna Television (SMATV) and Open Video Systems (OVS) in the EAS at this time.

IV. Monthly Test

1. Statewide test of the Kansas Emergency Alert System:
The Required Monthly Test (RMT) is designed to check the State EAS Web links. The Kansas Emergency Communication Committee has set forth that the RMT will be a statewide test. The RMT is prescheduled and will be initiated from WIBW-FM, the SP. All stations need to rebroadcast the RMT as soon as possible but not later than 15 minutes after receipt. In Kansas, all broadcasters are at most only one station away from a WIBW-FM/or a “KIN” affiliate.

Required Monthly Test Schedule

Odd-numbered months: Second Tuesday of the month at 1:52 p.m.

Even-numbered months: Second Tuesday of the month at 1:52 a.m.

2. The required monthly test audio must be aired as received and stored by your EAS unit. Stations should not send their own tests generated by their EAS unit. This will cause additional messages to be re-sent by stations monitoring you. It is important that all stations broadcast the same message so it will have the same “Header Code”. Duplicates of a previous message having the same header code “Day-Date-Time”, will not be re-broadcast by the EAS equipment.
3. The following test script is recommended for use during required monthly test.
“THIS IS A COORDINATED MONTHLY TEST OF THE BROADCAST STATIONS OF YOUR AREA. EQUIPMENT THAT CAN QUICKLY WARN YOU DURING EMERGENCIES IS BEING TESTED. IF THIS HAD BEEN AN ACTUAL EMERGENCY SUCH AS (SEVERE WEATHER WARNINGS: *INSERT TYPES OF EMERGENCIES THAT MAY OCCUR IN THE GEOGRAPHIC AREA*), OFFICIAL MESSAGES WOULD HAVE FOLLOWED THE ALERT TONE. THIS CONCLUDES THIS TEST OF THE EMERGENCY ALERT SYSTEM. THIS STATION SERVES THE STATE OF KANSAS.”

4. Follow-up of a Failed Monthly Test

Upon discovering a failed test, you are required to call the transmitting station and discover the cause of the failed test. It is the responsibility of the stations on both ends of the link to ensure the EAS Monthly Test is transmitted and received successfully.

V. *Weekly Test*

1. The weekly test ensures that station to station links are up and running. Each station is required to originate and log their weekly test. Each station is also required to monitor and log receipt of weekly tests from both of their monitoring assignments. The print out should be attached to your station log for that day. A weekly test should be sent at various times of the day or night and should be sent on various days of the week including weekends.

2. Follow-up of a Failed Weekly Test

Upon discovering a failed test (i.e. weekly test not received), you are required to contact your monitoring source and discover the cause of the failed test. It is the responsibility of stations on both ends of the links to ensure the Weekly EAS Test is transmitted and received successfully.

VI. *Severe Weather Awareness Week*

Early in March, the National Weather Service and the County Emergency Management Coordinators gear up for Severe Weather Season. The Severe Weather Spotters attend training to review correct spotting techniques. The communication systems and warning system, such as the Tornado sirens and also the Emergency Alert System (EAS) are tested. The most assured way to check the EAS links is for the National Weather Service to send an agreed upon code during the state wide Tornado test. The National Weather Service is the lead agency for this test. The National Weather Service will coordinate with the Emergency Management Coordinator and broadcasters as to whether the test will be organized state wide or on a regional basis. Contact the National Weather Service Office that services your area for specific information.

Reporting EAS System Changes or Problems

Any changes in the monitoring assignment need to be coordinated through the Kansas State Emergency Communication Committee. Problems receiving weekly and monthly test that are unable to be resolved need to be reported to the KSECC within 30 days of occurrence. The KSECC needs to know where the EAS links are incomplete and will work to coordinate a

solution. These concerns can be forwarded to the Kansas Division of Emergency Management, Attention the KSECC.

Plan Review Requirements

This plan recognizes that the components of the EAS network are dynamic in nature; the Kansas State Emergency Communications Committee (SECC) conducts ongoing research and development of communications capabilities across the state in conjunction with the broadcasters, cable system operators, Kansas Division of Emergency Management (KDEM), Federal Emergency Management Agency (FEMA), Federal Communications Commission (FCC), and other interested parties. Needs, facilities, and technology all change with time – these changes requires periodic review of this plan to ascertain the adequacy and appropriateness of the various system parameters. The SECC in conjunction with the broadcasters, cable system operators, KDEM, FEMA, FCC, and other interested parties will review this plan annually and revise the plan every 3 years.

The Kansas State Emergency Communications Committee (SECC) in conjunction with the broadcasters, cable system operators, Kansas Division of Emergency Management (KDEM), Federal Emergency Management Agency (FEMA), Federal Communications Commission (FCC), and other interested parties will review this plan every three years. Changes to the network configuration and/or this plan will be coordinated by the SECC. All participants of Kansas EAS network will be advised of these changes. Any entity participating in this plan is invited to provide written feedback as desired.

Annex A
Officials Designated to Activate the Kansas Emergency Alert System (EAS) or
Their Designee

Governor, State of Kansas
The Adjutant General, Director, Kansas Division of Emergency Management
Deputy Director, Kansas Division of Emergency Management
Kansas Bureau of Investigation
Meteorologist-in-Charge, National Weather Service, Dodge City, KS
Meteorologist-in-Charge, National Weather Service, Goodland, KS
Meteorologist-in-Charge, National Weather Service, Hastings, NE
Meteorologist-in-Charge, National Weather Service, Kansas City-Pleasant Hill, MO
Meteorologist-in-Charge, National Weather Service, Springfield, MO
Meteorologist-in-Charge, National Weather Service, Topeka, KS
Meteorologist-in-Charge, National Weather Service, Wichita, KS

Annex B
State Emergency Communication Committee Members

Member	Representation
Roy Baum, Chairperson	Radio Stations
Kent Cornish, Vice-Chairperson	Kansas Association of Broadcasters
Ronald Ramage	Federal Communications Commission
Ed O'Donnell	Kansas Association of Broadcasters
Joe Cvetnich	Kansas Cable Telecommunications Association
Douglas Overla	Cable Operators
Steve Kincaid	Kansas Public Radio
Rod Keen	Radio Stations
Bradley Howard	Radio Stations
Chad Omitt	National Weather Service
Chuck Dunn	Kansas Sheriff's Association
Derek Welsh	Kansas Bureau of Investigation
Bob Sawyer	Kansas Association of Public Communications Officials
John Crosby	Kansas Emergency Management Association
Jonathan York	Kansas Division of Emergency Management
Marlo Tangney	Kansas Division of Emergency Management

Annex C

Authentication Procedures to Activate the Kansas EAS

This Annex and its Annex must be located and stored near the Access Control Operator (ACO) and be readily available for use.

Purpose

The procedures described herein are intended to:

1. Provide the State Primary with the means to identify the request officials authority to activate the statewide EAS network
2. Provide the State Primary with a mechanism that safeguards the integrity of the EAS network.

Types of Authentication

The three types of authentication are: 1) Personal acquaintance and/or recognition, 2) Authentication code, and 3) Encoded EAS message sent from the State EOC.

Use of Authentication Procedures

- A. “Personal recognition” authentication is appropriate and adequate:
 1. When the official requesting activation is face to face with the ACO
 2. When the ACO readily recognizes the identity of the requesting official
- B. “Authentication Code” authentication is the default method of verifying the requesting official’s authority to activate the EAS Network. When the ACO is unable to verify the authority of the requesting official through the above method of authentication, the ACO must ask for (and receive) the correct authentication words (See Annex 1, Annex C). Should the ACO receive an incorrect authentication word, the requesting official will be denied access/activation of the EAS network.
- C. If the EAS message is sent via the assigned monitoring station, (i.e. Kansas Emergency Operations Center via Remote Pick Up (RPU), National Weather Service or National Weather Service, or National Primary), it is assumed to be a closed system, no further authentication is necessary.

Termination

Authentication procedures apply for both activation and termination of the EAS network.

Annex D
Kansas State EAS Television Stations Information

LOCATION	CALLS/FREQ	FIPS Code
Bunker Hill	*KOOD TV/16(Hays)	20051
Lakin	*KSWK TV/8 (Lakin)	20093
Dodge City	*KDCK/DTV21 (Dodge City)	20057
Colby	*KWKS TV/DT19 (Colby)	20193
Garden City	KSNG TV/11; DTV16	20055
Garden City	KUPK TV/13; DTV18	20055
Colby	KLBY TV/4; DTV 17 (Colby)	20193
Great Bend	KSNC TV/2; DTV16	20009
Kansas City	KCTV/5; DTV 24	20209
Kansas City	KSMO TV/62; DTV 47	20209
Kansas City	*KCPT TV/19; DTV 19	20209
Kansas City		20209
Kansas City	KMBC TV/9; DTV 29	20209
Kansas City	KCWE TV/29; DTV 31	20209
Kansas City	KSHB TV/41; DTV 42	20209
Kansas City	KMCI TV/38; DTV 41	20209
Kansas City	KPXE TV/50; DTV 51	20209
Kansas City	WDAF TV/4; DTV34	20209
Lawrence	KUJH (Cable 31)	20045
Oberlin	KSNK TV/8; DTV12	20039
Pittsburg	KOAM DTV 7	20037
Pittsburg	KFJX DTV 14	20037
Topeka	KSNT TV/27; DTV27.1	20177
Topeka	KTMJ TV/43;DTV27.2	20177
Topeka	KTKA TV/49.1; DT1	20177
Topeka	KTKA TV/49.2/DT2 24/7 Weather Now	20177
Topeka	KTKA TV/49.3/DT3 KSCW 5	20177
Topeka	*KTWU TV/11; DTV23	20177
Topeka	WIBW TV/13	20177
Topeka	My TV/13.2	20177
Wichita	KAKE TV/10; DTV21	20173
Wichita	*KPTS TV/8; DTV29	20173
Wichita	KSAS TV/24; DT26	20173
Wichita	KBDK TV/14 (Great Bend)	20009
Wichita	KAAS TV/18; DTV17 (Salina)	20169

LOCATION	CALLS/FREQ	FIPS Code
Wichita	KMTW TV/36; DTV35	20173
Wichita	KSNW TV/3; DTV45	20173
Wichita	KWCH-DT/12	20173
Wichita	KSCW-DT/33	20173
Wichita	KDCU TV/31 (Spanish)	20173
Wichita	KBSD-DT 6	20173
Wichita	KBSL-DT/10	20173
Wichita	KBSH-DT/7	20173
Wichita	KGPT TV/49	20173
Wichita	KSMI LPTV/53	20173

Annex E
Kansas Radio/Television Stations

Kansas City	WDAF TV/4; DTV34	816/753-4567	Cheryl McDonald	Tracy Brogdon-Miller	3030 Summit, Kansas City, MO 64108
			cheryl.mcdonald@wdaftv4.com	tracybrogdon.miller@wdaftv4.com	
Lawrence	KUJH (Cable 31)	785/864-0611			1000 Sunnyside Ave., 2075 Dole Center, Lawrence, KS 66045
Pittsburg	KOAM TV/7	417/624-0233	Danny Thomas	Kristi Spencer	2950 NE Hwy 69, Pittsburg 66762
			dthomas@koamtv.com	kspencer@koamtv.com	
	KFJX TV/14		Darren Dishman		
			ddishman@fox14tv.com		
Sublette	KDGL LD	620-510-1151	Brian Adams		R.R. #1 Box 87, Kismet 67859
	K32JF-D (Dodge City)		brian@kdgltv.com	news@kldgtv.com	
	K44JV-D (Garden City)				
	K39KO-D (Liberal)				
	K33KM-D (Ulysses)				
Topeka	KSNT TV/27; DTV27.1	785/582-4000	Jean Turnbough	Al Carl	PO Box 2700, Topeka 66601

	KTMJ TV/43;DTV27.2		jturnbough@ksnt.com	al.carl@ksnt.com	
	KTKA TV/49.1; DT1				
Topeka	*KTWU TV/11; DTV23	785/670-1111	Eugene Williams		1700 SW College, Topeka 66621
			eugene.williams@washburn.edu		
Topeka	WIBW TV/13	785/272-6397	Rober Brokke	Jon Janes	631 SW Commerce Pl., Topeka 66615
	My TV/13.2		roger.brokke@wibw.com	13news@wibw.com	
Wichita	KAKE TV/10; DTV21	316/943-4221	Brad Moses	Michael Sipes	1500 N West St Wichita 67203
	KUPK TV/13 (Garden City)		brad.moses@kake.com	michael.sipes@kake.com	
	KLBY TV/4 (Colby)				
Wichita	*KPTS TV/8; DTV29	316/838-3090	Michele Gors Paris		320 W 21st St., Wichita 67203
			mgorsparis@kpts.org		
Wichita	KSAS TV/24	316/942-2424	Chuck Reid		316 N West St, Wichita 67203
	KSAS LP/29 (Dodge City)		creid@sbgvtv.com		
	KAAS TV/18 (Salina)				
	KAAS LP/31 (Garden City)				
	KOCW TV/14 (Hoisington)				

	KMTW TV/36	316/942-2424	Tom Gdisis tomgdisis@foxkansas.com		316 N West St. Wichita 67203
Wichita	KSNW TV/3	316/265-3333	Erik Schrader	Denise Killian	833 N Main, Wichita 67201-0333
	KSNG TV/11 (Gar. City)		erik.schrader@ksn.com	denise.killian@ksn.com	204 Fulton Terrace, Garden City 67846
	KSNC TV/2 (Great Bend)				2900 E Schulman, Garden City 67846
	KSNK TV/8 (Oberlin)				W Hwy 36, PO Box 238, Oberlin 67749
	KSNL TV/ (Salina)				
Wichita	KWCH-DT/12	316/838-1212	Joan Barrett	Brian Gregory	2815 East 37 th Street North, Wichita 67219
	KSCW-DT/33		jbarrett@kwch.com	bgregory@kwch.com	
	KDCU TV/31 (Spanish)				
	KBSD-DT 6 (Dodge City)	620/227-3121			100 Airport Rd., PO Box 157, Dodge City 67801
	KBSL-DT/10 (Goodland)	785/899-2321			3023 W. 31st St., PO Box 629, Goodland 67735
	KBSH-DT/7 (Hays)	785/625-5277			2300 Hall, Hays 67601
Wichita	KGPT TV/49	316/665-	John Pappert		110 S. Main, Suite 800,

		6649			Wichita 67202
			john@kgpt49.com		
Wichita	KSMI LPTV/53	316/267-8007		Pablo Estrada	125 N Market, Wichita KS 67202
*Non-commercial stations					
Associate Members					
	Arbitron		Deborah Snowden	deborah.snowden@arbitron.com	
	Broadcast Music, Inc. (BMI)	615-401-2912	Jessica Frost	jfrostr@bmi.com	320 W 57th St., New York NY 10019
	Cowley County Comm College	620-441-5278	Adam Borth	bortha@cowley.edu	125 S 2nd Street Arkansas City KS 67005
	Heartland Video	319-294-1360	Pam Sortland	psortland@hvsioowa.com	375 Collins Rd NE, Cedar Rapids, IA 52402
	Independence High School	620-332-1815	Lea Shepard	lshepard@indyschools.com	1301 N 10th Street, Independence KS 67301
	Jayhawk Sports Mktg.	785-312-7555	Marc Tuttle	marc.tuttle@img.com	123 W. 8th Suite 303, Lawrence, KS 66044
	Johnson Co Comm College	913-469-8500	Molly Baumgardner	molly@jccc.edu	12345 College Blvd, Overland Park KS 66210

	Kansas Army National Guard	785-274-1097	Lt. Col. Shy Warner	shy.m.warner.mil@mail.mil	1710 SW Topeka Blvd, Topeka KS 66612
	Kansas City Royals	816-504-4315	Keith Kowalski	keith.kowalski@royals.com	Kauffman Stadium One Royal Way, KC, MO 64129
	Kansas Electric Cooperatives	785-478-4554	Shana Holsteen	sholsteen@kec.org	PO Box 4267, Topeka KS 66604
	Kansas Farm Bureau	785-587-6821	Meagan Cramer	cramerm@kfb.org	2627 KFB Plaza, Manhattan, KS 66503
	Kansas Lottery	785-296-5766	Meg Bieberle	meg.bieberle@kslottery.net	128 N Kansas Ave., Topeka, KS 66603
	Kansas Radio Networks	785-228-7234	Dan Johnson	dan.johnson@morris.com	1210 SW Executive Dr, Topeka 66614
	Koch Industries	316-828-3756	Melissa Cohlmiia	melissa.cohlmiia@kochind.com	PO Box 2256, Wichita KS 67201
	K-State KSDB FM	785-598-2971	Vern Wirka	vwirka@k-state.edu	104 Kedzie Hall, Manhattan KS 66506
	K-State Radio Network - Research and Extension	785-532-5851	Elaine Edwards	elainee@ksu.edu	KSU, 20 McCain Auditorium, Manhattan KS 66506
	Learfield Communications	573-893-7200	Tom Boman	tboman@learfieldsports.com	505 Hobbs Road, Jefferson City, MO 65109
	Market Interactive	402-875-9059	Mark Vail	mark@madebymarket.com	808 P Street, Ste 310, Lincoln, NE 68508

	Nautel	800-766-8817	Ellis Terry	ellis.terry@nautel.com	5053 Dancing Lights Ave, Las Vegas, NV 89130
	P1 Learning	816-590-3210	Katey McGuckin-Woolam	katey@p1learning.com	1818 Wyandotte, Kansas City, MO 64108
	Pittsburg State University	620/235-4288	Missi Kelly	krps@pittstate.edu	Shirk Hall, PSU, PO Box 899 Pittsburg 66762
	RCS	914-428-4600 x 4826	Carolyn Bell		214 N. Spruce, Ogallal, NE 69153
	Rogers Engineering	785-820-6454	Rod Rogers	rodrogers@cox.net	1105 Dover Drive Salina KS 67401
	SESAC	615-320-0055	Greg Riggle	griggle@sesac.com	55 Music Square E, Nashville TN 37203
	Sierra Multimedia, Inc.	479-876-7250	Ray Klotz	ray@sierramultimedia.com	PO Box 3118, Bella Vista, AR 72715
	Virtual News Service	866-951-6397, X101	Scott Roberts	sroberts@virtualnewscenter.com	7036 S. Plaza Dr., Haysville, KS 67060
Professional Members					
	Don Free	785-213-6148	Kansas City Royals	dfree86@ATT.net	3907 S. E. 32nd Place, Topeka, KS 66605
Retired Members					

	Tom Hedrick	Hedrick	Lawrence	jhawkgranny@sunflower.com	
	Joe Engel	785-650-7440	Hays	j.engel@eaglecom.net	-
	Harriet Lange	Lange	Topeka	hlange@cox.net	
	Ed O'Donnell	913-307-0374	Lenexa	ed.0@att.net	-
	Robert D. (Bob) Fromme	970-223-6795	Ft. Collins		-
	H. Pat Powers	785-233-8460	Topeka	pjtopeka@sbcglobal.net	
	Charles Frodsham	785-738-6538	Beloit	ckfrodsham@nckcn.com	-
	Don Willis	785-863-2340	Oskaloosa	whipwillis@yahoo.com	
	Kay Melia	Melia		vkmelia@yahoo.com	
	C. Kay Hutchinson	785-466-2271	Delavan	kayhutch@tctelco.net	

Annex F
Cable Systems
Kansas EAS Monitoring Assignments

CITY OF LICENSE	STATION	#1	#2	RELAY NOAA?
Abilene	KABI AM	KIN	KJCK FM	
Abilene	KSAJ FM	KIN	KJCK FM	
Arkansas City	KACY FM	KNSS AM	KYQQ FM	yes
Arkansas City	KSOK AM	KIN	KFDI FM	yes
Atchison	KAIR AM	WIBW FM	KNZA FM	yes
Atchison	KAIR FM	WIBW FM	KNZA FM	yes
Atwood	KYVZ FM	KRDQ FM	KZNK FM	
Baldwin	KNBU FM	WIBW FM	KTPK FM	yes
Baxter Springs	KCAR FM	KKOW FM	KMXL FM	
Beloit	KKSJ FM	KVSV FM	KNCK FM	
Beloit	KVSV FM	KIN	KYEZ FM	yes
Beloit	KVSV AM	KIN	KYEZ FM	yes
Brewster	KGCR FM	KKCI FM	KRDQ FM	
Bunker Hill	KOOD TV	KHAZ FM	KZRS FM	yes
Burdett	KKDT FM	KVGB FM	KZRS FM	yes
Burlington	KSNP FM	KIN	KVOE FM	yes
Chanute	KKOY AM	KIN	KKOW FM	
Chanute	KKOY FM	KIN	KKOW FM	
Chanute	KINZ FM	KIN	KKOW FM	
Clay Center	KCLY FM	KIN	KTPK FM	yes
Coffeyville	KGGF FM	KKOW FM	KUSN FM	

Coffeyville	KGGF AM	KIN	KKOW FM	
Coffeyville	KUSN FM	KIN	KKOW FM	
Coffeyville	KKRK FM	KIN	KKOW FM	
Colby	KXXX AM	KWGB FM	KZNK FM	yes
Colby	KRDQ	KWGB FM	KZNK FM	yes
Colby	KWGB	KRDQ FM	KZNK FM	yes
Colby	KLBY TV	KKCI FM	KRDQ FM	
Columbus	KMOQ FM	KKOW FM	KMXL FM	
Concordia	KNCK AM	KIN	KSKG FM	yes
Concordia	KNCK FM	KIN	KSKG FM	yes
Dodge City	KBSD TV	KKJQ FM	KAHE FM	yes
Dodge City	KAHE FM	KKJQ FM	KANZ FM	Yes
Dodge City	KERP FM	KKJQ FM	KANZ FM	Yes
Dodge City	KGNO AM	KKJQ FM	KANZ FM	Yes
Dodge City	KZRD FM	KKJQ FM	KANZ FM	Yes
Dodge City	KMML FM	KKJQ FM	KANZ FM	Yes
Dodge City	KDCC AM	KKJQ FM	KAHE FM	yes
Dodge City	KONQ FM	KKJQ FM	KAHE FM	yes
Dodge City	KAIG FM	KKJQ FM	KGNO AM	yes
El Dorado	KAHS AM	KEYN FM	KFDI FM	
El Dorado	KTLI FM	KEYN FM	KFDI FM	yes
Emporia	KJLG FM	KSAJ FM	KJCK FM	yes
Emporia	KPOR FM	KTPK FM	KVOE FM	
Emporia	KVOE AM	WIBW FM	KTPK FM	yes
Emporia	KVOE FM	WIBW FM	KTPK FM	yes
Emporia	KFFX FM	WIBW FM	KTPK FM	yes

Emporia	KPOR FM	KVOE AM	KFFX FM	yes
Emporia	KEKS FM	KVOE FM	WIBW FM	
Enterprise	KBMP FM	KJCK FM	KSAJ FM	yes
Eureka	KOTE FM	KIN	KYQQ FM	yes
Fort Scott	KMDO AM	KIN	KKOW FM	
Fort Scott	KOMB FM	KIN	KKOW FM	
Galena	KQYX FM	KKOW FM	KMXL FM	
Garden City	KSNG TV	KKJQ FM	KAHE FM	
Garden City	KUPK TV	KKJQ FM	KAHE FM	
Garden City	KANZ FM	KKJQ FM	KAHE FM	
Garden City	KBUF AM	KIN	KAHE FM	yes
Garden City	KKJQ FM	KIN	KAHE FM	yes
Garden City	KSKZ FM	KIN	KAHE FM	yes
Garden City	KSKL FM	KIN	KAHE FM	yes
Garden City	KWKR FM	KIN	KAHE FM	yes
Garden City	KSSA FM	KIN	KAHE FM	yes
Garden City	KIUL AM	KBUF AM	KZRD FM	
Garden City	KYUL FM	KBUF AM	KZRD FM	
Garden City	KGGS FM	KBUF AM	KZRD FM	
Glen Elder	KDNS FM	KVSV FM	KZRS FM	yes
Glen Elder	KZDY FM	KVSV FM	KZRS FM	yes
Goodland	KLOE AM	KRDQ FM	KZNK FM	yes
Goodland	KKCI FM	KRDQ FM	KZNK FM	yes
Goodland	KBSL TV	KHAZ FM	KZRS FM	yes
Great Bend	KOCW TV	KTHR FM	KMXW FM	yes
Great Bend	KSNC TV	KVGB FM	KZRS FM	

Great Bend	KGBD TV	KVGB FM	KZRS FM	
Great Bend	KZRS FM	KVGB FM	KXKU FM	Yes
Great Bend	KVGB AM	WIBW AM	KHOK FM	Yes
Great Bend	KVGB FM	KHOK FM	KZLS FM	yes
Great Bend	KGBL FM	KSKG FM	KZRS FM	
Great Bend	KWBI FM	KVGB FM	KZLS FM	yes
Great Bend	KXGB-LP	KVGB FM	KZRS FM	
Hays	KHAZ FM	KIN	KZRS FM	yes
Hays	KAYS AM	KIN	KZRS FM	yes
Hays	KJLS FM	KIN	KZRS FM	yes
Hays	KBSH TV	KHAZ FM	KZRS FM	yes
Hays	KPRD FM	KIN	KZRS FM	yes
Hays	KRMR FM	KVRS FM	KHAZ FM	Yes
Hays	KPRD FM	KHAZ FM	KJLS FM	yes
Hays	KVDM FM	KZRS FM	KJLS FM	
Hays	KFIX FM	KIN	KVGB FM	yes
Herington	KJRL FM	KSAJ FM	KJCK FM	yes
Hiawatha	KNZA FM	WIBW FM	KTPK FM	yes
Hill City	KKQY FM	KHOK FM	KHAZ FM	yes
Hoisington	KHOK FM	WIBW AM	KZLS FM	yes
Hutchinson	KSKU FM	KIN	KFTI FM	yes
Hutchinson	KNZS FM	KIN	KFTI FM	yes
Hutchinson	KWHK FM	KIN	KFTI FM	yes
Hutchinson	KXKU FM	KIN	KFTI FM	yes
Hutchinson	KHUT FM	KFTI AM	KIN	yes
Hutchinson	KWBW AM	KFTI AM	KIN	yes

Hutchinson	KHMY FM	KFDI FM	KIN	yes
Hutchinson	KHCC FM	KHUT FM	KFBZ FM	
Hutchinson	KHCD FM	KHUT FM	KFBZ FM	
Hutchinson	KHCT FM	KHUT FM	KFBZ FM	
Independence	KARF FM	KUSN FM	KGGF FM	yes
Iola	KIKS FM	KIN	KKOY FM	yes
Iola	KIOL AM	KIN	KKOY FM	yes
Junction City	KJCK AM	KIN	KTPK FM	yes
Junction City	KJCK FM	KIN	KTPK FM	yes
Junction City	KQLA FM	KIN	KTPK FM	yes
Kansas City	KCSP-AM	WHB-AM*	KCUR-FM**	yes
Kansas City	KMBZ-AM	KCSP-AM	KCMO-FM	yes
Kansas City	KYY5-AM	KCSP-AM	KCMO-FM	yes
Kansas City	KXTR-AM	KCSP-AM	KCMO-FM	yes
Kansas City	KRBZ-FM	KCSP-AM	KCMO-FM	yes
Kansas City	KUDL-FM	KCSP-AM	KCMO-FM	yes
Kansas City	KQRC-FM	KCSP-AM	KCMO-FM	yes
Kansas City	KGEX-FM	KCSP-AM	KCMO-FM	yes
Kansas City	WDAF-FM	KCSP-AM	KCMO-FM	yes
Kansas City	KCFX FM	KCMO FM	KCSP AM	yes
Kansas City	KCMO AM	KCMO FM	KCSP AM	yes
Kansas City	KCMO FM	KCSP AM	WHB AM	yes
Kansas City	KCJK FM	KCMO FM	KCSP AM	yes
Kansas City	KMJK FM	KCMO FM	KCSP AM	yes
Kansas City	KCHZ FM	KCMO FM	KCSP AM	yes
Kansas City	KSHB TV	KCMO FM	KCSP AM	

Kansas City	KMCI TV	KANU FM	KCSP AM	
Kansas City	KPHN FM	KCMO FM	KCSP AM	
Kansas City	KMBC TV	KCSP AM	KCMO-FM	
Kansas City	KCWE TV	KCSP AM	KCMO-FM	
Kansas City	WHB AM	KCSP AM	KCMO-FM	
Kansas City	KZPL FM	KCSP AM	KCMO-FM	
Kansas City	KCTE AM	KCSP AM	KCMO-FM	
Kansas City	KCWJ AM	KCSP AM	KCMO-FM	
Kansas City	KKFI FM	KCSP AM	KCMO-FM	
Kansas City	KPHN AM	KCSP AM	KCMO-FM	
Kansas City	KGGN AM	KCSP AM	KCMO-FM	
Kansas City	KCNW AM	KCSP AM	KCMO-FM	Yes
Kingman	KCVW FM	KFDI FM	KEYN FM	yes
LaCrosse	KKDT FM	KVGB FM	KZRS FM	yes
LaCrosse	KXNC FM	KVGB FM	KZRS FM	yes
Larned	KSOB FM	KVGB FM	KXKU FM	Yes
Larned	KNNS AM	KVGB FM	KXKU FM	Yes
Larned	KGBL FM	KSKG FM	KZRS FM	yes
Lawrence	KANU FM	KIN	KTPK FM	
Lawrence	KJHK FM	WIBW FM	KLWN AM	yes
Lawrence	KLWN AM	KIN	KTPK FM	yes
Lawrence	KLZR FM	KIN	KTPK FM	yes
Lawrence	KMXN FM	KIN	KTPK FM	yes
Liberal	KSMM FM	KSCB FM	KJIL FM	Yes
Liberal	KSMM AM	KSCB FM	KJIL FM	Yes
Liberal	KSCB AM	KIN	KKJQ FM	yes

Liberal	KSCB AM	KIN	KKJQ FM	yes
Liberal	KLDG FM	KIN	KSKZ FM	yes
Liberal	KZQD FM	KLDG FM	KJIL FM	
Manhattan	KBLS FM	KIN	KJCK FM	
Manhattan	KKSU-LP TV	KMAN AM	KMKF FM	yes
Manhattan	KSDB FM	WIBW AM	KTPK FM	
Manhattan	KHCA FM	KIN	KTPK FM	yes
Manhattan	KMAN AM	KIN	KTPK FM	yes
Manhattan	KMKF FM	KIN	KTPK FM	yes
Manhattan	KXBZ FM	KIN	KTPK FM	yes
Manhattan	KACZ FM	KIN	KTPK FM	yes
Manhattan	KGLV FM	WIBW FM	KTPK FM	yes
Marysville	KNDY AM	KIN	KTPK FM	yes
Marysville	KNDY FM	KIN	KTPK FM	yes
McPherson	KBBE FM	KIN	KSAJ FM	yes
McPherson	KNGL AM	KIN	KSAJ FM	yes
Meade	KHYM FM	KSKZ FM	KAHE FM	
Meade	KJIL FM	KSKZ FM	KAHE FM	
Norton	KQNK AM	KIN	KFNF FM	yes
Norton	KQNK FM	KIN	KFNF FM	yes
Oberlin	KSNK TV	KFNF FM	KPNE FM	
Oberlin	KFNF FM	KICX FM	KRDQ FM	
Olathe	KCCV FM	KCSP FM	KCMO AM	yes
Ottawa	KOFO AM	KIN	KTPK FM	yes
Ottawa	KRBW FM	KIN	KCHZ FM	yes
Overland Park	KCCV AM	KCSP AM	KTPK FM	yes

Parsons	KLKC AM	KIN	KKOW FM	yes
Parsons	KLKC FM	KIN	KKOW FM	yes
Paola	KWJP FM	KMBZ FM	WIBW FM	
Pittsburg	KOAM TV	KKOW FM	KMXL FM	
Pittsburg	KFJX TV	KKOW FM	KMXL FM	yes
Pittsburg	KKOW FM	KIN	KMXL FM	yes
Pittsburg	KKOW AM	KIN	KMXL FM	yes
Pittsburg	KJML FM	KIN	KMXL FM	yes
Pittsburg	KRPS FM	KKOW FM	KMXL FM	
Pittsburg	KSEK AM	KKOW FM	KMXL FM	
Pittsburg	KSEK FM	KKOW FM	KMXL FM	
Pittsburg	KWXD FM	KKOW FM	KMXL FM	
Pittsburg	KHST FM	KKOW FM	KMXL FM	
Plainville	KFIX FM	KHOK FM	KHAZ FM	yes
Pratt	KMMM AM	KHMY FM	KHCC FM	Yes
Rozel	KKCV FM	KHMY FM	KVGB FM	yes
Russell	KRSL AM	KZLS FM	KIN	yes
Russell	KRSL FM	KZLS FM	KIN	yes
Salina	KSAL FM	KIN	KJCK FM	
Salina	KSAL FM	KIN	KJCK FM	
Salina	KYEZ FM	KIN	KJCK FM	
Salina	KAAS TV	KTHR FM	KMXW FM	yes
Salina	KFRM AM	KIN	KTPK FM	
Salina	KDJM FM	KSAL AM	KYEZ FM	Yes
Salina	KVOB FM	KSAL AM	KYEZ FM	Yes
Salina	KZUH FM	KSAL AM	KYEZ FM	Yes

Salina	KHDS TV LP	KSKG FM	KYEZ FM	
Topeka	KTWU TV	WIBW FM	KTPK FM	yes
Topeka	WIBW AM	KTPK FM	KCMO FM	yes
Topeka	WIBW FM	KTPK FM	KCMO FM	yes
Topeka	KSNT TV	WIBW FM	KTPK FM	yes
Topeka	KTMJ TV	WIBW FM	KTPK FM	yes
Topeka	KMAJ AM	WIBW FM	KTPK FM	yes
Topeka	KMAJ FM	WIBW FM	KTPK FM	yes
Topeka	KDVV FM	WIBW FM	KTPK FM	yes
Topeka	KWIC FM	WIBW FM	KTPK FM	yes
Topeka	KTOP AM	WIBW FM	KTPK FM	yes
Topeka	KTOP FM	WIBW FM	KTPK FM	yes
Topeka	WIBW TV	WIBW FM	KTPK FM	yes
Topeka	KCVT FM	WIBW FM	KTPK FM	yes
Topeka	KBUZ FM	WIBW FM	KTPK FM	yes
Topeka	WROB-LD	WIBW FM	KTPK FM	yes
Topeka	KMJC-LD	WIBW FM	KTPK FM	yes
Topeka	KCKS-LD	WIBW FM	KTPK FM	yes
Ulysses	KULY AM	KIN	KKJQ FM	yes
Ulysses	KFXX FM	KIN	KKJQ FM	
Wamego	KHAC FM	WIBW FM	KTPK FM	
Wellington	KLEY AM	KIN	KFDI FM	
Wellington	KWME FM	KIN	KFDI FM	
Wichita	KSAS TV	KTHR FM	KFDI FM	yes
Wichita	KMTW TV	KFH AM	KFDI FM	yes
Wichita	KPTS TV	KFDI FM	KEYN FM	yes

Wichita	KWCH TV	KFDI FM	KEYN FM	yes
Wichita	KSCW TV	KFTI FM	KEYN FM	yes
Wichita	KDCU TV	KFDI FM	KEYN FM	yes
Wichita	KIBB FM	KFDI FM	KEYN FM	
Wichita	KVWF FM	KFDI FM	KEYN FM	
Wichita	KTHR FM	KEYN FM	KFDI FM	yes
Wichita	KRBB FM	KEYN FM	KFDI FM	yes
Wichita	KZSN FM	KEYN FM	KFDI FM	yes
Wichita	KZCH FM	KEYN FM	KFDI FM	yes
Wichita	KSNW TV	KFBZ FM	KFTI FM	yes
Wichita	KAKE TV	KFBZ FM	KMUW FM	
Wichita	KMUW FM	KFH-FM	KTHR FM	yes
Wichita	KFDI FM	KIN	KEYN FM	
Wichita	KLIO AM	KIN	KEYN FM	
Wichita	KFTI FM	KIN	KEYN FM	
Wichita	KYQQ FM	KIN	KEYN FM	
Wichita	KICT FM	KIN	KEYN FM	
Wichita	KFXJ FM	KIN	KEYN FM	
Wichita	KFH AM	KIN	KFDI FM	yes
Wichita	KFH FM	KIN	KFDI FM	yes
Wichita	KNSS AM	KIN	KFDI FM	yes
Wichita	KFBZ FM	KIN	KFDI FM	yes
Wichita	KDGS FM	KIN	KFDI FM	yes
Wichita	KEYN FM	KIN	KFDI FM	yes
Wichita	KGSO AM	KIN	KFDI FM	yes
Wichita	KYFW FM	KFDI FM	KEYN FM	yes

Wichita	KQAM AM	KIN	KFDI FM	yes
Winfield	KKLE AM	KIN	KFDI FM	
Winfield	KSOK FM	KIN	KFDI FM	yes

Annex G
Kansas County Federal Information Processing Standard (FIPS) Codes

LOCATION	CALLS/FREQ	FIPS Code
Abilene	KABI AM/1560	20041
Abilene	KSAJ FM/98.5	20041
Abilene	KJRL FM/105.7	20041
Arkansas City	KACY FM /102.5	20035
Arkansas City	KSOK AM/1280	20035
Arkansas City	KSOK FM/95.9	20035
Arkansas City	*KAXR FM/91.3	20035
Atchison	KAIR AM/1470	20005
Atchison	KAIR FM/93.7	20005
Baldwin City	*KNBU FM/89.7	20045
Belleville	KREP FM/92.1	20157
Beloit	KVSV AM/1190	20123
Beloit	KVSV FM/105.5	20123
Brewster	*KGCR FM/107.7	20193
Bronson	*KBJQ FM/88.3	20011
Burlington	KSNP FM/97.7	20031
Caney	KEOJ FM/101.1	20125
Chanute	KKOY AM/1460	20133
Chanute	KKOY FM/105.5	20133
Chanute	KINZ FM/95..3	20133
Clay Center	KFRM AM/550	20027
Clay Center	KCLY FM/100.9	20027
Coffeyville	KGGF AM/690	20125
Coffeyville	KGGF FM/104.1	20125
Coffeyville	KUSN FM/98.1	20125
Coffeyville	KKRK FM/98.9	20125
Colby	*KTCC FM/91.9	20193
Colby	KXXX AM/790	20193
Colby	KRDQ FM/100.3	20193
Concordia	KNCK AM/1390	20143
Concordia	KNCK FM/94.9	20143
Concordia	*KVCO FM/88.3	20143
Dodge City	KGNO AM/1370	20057
Dodge City	KAHE FM/95.5	20057

LOCATION	CALLS/FREQ	FIPS Code
Dodge City	KMML FM/92.9(Spanish)	20057
Dodge City	KZRD FM/93.9	20057
Dodge City	KERP FM/96.3	20057
Dodge City	*KDCC AM/1550	20057
Dodge City	*KONQ FM/91.9	20057
El Dorado	*KBTL FM/88.1	20015
Emporia	KANS FM/96.1	20111
Emporia	KNGM FM/91.9	20111
Emporia	*KPOR FM/90.7	20111
Emporia	KVOE AM/1400	20111
Emporia	KFFX FM/104.9	20111
Emporia	KVOE FM/101.7	20111
Emporia	KEKS FM/103.1	20111
Enterprise	*KBMP FM/88.7	20041
Eureka	KOTE FM/93.5	20073
Fort Scott	KMDO AM/1600	20011
Fort Scott	KOMB FM/103.9	20011
Fort Scott	*KVCY FM/104.7	20011
Garden City	*KANZ FM/91.1	20055
Garden City	*KZNA FM/90.5 (Hill City)	20055
Garden City	*KZAN FM/91.7 (Hays)	20055
Garden City	KBUF AM/1030	20055
Garden City	KKJQ FM/97.3	20055
Garden City	KSKZ FM/98.1	20055
Garden City	KSKL FM /94.5	20055
Garden City	KWKR FM/99.9	20055
Garden City	KSSA FM/105.9(Spanish)	20055
Garden City	KIUL AM/1240	20055
Garden City	KYUL AM/1310	20055
Glen Elder	KDNS FM/94.1	20123
Glen Elder	KZDY FM/96.3	20123
Goodland	KLOE AM/730	20181
Goodland	KKCI FM/102.5	20181
Goodland	KWGB FM/97.9	20181
Great Bend	KHOK FM/100.7	20009
Great Bend	KVGB AM/1590	20009
Great Bend	KVGB FM/104.3	20009
Great Bend	KBGL FM/106.9	20009
Great Bend	KZRS FM/107.9	20009

LOCATION	CALLS/FREQ	FIPS Code
Great Bend	KNNS AM/1510 (Larned-Spanish)	20145
Great Bend	KSOB FM/96.7 (Larned)	20145
Great Bend	*KBDA FM/89.7	20009
Great Bend	*KWBI FM/91.9	20009
Hays	KAYS AM/1400	20051
Hays	KHAZ FM/99.5	20051
Hays	KJLS FM/103.3	20051
Hays	KKQY FM/101.9	20051
Hays	KFIX FM/96.9	20051
Hays	*KPRD FM/88.9	20051
Hays	KRMR FM/105.7	20051
Hiawatha	KNZA FM/103.9	20013
Hutchinson	*KHCC FM/90.1	20155
Hutchinson	*KHCT FM/90.9 (Great Bend)	20155
Hutchinson	*KHCD FM/89.5 (Salina)	20155
Hutchinson	KSKU FM94.7	20155
Hutchinson	KNZS FM/100.3	20155
Hutchinson	KXKU FM/106.1	20155
Hutchinson	KWHK FM/95.9	20155
Hutchinson	KWBW AM/1450	20155
Hutchinson	KHUT FM/102.9	20155
Hutchinson	KHMY FM/93.1	20155
Independence	KIND AM/1010	20125
Independence	KIND FM/102.9	20125
Independence	*KARF FM/91.9	20125
Independence	*KBQC FM/88.5	20125
Iola	KIOL AM/1370	20001
Iola	KIKS FM/101.5	20001
Joplin, MO	KMOQ FM/107.1	
	(Lic. to Baxter Springs)	20021
	KQYX AM/1450	20021
	KCAR FM/104.3 (Lic. To Galena)	20021
Junction City	KJCK AM/1420	20061
Junction City	KJCK FM/97.5	20061
Kansas City	KCCV AM/760	20209
Kansas City	KCCV FM/92.3	20209
Kansas City	KCNW AM/1380	20209
Kansas City	KFKF FM/94.1	20209
Kansas City	KBEQ FM/104.3	20209

LOCATION	CALLS/FREQ	FIPS Code
Kansas City	KMXV FM/93.3	20209
Kansas City	KCKC FM/102.1	20209
Kansas City	KMBZ AM/980	20209
Kansas City	KGEX FM/99.7	20209
Kansas City	KXTR AM/1660	20209
Kansas City	KQRC FM/98.9	20209
Kansas City	KUDL FM/98.1	20209
Kansas City	WDAF FM/ 106.5	20209
Kansas City	KRBZ FM/96.5	20209
Kansas City	KCSP AM/610	20209
Kansas City	KYYS AM/1250	20209
Kansas City	KPHN AM/1190	20209
Kansas City	KCMO AM/710	20209
Kansas City	KCMO FM/94.9	20209
Kansas City	KCFX FM/101.1	20209
Kansas City	KCJK FM/105.1	20209
Kansas City	KCHZ FM/95.7	20209
Kansas City	KMJK FM/107.3	20209
Kansas City	KCZZ AM/1480(Spanish)	20209
Kansas City	KDTD AM/1340(Spanish)	20209
Kansas City	WHB AM/810	20209
Kansas City	KCTE AM/1510	20209
Kansas City	KZPL FM/97.3	20209
Kansas City	KPRT AM/1590	20209
Kansas City	KPRS FM/103.3	20209
Kansas City	KCWJ AM/1030	20209
Kansas City	KGGN AM/890	20209
Kansas City	*KCUR FM/89.3	20209
Kansas City	*KKFI FM/90.1	20209
Kansas City	*KLJC FM/88.5	20209
Kansas City	KPHN AM/1190	20209
Kingman	KCVW FM/94.3	20095
Lawrence	*KANU FM/91.5	20045
Lawrence	*KANH FM/89.7 (Emporia)	20111
Lawrence	*KANV FM/91.3 (Olsburg-Junction City)	20061
Lawrence	*KJHK FM/90.7	20045
Lawrence	KLWN AM/1320	20045
Lawrence	KLZR FM/105.9	20045

LOCATION	CALLS/FREQ	FIPS Code
Lawrence	KMXN FM/92.9	20045
Leavenworth	KKLO AM/1410	20103
Liberal	KSCB AM/1270	20175
Liberal	KSCB FM/107.5	20175
Liberal	KLDG FM/102.7	20175
Liberal	KSMM AM/1470	20175
Liberal	KSMM FM/101.5(Spanish)	20175
Liberal	KMML FM/92.9	20175
Liberal	KZQD FM/105.1	20175
Manhattan	KBLS FM/102.5	20161
Manhattan	KHCA FM/95.3	20161
Manhattan	KMAN AM/1350	20161
Manhattan	KMKF FM/101.5	20161
Manhattan	KXBZ FM/104.7	20161
Manhattan	KACZ FM/96.3	20161
Manhattan	KQLA FM/103.5	20161
Manhattan	*KSDB FM/91.9	20161
Marysville	KNDY AM/1570	20117
Marysville	KNDY FM/95.5	20117
McPherson	KNGL AM/1540	20113
McPherson	KBBE FM/96.7	20113
Meade	KJIL FM/99.1	20119
Meade	KHYM FM/103.9	20119
Medicine Lodge	*KREJ FM/101.7	20007
Medicine Lodge	*KSNS FM/91.5	20007
Medicine Lodge	KQZQ FM/98.3	20007
Ness City	KKDT FM/93.5	20135
Ness City	KXNC FM/104.7	20135
Newton	KJRG AM/950	20079
North Newton	*KBCU FM/88.1	20079
Norton	KQNK AM/1530	20137
Norton	KQNK FM/106.7	20137
Oberlin	KFNF FM/101.1	20039
Ottawa	KOFO AM/1220	20059
Ottawa	*KTJO FM/88.9	20059
Ottawa	*KRBW FM/90.5	20059
Parsons	KLKC AM/1540	20099
Parsons	KLKC FM/93.5	20099
Phillipsburg	KKAN AM/1490	20147

LOCATION	CALLS/FREQ	FIPS Code
Phillipsburg	KQMA FM/92.5	20147
Pittsburg	KKOW AM/860	20037
Pittsburg	KKOW FM/96.9	20037
Pittsburg	KJML FM/107.1	20037
Pittsburg	KWXD FM/103.5	20037
Pittsburg	KHST FM/101.7	20037
Pittsburg	KSEK AM/1340	20037
Pittsburg	KSEK FM/99.1	20037
Pratt	KMMM AM/1290	20151
Russell	KRSL AM/990	20167
Russell	KRSL FM/95.9	20167
Salina	*KCVS FM/91.7	20169
Salina	KINA AM/910	20169
Salina	KSKG FM/99.9	20169
Salina	KZUH FM/92.7	20169
Salina	KVOB FM/95.5	20169
Salina	KDJM FM/101.7	20169
Salina	KSAL AM/1150	20169
Salina	KYEZ FM/93.7	20169
Salina	KSAL FM/104.9	20169
Salina	*KAKA FM/88.5	20169
Seneca	KMZA FM/92.1	20131
St. Joseph MO	KFEQ AM/680	????
	KESJ AM/1550	????
	KKJO FM/105.5	????
	KSJQ FM/92.7	????
Topeka	*KBUZ FM/90.3	20177
Topeka	KCVT FM/92.5	20177
Topeka	*KJTY FM/88.1	20177
Topeka	KMAJ FM/107.7	20177
Topeka	KDVV FM/100.3	20177
Topeka	KMAJ AM/1440	20177
Topeka	KTOP AM/1490	20177
Topeka	KTOP FM/102.9	20177
Topeka	KWIC FM/99.3	20177
Topeka	KTPK FM/106.9	20177
Topeka	WIBW AM/580	20177
Topeka	WIBW FM/94.5	20177
Ulysses	KULY AM/1420	20067

LOCATION	CALLS/FREQ	FIPS Code
Ulysses	KFXX FM/106.7(Spanish)	20067
Wellington	KLEY AM/1130	20191
Wellington	KWME FM/93.5	20191
Wichita	KAHS AM/1360	20173
Wichita	KANR FM/ 92.7(Spanish)	20173
Wichita	*KCFN FM/91.1	20173
Wichita	KLIO AM/ 1070	20173
Wichita	KFDI FM/101.3	20173
Wichita	KFTI FM/92.3	20173
Wichita	KYQQ FM/106.5	20173
Wichita	KICT FM/95.1	20173
Wichita	KFXJ FM/ 104.5	20173
Wichita	KFH AM/1240	20173
Wichita	KNSS AM/1330	20173
Wichita	KFBZ FM/105.3	20173
Wichita	KDGS FM/93.9	20173
Wichita	KEYN FM/103.7	20173
Wichita	KFH FM/98.7	20173
Wichita	KIBB FM/97.1	20173
Wichita	KWVF FM/100.5	20173
Wichita	*KMUW FM/89.1	20173
Wichita	KTHR FM/107.3	20173
Wichita	KZCH FM/96.3	20173
Wichita	KRBB FM/97.9	20173
Wichita	KZSN FM/102.1	20173
Wichita	KWLS FM/107.9	20173
Wichita	KSGL AM/900	20173
Wichita	KGSO AM/1410	20173
Wichita	KQAM AM/1480	20173
Wichita	*KTLI FM/99.1	20173
Wichita	*KYFW FM/88.3	20173
Wichita	*KYWA FM/90.7	20173
Winfield	KKLE AM/1550	20035
Winfield	*KSWC FM/100.3	20035
Winfield	*KBDD FM/91.9	20035

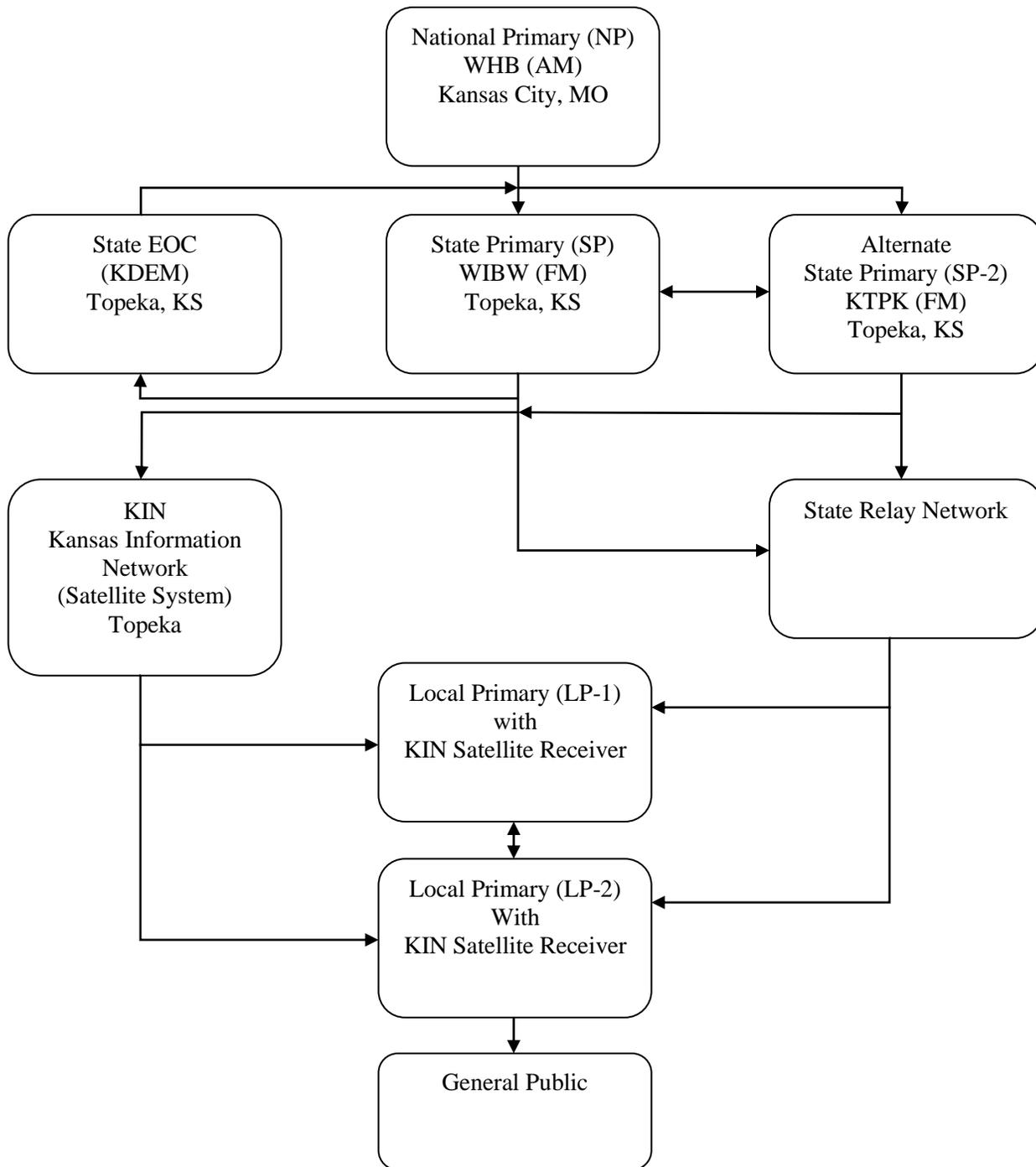
Annex H

Kansas EAS Event Codes

Event Code	Event Description
ADR	Administrative Message
AVA	Avalanche Watch
AVW	Avalanche Warning
BZW	Blizzard Warning
CAE	Child Abduction Emergency
CDW	Civil Danger Warning
CEM	Civil Emergency Message
CFA	Coastal Flood Watch
CFW	Coastal Flood Warning
DMO	Demonstration Message
DSW	Dust Storm Warning
EAN	Emergency Action Notification (Begins a nationwide EAS activation)
EAT	Emergency Action Termination (Ends a national activation)
EQW	Earthquake Warning
EVI	Evacuation Immediate
FFA	Flash Flood Watch
FFS	Flash Flood Statement
FFW	Flash Flood Warning
FLA	Flood Watch
FLS	Flood Statement
FLW	Flood Warning
FRW	Fire Warning
FSW	Flash Freeze Warning
FZW	Freeze Warning
HLS	Hurricane Statement
HMW	Hazardous Materials Warning
HUA	Hurricane Watch
HUW	Hurricane Warning
HWA	High Wind Watch
HWW	High Wind Warning
LAE	Local Area Emergency
LEW	Law Enforcement Warning
NAT	National Audible Test
NIC	National Information Center Statement (Used to follow up an EAN)
NMN	Network Message Notification
NPT	National Periodic Test
NST	National Silent Test
NUW	Nuclear Power Plant Warning

Event Code	Event Description
RHW	Radiological Hazard Warning
RMT	Required Monthly Test
RWT	Required Weekly Test
SMW	Special Marine Warning
SPS	Special Weather Statement
SPW	Shelter In-place Warning
SVA	Severe Thunderstorm Watch
SVR	Severe Thunderstorm Warning
SVS	Severe Weather Statement (U.S., CAN)
TOA	Tornado Watch
TOE	911 Telephone Outage Emergency
TOR	Tornado Warning
TRA	Tropical Storm Watch
TRW	Tropical Storm Warning
TSA	Tsunami Watch
TSW	Tsunami Warning
VOW	Volcano Warning
WSA	Winter Storm Watch
WSW	Winter Storm Warning

Annex I Kansas EAS Relay Network



Annex J

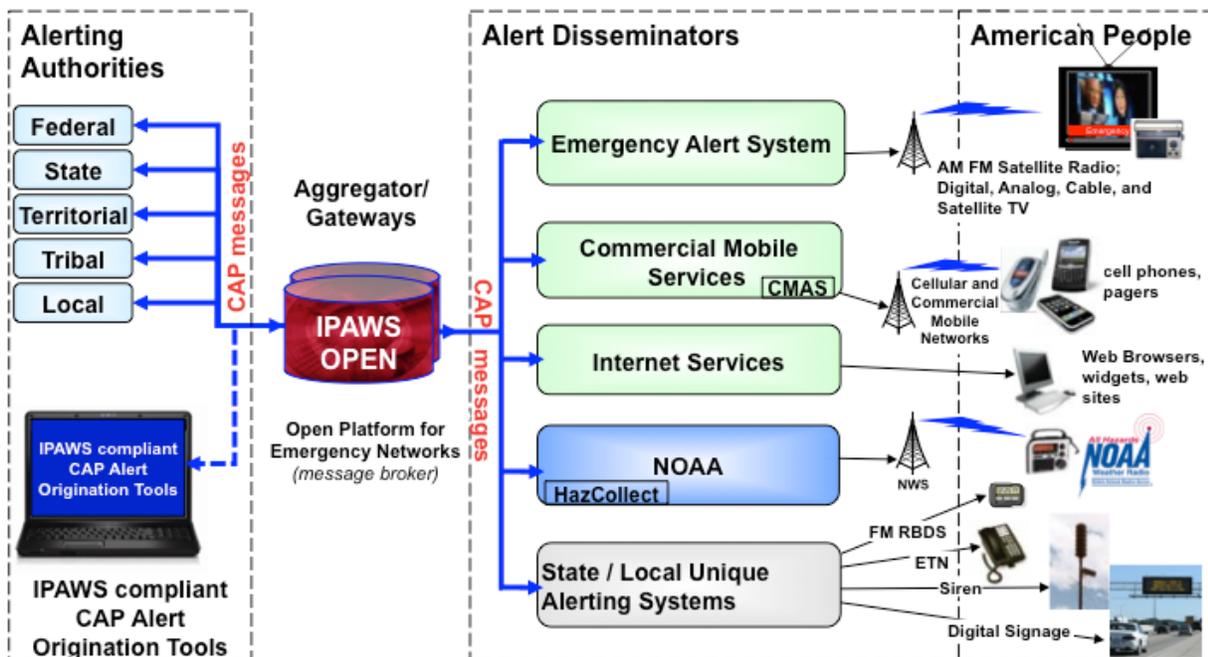
Integrated Public Alert and Warning System (IPAWS)

During an emergency, alert and warning officials need to provide the public with life-saving information quickly. The Integrated Public Alert and Warning System (IPAWS) is a modernization and integration of the nation's alert and warning infrastructure and will save time when time matters most, protecting life and property.

Federal, State, territorial, tribal and local alerting authorities can use IPAWS and may also integrate local systems, which use Common Alerting Protocol standards, with the IPAWS infrastructure. IPAWS provides public safety officials with an effective way to alert and warn the public about serious emergencies using the Emergency Alert System, Wireless Emergency Alerts, NOAA Weather Radio, and other public alerting systems from a single interface. Additional information about IPAWS and how to apply for public alerting permissions can be accessed online at <http://www.fema.gov/integrated-public-alert-warning-system>.

IPAWS Architecture

Standards Based Alert Message protocols, authenticated alert message senders, shared, trusted access & distribution networks, alerts delivered to more public interface devices



Annex K
NOAA Weather Radio Transmitter Sites

Site Name	Transmitter Name	Call Sign	Frequency	Power (watts)	WFO
Abilene	Abilene	WXL71	162.525	1000	Topeka, KS
Beaumont	Beaumont	WWH22	162.500	300	Wichita, KS
Belvidere	Belvidere	WNG534	162.525	1000	Dodge City, KS
Blue Rapids	Merrimac	KZZ67	162.425	1000	Topeka, KS
Chanute	Erie	WXK95	162.400	1000	Wichita, KS
Concordia	Concordia	WXK94	162.550	1000	Topeka, KS
Dighton	Dighton	WNG535	162.525	1000	Dodge City, KS
Dodge City	Ensign	WXK93	162.475	1000	Dodge City, KS
Ellsworth	Ellsworth	WXK92	162.400	1000	Wichita, KS
Gem	Colby	WXK96	162.400	1000	Goodland, KS
Great Bend	Great Bend	KPS511	162.500	1000	Wichita, KS
Halls Summit	Burlington	KGK98	162.425	1000	Topeka, KS
Hays	Hays	WXM35	162.450	1000	Dodge City, KS
Kirwin	Phillipsburg	KWN59	162.500	1000	Hastings, NE
Lenora	Lenora	WWF87	162.425	300	Goodland, KS
Meade	Meade	WNG555	162.425	1000	Dodge City, KS
Parker	Mound City	WZ2512	162.525	1000	Pleasant Hill, MO
Saint Joseph	Wathena	KEC77	162.400	1000	Pleasant Hill, MO
Sharon	Sharon	WZ2511	162.400	1000	Wichita, KS
Topeka	Maple Hill	WXK91	162.475	1000	Topeka, KS
Tribune	Tribune	WWG22	162.550	300	Dodge City, KS
Ulysses	Ulysses	WXN81	162.450	1000	Dodge City, KS
Wichita	Wichita	KEC59	162.550	1000	Wichita, KS

