§ 10.520 Common audio attention signal.

A Participating CMS Provider and equipment manufacturers may only market devices for public use under part 10 that include an audio attention signal that meets the requirements of this section.

(a) The audio attention signal must have a temporal pattern of one long tone of two (2) seconds, followed by two short tones of one (1) second each, with a half (0.5) second interval between each tone. The entire sequence must be repeated twice with a half (0.5) second interval between each repetition.

(b) For devices that have polyphonic capabilities, the audio attention signal must consist of the fundamental frequencies of 853 Hz and 960 Hz transmitted simultaneously.

(c) For devices with only a monophonic capability, the audio attention signal must be 960 Hz.

(d) The audio attention signal must be restricted to use for Alert Messages under part 10.

(e) A device may include the capability to mute the audio attention signal.

§ 10.530 Common vibration cadence.

A Participating CMS Provider and equipment manufacturers may only market devices for public use under part 10 that include a vibration cadence capability that meets the requirements of this section.

(a) The vibration cadence must have a temporal pattern of one long vibration of two (2) seconds, followed by two short vibrations of one (1) second each, with a half (0.5) second interval between each vibration. The entire sequence must be repeated twice with a half (0.5) second interval between each repetition.

(b) The vibration cadence must be restricted to use for Alert Messages under part 10.

(c) A device may include the capability to mute the vibration cadence.

§ 10.540 Attestation requirement. [Reserved]

PART 11—EMERGENCY ALERT SYSTEM (EAS)

Subpart A—General

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AUTHORITY: 47 U.S.C. 151, 154 (i) and (o), 303(r), 544(g) and 606.

SOURCE: 59 FR 67092, Dec. 28, 1994, unless otherwise noted.

Subpart A—General

§11.1 Purpose.

This part contains rules and regulations providing for an Emergency Alert System (EAS). The EAS provides the President with the capability to provide immediate communications and information to the general public at the National, State and Local Area levels during periods of national emergency. The rules in this part describe the required technical standards and operational procedures of the EAS for analog AM, FM, and TV broadcast stations, digital broadcast stations, analog cable systems, digital cable systems, wireline video systems, wireless cable systems. Direct Broadcast Satellite (DBS) services, Satellite Digital Audio Radio Service (SDARS), and other participating entities. The EAS may be used to provide the heads of State and local government, or their designated representatives, with a means of emergency communication with the public in their State or Local Area.

[72 FR 62132, Nov. 2, 2007]

§11.2 Definitions.

The definitions of terms used in part 11 are:

(a.) Emergency Action Notification (EAN). The Emergency Action Notification is the notice to all EAS Participants and to the general public that the EAS has been activated for a national emergency. EAN messages that are formatted in the EAS Protocol (specified in §11.31) are sent from a government origination point to broadcast stations and other entities participating in the PEP system, and are subsequently disseminated via EAS Participants. Dissemination arrangements for EAN messages that are formatted in the EAS Protocol (specified in §11.31) at the State and local levels are specified in the State and Local Area plans (defined at §11.21). A national activation of the EAS for a Presidential message with the Event code EAN as specified in §11.31 must take priority over any other message and preempt it if it is in progress.

(b) Primary Entry Point (PEP) System. The PEP system is a nationwide network of broadcast stations and other entities connected with government activation points. It is used to distribute EAS messages that are formatted in the EAS Protocol (specified in §11.31), including the EAN and EAS national test messages. FEMA has designated some of the nation's largest radio broadcast stations as PEPs. The PEPs are designated to receive the Presidential alert from FEMA and distribute it to local stations.

- (c) Local Primary One (LP-1). The LP-1 is a radio or TV station that acts as a key EAS monitoring source. Each LP-1 station must monitor its regional PEP station and a back-up source for Presidential messages.
- (d) EAS Participants. Entities required under the Commission's rules to comply with EAS rules, e.g., analog radio and television stations, and wired and wireless cable television systems, DBS, DTV, SDARS, digital cable and DAB, and wireline video systems.
- (e) Wireline Video System. The system of a wireline common carrier used to provide video programming service.
- (f) Participating National (PN). PN stations are broadcast stations that transmit EAS National, state, or local EAS messages to the public.
- (g) National Primary (NP). Stations that are the primary entry point for Presidential messages delivered by FEMA. These stations are responsible for broadcasting a Presidential alert to the public and to State Primary stations within their broadcast range.
- (h) State Primary (SP). Stations that are the entry point for State messages, which can originate from the Governor or a designated representative.
- (i) Intermediary Device. An intermediary device is a stand-alone device that carries out the functions of monitoring for, receiving and/or acquiring, and decoding EAS messages formatted in the Common Alerting Protocol (CAP) in accordance with §11.56, and converting such messages into a format that can be inputted into a separate EAS decoder, EAS encoder, or unit combining such decoder and encoder functions, so that the EAS message outputted by such separate EAS decoder, EAS encoder, or unit combining such decoder and encoder functions, and all other functions attendant to

processing such EAS message, comply with the requirements in this part.

[77 FR 16698, Mar. 22, 2012]

§11.11 The Emergency Alert System (EAS).

(a) The EAS is composed of analog radio broadcast stations including AM, FM, and Low-power FM (LPFM) stations; digital audio broadcasting (DAB) stations, including digital AM, FM, and Low-power FM stations: Class A television (CA) and Low-power TV (LPTV) stations; digital television (DTV) broadcast stations, including digital CA and digital LPTV stations; analog cable systems; digital cable systems which are defined for purposes of this part only as the portion of a cable system that delivers channels in digital format to subscribers at the input of a

Unidirectional Digital Cable Product or other navigation device; wireline video systems; wireless cable systems which may consist of Broadband Radio Service (BRS), orEducational Broadband Service (EBS) stations; DBS services, as defined in §25.701(a) of this chapter (including certain Ku-band Fixed-Satellite Service Direct to Home providers); and SDARS, as defined in §25.201 of this chapter. These entities are referred to collectively as EAS Participants in this part, and are subject to this part, except as otherwise provided herein. At a minimum EAS Participants must use a common EAS protocol, as defined in §11.31, to send and receive emergency alerts, and comply with the requirements set forth in §11.56, in accordance with the following tables:

TABLE 1—ANALOG AND DIGITAL BROADCAST STATION EQUIPMENT DEPLOYMENT REQUIREMENTS

EAS equipment requirement	AM & FM	Digital AM & FM	Analog & digital FM class D	Analog & digital LPFM	DTV	Analog & digital class A TV	Analog & digital LPTV
EAS decoder ¹	Y Y Y N/A	Y Y Y N/A	Y N Y N/A	Y N Y N/A	Y Y Y	Y Y Y	Y N Y Y

¹EAS Participants may comply with the obligations set forth in §11.56 to decode and convert CAP-formatted messages into EAS Protocol-compliant messages by deploying an Intermediary Device, as specified in §11.56(b).

ANALOG CABLE SYSTEMS

Analog cable systems are subject to the requirements in Table 2 below. Analog cable systems serving fewer than 5,000 subscribers from a headend may either provide the National level EAS message on all programmed channels including the required testing, or comply with the requirements in Table 2.

TABLE 2-ANALOG CABLE SYSTEM EQUIPMENT **DEPLOYMENT REQUIREMENTS**

EAS equipment requirement	≥5,000 subscribers	<5,000 subscribers
EAS decoder 1 EAS encoder Audio and Video EAS Message on all channels	Y Y	Y Y2 N

TABLE 2—ANALOG CABLE SYSTEM EQUIPMENT DEPLOYMENT REQUIREMENTS—Continued

EAS equipment requirement	≥5,000 subscribers	<5,000 subscribers
Video interrupt and audio alert mes- sage on all chan- nels; ³ Audio and Video EAS mes- sage on at least		v
one channel	N	Y

¹EAS Participants may comply with the obligations set forth in §11.56 to decode and convert CAP-formatted messages into EAS Protocol-compliant messages by deploying an Intermediary Device, as specified in §11.56(b).

²Analog cable systems serving <5,000 subscribers are permitted to operate without an EAS encoder if they instituted as FCC-certified decoder.

WIRELESS CABLE SYSTEMS (BRS/EBS STATIONS)

Wireless cable systems are subject to the requirements in Table 3 below.

³The Video interrupt must cause all channels that carry programming to flash for the duration of the EAS emergency message. The audio alert must give the channel where the EAS messages are carried and be repeated for the duration of the EAS message. [Note: Programmed channels do not include channels used for the transmission of data such as interesting argued.] interactive games.1

Wireless cable systems serving fewer than 5,000 subscribers from a single transmission site must either provide the National level EAS message on all

programmed channels including the required testing, or comply with the requirements in Table 3.

TABLE 3—WIRELESS CABLE SYSTEM EQUIPMENT DEPLOYMENT REQUIREMENTS

EAS equipment requirement	≥5,000 subscribers	<5,000 subscribers
EAS decoder ¹	Y	Y
EAS encoder Audio and Video EAS Message on all channels ³	Y	Y² N
Video interrupt and audio alert message on all channels; ⁴ Audio and Video EAS message on at least one channel	N	Y

¹EAS Participants may comply with the obligations set forth in §11.56 to decode and convert CAP-formatted messages into EAS Protocol-compliant messages by deploying an Intermediary Device, as specified in §11.56(b).

²Wireless cable systems serving <5,000 subscribers are permitted to operate without an EAS encoder if they install an FCC-

DIGITAL CABLE SYSTEMS AND WIRELINE VIDEO SYSTEMS

Digital cable systems and Wireline Video Systems must comply with the requirements in Table 4 below. Digital cable systems and Wireline Video Systems serving fewer than 5,000 subscribers from a headend must either provide the National level EAS message on all programmed channels including the required testing, or comply with the requirements in Table 4.

TABLE 4—DIGITAL CABLE SYSTEM AND WIRELINE VIDEO SYSTEM EQUIPMENT DEPLOYMENT REQUIREMENTS

EAS equipment requirement	≥5,000 subscribers	<5,000 subscribers
EAS decoder ¹	Y	Y V2
Audio and Video EAS Message on all channels ³ Video interrupt and audio alert message on all channels; ⁴ Audio and Video EAS mes-	, Y	N N
sage on at least one channel	N	Y

SDARS AND DBS

EAS equipment requirement	SDARS	DBS
EAS decoder 1	Y	Y
Audio message on all channels ²	Y N/A	Y Y

² Wireless cable systems serving <5,000 subscribers are permitted to operate without an EAS encoder if they install an ECC-certified decoder.</p>
³ All wireless cable systems may comply with this requirement by providing a means to switch all programmed channels to a predesignated channel that carries the required audio and video EAS messages.
⁴ The Video interrupt must cause all channels that carry programming to flash for the duration of the EAS energency message. The audio alert must give the channel where the EAS messages are carried and be repeated for the duration of the EAS message. [Note: Programmed channels do not include channels used for the transmission of data services such as Internet.]

¹EAS Participants may comply with the obligations set forth in §11.56 to decode and convert CAP-formatted messages into EAS Protocol-compliant messages by deploying an Intermediary Device, as specified in §11.56(b).

² Digital cable systems and wireline video systems serving <5,000 subscribers are permitted to operate without an EAS encoder if they install an FCC-certified decoder.

³ All digital cable systems and wireline video systems may comply with this requirement by providing a means to switch all programmed channels to a predesignated channel that carries the required audio and video EAS messages.

⁴ The Video interrupt must cause all channels that carry programming to flash for the duration of the EAS energency message. The audio alert must give the channel where the EAS messages are carried and be repeated for the duration of the EAS message. [Note: Programmed channels do not include channels used for the transmission of data services such as Internet access.] access.]

¹EAS Participants may comply with the obligations set forth in §11.56 to decode and convert CAP-formatted messages into EAS Protocol-compliant messages by deploying an Intermediary Device, as specified in §11.56(b).

²All SDARS and DBS providers may comply with this requirement by providing a means to switch all programmed channels to a predesignated channel that carries the required audio and video EAS messages or by any other method that ensures that viewers of all channels receive the EAS message.

- (b) Analog class D non-commercial educational FM stations as defined in §73.506 of this chapter, digital class D non-commercial educational FM stations, analog LPFM stations as defined in §§ 73.811 and 73.853 of this chapter, digital LPFM stations, analog LPTV stations as defined in §74.701(f), and digital LPTV stations as defined in §74.701(k) of this chapter are not required to comply with §11.32. Analog and digital LPTV stations that operate as television broadcast translator stations, as defined in §74.701(b) of this chapter, are not required to comply with the requirements of this part. FM broadcast booster stations as defined in §74.1201(f) of this chapter and FM translator stations as defined in §74.1201(a) of this chapter which entirely rebroadcast the programming of other local FM broadcast stations are not required to comply with the requirements of this part. International broadcast stations as defined in §73.701 of this chapter are not required to comply with the requirements of this part. Analog and digital broadcast stations that operate as satellites or repeaters of a hub station (or common studio or control point if there is no hub station) and rebroadcast 100 percent of the programming of the hub station (or common studio or control point) may satisfy the requirements of this part through the use of a single set of EAS equipment at the hub station (or common studio or control point) which complies with §§ 11.32 and 11.33.
- (c) For purposes of the EAS, Broadband Radio Service (BRS) and Educational Broadband Service (EBS) stations operated as part of wireless cable systems in accordance with subpart M of part 27 of this chapter are defined as follows:
- (1) A "wireless cable system" is a collection of channels in the BRS or EBS used to provide video programming services to subscribers. The channels may be licensed to or leased by the wireless cable system operator.
- (2) A "wireless cable operator" is the entity that has acquired the right to use the channels of a wireless cable system for transmission of programming to subscribers.

- (d) Local franchise authorities may use any EAS codes authorized by the FCC in any agreements.
- (e) Other technologies and public service providers, such as low earth orbiting satellites, that wish to participate in the EAS may contact the FCC's Public Safety and Homeland Security Bureau or their State Emergency Communications Committee for information and guidance.

[63 FR 29662, June 1, 1998, as amended at 65 FR 7639, Feb. 15, 2000; 65 FR 21657, Apr. 24, 2000; 65 FR 30001, May 10, 2000; 65 FR 34406, May 30, 2000; 67 FR 18506, Apr. 16, 2002; 69 FR 72031, Dec. 10, 2004; 70 FR 19315, Apr. 13, 2005; 70 FR 71031, Nov. 25, 2005; 71 FR 76220, Dec. 20, 2006; 72 FR 62132, Nov. 2, 2007; 77 FR 16699, Mar. 22, 2012]

§§ 11.12-11.14 [Reserved]

§11.15 EAS Operating Handbook.

The EAS Operating Handbook states in summary form the actions to be taken by personnel at EAS Participant facilities upon receipt of an EAN, an EAT, tests, or State and Local Area alerts. It is issued by the FCC and contains instructions for the above situations. A copy of the Handbook must be located at normal duty positions or EAS equipment locations when an operator is required to be on duty and be immediately available to staff responsible for authenticating messages and initiating actions.

[70 FR 71033, Nov. 25, 2005]

§ 11.16 National Control Point Procedures.

The National Control Point Procedures are written instructions issued by the FCC to national level EAS control points. The procedures are divided into sections as follows:

- (a) National Level EAS Activation. This section contains the activation and termination instructions for Presidential messages.
- (b) EAS Test Transmissions. This section contains the instructions for testing the EAS at the National level.
- (c) National Information Center (NIC). This section contains instructions for distributing United States Government official information messages after

§11.18

completion of the National Level EAS activation and termination actions.

[59 FR 67092, Dec. 28, 1994, as amended at 67 FR 18508, Apr. 16, 2002]

§11.18 EAS Designations.

- (a) National Primary (NP) is a source of EAS Presidential messages.
- (b) Local Primary (LP) is a source of EAS Local Area messages. An LP source is responsible for coordinating the carriage of common emergency messages from sources such as the National Weather Service or local emergency management offices as specified in its EAS Local Area Plan. If it is unable to carry out this function, other LP sources in the Local Area may be assigned the responsibility as indicated in State and Local Area Plans. LP sources are assigned numbers (LP-1, 2, 3, etc.) in the sequence they are to be monitored by other broadcast stations in the Local Area.
- (c) State Primary (SP) is a source of EAS State messages. These messages can originate from the Governor or a designated representative in the State Emergency Operating Center (EOC) or State Capital. Messages are sent via the State Relay Network.
- (d) State Relay (SR) is a source of EAS State messages. It is part of the State Relay Network and relays National and State common emergency messages into Local Areas.
- (e) Participating National (PN) sources transmit EAS National, State or Local Area messages. The EAS transmissions of PN sources are intended for direct public reception.

[59 FR 67092, Dec. 28, 1994, as amended at 77 FR 16700, Mar. 22, 2012]

§11.20 State Relay Network.

This network is composed of State Relay (SR) sources, leased common carrier communications facilities or any other available communication facilities. The network distributes State EAS messages originated by the Governor or designated official. In addition to EAS monitoring, satellites, microwave, FM subcarrier or any other communications technology may be used to distribute State emergency messages.

§11.21 State and Local Area plans and FCC Mapbook.

EAS plans contain guidelines which must be followed by EAS Participants' personnel, emergency officials, and National Weather Service (NWS) personnel to activate the EAS. The plans include the EAS header codes and messages that will be transmitted by key EAS sources (NP, LP, SP and SR). State and local plans contain unique methods of EAS message distribution such as the use of the Radio Broadcast Data System (RBDS). The plans must be reviewed and approved by the Chief, Public Safety and Homeland Security Bureau, prior to implementation to ensure that they are consistent with national plans, FCC regulations, and EAS operation.

(a) The State EAS Plan contains procedures for State emergency management and other State officials, the NWS, and EAS Participants' personnel to transmit emergency information to the public during a State emergency using the EAS. EAS State Plans should include a data table, in computer readable form, clearly showing monitoring assignments and the specific primary and backup path for emergency action notification ("EAN") messages that are formatted in the EAS Protocol (specified in §11.31), from the PEP to each station in the plan. If a state's emergency alert system is capable of initiating EAS messages formatted in the Common Alerting Protocol (CAP), its EAS State Plan must include specific and detailed information describing how such messages will be aggregated and distributed to EAS Participants within the state, including the monitoring requirements associated with distributing such messages. Consistent with the requirements of §11.61(a)(3)(iv), EAS Participants shall provide the identifying information required by the EAS Test Reporting System (ETRS) no later than sixty days after the publication in the FEDERAL REGISTER of a notice announcing the approval by the Office of Management and Budget of the modified information collection requirements under the Paperwork Reduction Act of 1995 and an effective date of the rule amendment, or within sixty days of the launch of the ETRS, whichever is later,

and shall renew this identifying information on a yearly basis or as required by any revision of the EAS Participant's State EAS Plan filed pursuant to this section.

- (b) The Local Area plan contains procedures for local officials or the NWS to transmit emergency information to the public during a local emergency using the EAS. Local plans may be a part of the State plan. A Local Area is a geographical area of contiguous communities or counties that may include more than one state.
- (c) The FCC Mapbook is based on the consolidation of the data table required in each State EAS plan with the identifying data contained in the ETRS. The Mapbook organizes all EAS Participants according to their State, EAS Local Area, and EAS designation.

[72 FR 62134, Nov. 2, 2007, as amended at 77 FR 16700, Mar. 22, 2012; 80 FR 37174, June 30, 2015]

EFFECTIVE DATE NOTE: At 80 FR 37174, June 30, 2015, §11.21(a) was revised. This paragraph contains information collection and record-keeping requirements and will not become effective until approval has been given by the Office of Management and Budget.

Subpart B—Equipment Requirements

§11.31 EAS protocol.

- (a) The EAS uses a four part message for an emergency activation of the EAS. The four parts are: Preamble and EAS Header Codes; audio Attention Signal; message; and, Preamble and EAS End Of Message (EOM) Codes.
- (1) The Preamble and EAS Codes must use Audio Frequency Shift Keying at a rate of 520.83 bits per second to transmit the codes. Mark frequency is 2083.3 Hz and space frequency is 1562.5 Hz. Mark and space time must be 1.92 milliseconds. Characters are ASCII seven bit characters as defined in ANSI X3.4–1977 ending with an eighth null bit (either 0 or 1) to constitute a full eightbit byte.
- (2) The Attention Signal must be made up of the fundamental frequencies of 853 and 960 Hz. The two tones must be transmitted simultaneously. The Attention Signal must be transmitted after the EAS header codes

- (3) The message may be audio, video or text.
- (b) The ASCII dash and plus symbols are required and may not be used for any other purpose. Unused characters must be ASCII space characters. FM or TV call signs must use a slash ASCII character number 47 (/) in lieu of a dash.
- (c) The EAS protocol, including any codes, must not be amended, extended or abridged without FCC authorization. The EAS protocol and message format are specified in the following representation

Examples are provided in FCC Public Notices.

- [PREAMBLE]ZCZC-ORG-EEE-PSSCCC
- + TTTT-JJJHHMM-LLLLLLLL-(one second pause)
 [PREAMBLE]ZCZC-ORG-EEE-PSSCCC
- + TTTTpJJJHHMM-LLLLLLLL-(one second pause)
- [PREAMBLE]ZCZC-ORG-EEE-PSSCCC + TTTT-JJJHHMM-LLLLLLLL-(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 specified in paragraph (d) of this section.
- EEE—This is the Event code and indicates the nature of the EAS activation. The codes are specified in paragraph (e) of this section. The Event codes must be compatible with the codes used by the NWS Weather Radio Specific Area Message Encoder (WRSAME).

PSSCCC-This is the Location code and indicates the geographic area affected by the EAS alert. There may be 31 Location codes in an EAS alert. The Location code uses the codes described in the American National Standards Institute (ANSI) standard, ANSI INCITS 31-2009 ("Information technology-Codes for the Identification of Counties and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas"). Each state is assigned an SS number as specified in paragraph (f) of this section. Each county and some cities are assigned a CCC number. A CCC number of 000 refers to an entire State or Territory. P defines county subdivisions as follows: 0 = all or an unspecified portion of a county, 1 = Northwest, 2 = North, 3 = Northeast, 4 = West, 5 = Central, 6 = East, 7 = Southwest, 8 = South, 9 = Southeast. Other numbers may be designated later for special applications. The use of county subdivisions will probably be rare and generally for oddly shaped or unusually large counties. Any subdivisions must be defined and agreed to by the local officials prior to use.

- + 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).
- LLLLLLL—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.

(d) The only originator codes are:

Originator	ORG code
EAS Participant	CIV WXR

(e) The following Event (EEE) codes are presently authorized:

	Event codes
National Codes (Required):	
Emergency Action Notification (National	EAN.
only).	
National Information Center	NIC
National Periodic Test	NPT.
Required Monthly Test	RMT.
Required Weekly Test	RWT.
State and Local Codes (Optional):	
Administrative Message	ADR.
Avalanche Warning	AVW ¹ .
Avalanche Watch	AVA ¹ .
Blizzard Warning	BZW.
Child Abduction Emergency	CAE 1.
Civil Danger Warning	CDW 1.
Civil Emergency Message	CEM.
Coastal Flood Warning	CFW 1.
Coastal Flood Watch	CFA 1.
Dust Storm Warning	DSW 1.
Earthquake Warning	EQW 1.
Evacuation Immediate	EVI.
Fire Warning	FRW 1.
Flash Flood Warning	FFW.
Flash Flood Watch	FFA.
Flash Flood Statement	FFS.
Flood Warning	FLW.
Flood Watch	FLA.
Flood Statement	FLS.
Hazardous Materials Warning	HMW 1.
High Wind Warning	HWW.
High Wind Watch	HWA.
Hurricane Warning	HUW.
Hurricane Watch Hurricane Statement	HUA. HLS.
	LEW ¹ .
Law Enforcement Warning	LAE1.
Local Area Emergency	
Network Message Notification	NMN ¹ . TOE ¹ .
911 Telephone Outage Emergency Nuclear Power Plant Warning	NUW ¹ .
Practice/Demo Warning	DMO.
Radiological Hazard Warning	RHW ¹ .
Severe Thunderstorm Warning	SVR.
Severe Thunderstorm Watch	SVA.
Severe Weather Statement	SVS.
Shelter in Place Warning	SPW ¹ .
Special Marine Warning	SMW 1.
Special Weather Statement	SPS.
Tornado Warning	TOR.
Tornado Watch	TOA.
Tropical Storm Warning	TRW ¹ .
Tropical Storm Warning	TRA ¹ .
Tsunami Warning	TSW.
Tsunami Watch	TSA.
	VOW 1.
Volcano Warning	
Volcano Warning Winter Storm Warning	wsw.

¹ Effective May 16, 2002, analog radio and television broadcast stations, analog cable systems and wireless cable systems may upgrade their existing EAS equipment to add these event codes on a voluntary basis until the equipment is replaced. All models of EAS equipment manufactured after August 1, 2003 must be capable of receiving and transmitting these event codes. EAS Participants that install or replace their EAS equipment after February 1, 2004 must install equipment that is capable of receiving and transmitting these event codes.

(f) The All U.S., State, Territory and Offshore (Marine Area) ANSI number codes (SS) are as follows. County ANSI numbers (CCC) are contained in the State EAS Mapbook.

AL AL AL AK AZ AR CA CR COT CT CT CT CT CT CT CT CT C			ANSI No.
AL AK AZ AR AR CA CR CT	U.S.		
AK AZ AR CC CO CO CT	ite:	Al	
AZ			
AR CA CO CO CT DE DE DC GA H I D DC H I I I I I I I I I I I I I I I I I I			
CO			
CT DE DC DC FL GA			
DE CC FL GA GA HI GA			
DC FL GA HI ID ID IL IN N IA KS KS KY LA ME MM MM MM MM MM MM MM MN MS MS MO MO MT NE NV NV NH NN			
FL GA HI ID ID IL IL IN IN IA IA IS			
GA HI ID ID IL II. IN IN IA KS KS KY Y LA ME MM MM MM MM MM MM MM MN MS MS MO MO MT IN			
HI ID IL IL IN IN IA IA KS KS KY LA ME MM MM MM MM MM MM MM MN MS MO MT NE NV NV NH H NI NV NV NH NT NC NC ND OH OH OK OK OR R RI SC SS SD TN TX TX UT TY			
IL IN IN IA			
IN IA IS IS IS IS IN IN IS			
IA KS KY LA ME MD MA MI MN MN MS MS MS MO MT MT NE NV NV NH NV NV NH NV NC ND OH OK SC SC SD TN TX TX UT TX UT VT VA WA WA WV WI WY WY LA AS FM MG		L	
KS KY LA			
KY LA ME MD MA MI MN MI MN MS MS MO MT MT NE NV NV NH NV NV NH NV NC ND OH OK OR OR PA RI SC SC SD TN TX TX UT TY VA WA WA WV WI WY WI WY WI WY WI WY WI MH			
LA ME MD MA MI MN MN MS MO MT NE NV NH NI NN NN NY NC OR PA RI SC SC SD TN TX UT TX UT VY VA WA WV WI WI WI WI WI WI WI WI WI			
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	ANSI No.
Gulf of Mexico, and along the U.S. Gulf Coast from the Mexican border to Bonita Beach, FL	77
Lake Superior	91
Lake Michigan	92
Lake Huron	93
Lake St. Clair	94
Lake Erie	96
Lake Ontario	97
St. Lawrence River above St. Regis	98

¹Effective May 16, 2002, analog radio and television broadcast stations, analog cable systems and wireless cable systems may upgrade their existing EAS equipment to add these marine area location codes on a voluntary basis until the equipment is replaced. All models of EAS equipment manufactured after August 1, 2003, must be capable of receiving and transmitting these marine area location codes. EAS Participants that install or replace their EAS equipment after February 1, 2004, must install equipment that is capable of receiving and transmitting these location codes.

[59 FR 67092, Dec. 28, 1994, as amended at 60 FR 55999, Nov. 6, 1995; 61 FR 54952, Oct. 23, 1996; 63 FR 29663, June 1, 1998; 67 FR 18508, Apr. 16, 2002; 67 FR 77174, Dec. 17, 2002; 69 FR 72031, Dec. 10, 2004; 70 FR 71033, Nov. 25, 2005; 77 FR 16701, Mar. 22, 2012; 80 FR 37174, June 30, 2015]

§11.32 EAS Encoder.

- (a) EAS Encoders must at a minimum be capable of encoding the EAS protocol described in §11.31 and providing the EAS code transmission requirements described in §11.51. EAS encoders must additionally provide the following minimum specifications:
- (1) Encoder programming. Access to encoder programming shall be protected by a lock or other security measures and be configured so that authorized personnel can readily select and program the EAS Encoder with Originator, Event and Location codes for either manual or automatic operation.
- (2) *Inputs*. The encoder shall have at least one input port used for audio messages and at least one input port used for data messages.
- (3) Outputs. The encoder shall have at least one audio output port and at least one data output port.
- (4) Calibration. EAS Encoders must provide a means to comply with the modulation levels required in §11.51(f).
- (5) Day-Hour-Minute and Identification Stamps. The encoder shall affix the JJJHHMM and LLLLLLL codes automatically to all initial messages.
- (6) Program Data Retention. Program data and codes shall be retained even with the power removed.
- (7) *Indicator*. An aural or visible means that it activated when the Preamble is sent and deactivated at the End of Message code.

- (8) Spurious Response. All frequency components outside 200 to 4000 Hz shall be attenuated by 40 dB or more with respect to the output levels of the mark or space frequencies.
- (9) Attention Signal generator. The encoder must provide an attention signal that complies with the following:
- (i) Tone Frequencies. The audio tones shall have fundamental frequencies of 853 and 960 Hz and not vary over ± 0.5 Hz.
- (ii) *Harmonic Distortion*. The total harmonic distortion of each of the audio tones may not exceed 5% at the encoder output terminals.
- (iii) Minimum Level of Output. The encoder shall have an output level capability of at least + 8 dBm into a 600 Ohm load impedance at each audio tone. A means shall be provided to permit individual activation of the two tones for calibration of associated systems.
- (iv) Time Period for Transmission of Tones. The encoder shall have timing circuitry that automatically generates the two tones simultaneously for a time period of 8 seconds.
- (v) Inadvertent activation. The switch used for initiating the automatic generation of the simultaneous tones shall be protected to prevent accidental operation
- (vi) Indicator Display. The encoder shall be provided with a visual and/or aural indicator which clearly shows that the Attention Signal is activated.
- (b) Operating Temperature and Humidity. Encoders shall have the ability to operate with the above specifications within an ambient temperature range of 0 to + 50 degrees C and a range of relative humidity of up to 95%.

- (c) Primary Supply Voltage Variation. Encoders shall be capable of complying with the requirements of this section during a variation in primary supply voltage of 85 percent to 115 percent of its rated value.
- (d) Testing Encoder Units. Encoders not covered by §11.34(e) of this part shall be tested in a 10 V/m minimum RF field at an AM broadcast frequency and a 0.5 V/m minimum RF field at an FM or TV broadcast frequency to simulate actual working conditions.

[59 FR 67092, Dec. 28, 1994, as amended at 77 FR 16703, Mar. 22, 2012]

§11.33 EAS Decoder.

- (a) An EAS Decoder must at a minimum be capable of providing the EAS monitoring functions described in §11.52, decoding EAS messages formatted in accordance with the EAS Protocol described in §11.31, and converting Common Alerting Protocol (CAP)-formatted EAS messages into EAS alert messages that comply with the EAS Protocol, in accordance with §11.56(a)(2), with the exception that the CAP-related monitoring and conversion requirements set forth $\S\S 11.52(d)(2)$ and 11.56(a)(2) can be satisfied via an Intermediary Device, as specified in §11.56(b), provided that all other requirements set forth in this part are met. An EAS Decoder also must be capable of the following minimum specifications:
- (1) Inputs. Decoders must have the capability to receive at least two audio inputs from EAS monitoring assignments, and at least one data input. The data input(s) may be used to monitor other communications modes such as Radio Broadcast Data System (RBDS), NWR, satellite, public switched telephone network, or any other source that uses the EAS protocol.
- (2) Valid codes. There must be a means to determine if valid EAS header codes are received and to determine if preselected header codes are received.
- (3) Storage. Decoders must provide the means to:
- (i) Record and store, either internally or externally, at least two minutes of audio or text messages. A decoder manufactured without an internal means to record and store audio or text must be

- equipped with a means (such as an audio or digital jack connection) to couple to an external recording and storing device.
- (ii) Store at least ten preselected event and originator header codes, in addition to the seven mandatory event/ originator codes for tests and national activations, and store any preselected location codes for comparison with inheader codes. A noncoming preselected header code that is manually transmitted must be stored for comparison with later incoming header codes. The header codes of the last ten received valid messages which still have valid time periods must be stored for comparison with the incoming valid header codes for later messages. These last received header codes will be deleted from storage as their valid time periods expire.
- (4) Display and logging. For received alert messages formatted in both the EAS Protocol and Common Alerting Protocol, a visual message shall be developed from any valid header codes for tests and national activations and any preselected header codes received. The message shall at a minimum include the Originator, Event, Location, the valid time period of the message and the local time the message was transmitted. The message shall be in the primary language of the EAS Participant and be fully displayed on the decoder and readable in normal light and darkness. The visual message developed from received alert messages formatted in the Common Alerting Protocol must conform to the requirements in §§11.51(d), (g)(3), (h)(3), and (j)(2) of this part. All existing and new models of EAS decoders manufactured after August 1, 2003 must provide a means to permit the selective display and logging of EAS messages containing header codes for state and local EAS events. Effective May 16, 2002, analog radio and television broadcast stations, analog cable systems and wireless cable systems may upgrade their decoders on an optional basis to include a selective display and logging capability for EAS messages containing header codes for state and local events. EAS Participants that install or replace their decoders after February 1, 2004 must install decoders that

provide a means to permit the selective display and logging of EAS messages containing header codes for state and local EAS events.

- (5) *Indicators*. EAS decoders must have a distinct and separate aural or visible means to indicate when any of the following conditions occurs:
- (i) Any valid EAS header codes are received as specified in §11.33(a)(10).
- (ii) Preprogrammed header codes, such as those selected in accordance with §11.52(d)(2) are received.
- (iii) A signal is present at each audio input that is specified in §11.33(a)(1).
- (6) Program Data Retention. The program data must be retained even with power removed.
- (7) Outputs. Decoders shall have at least one data port where received valid EAS header codes and received preselected header codes are available, at least one audio port that is capable of monitoring each decoder audio input, and an internal speaker to enable personnel to hear audio from each input.
- (8) Decoder Programming. Access to decoder programming shall be protected by a lock or other security measures and be configured so that authorized personnel can readily select and program the EAS Decoder with preselected Originator, Event and Location codes for either manual or automatic operation.
- (9) Reset. There shall be a method to automatically or manually reset the decoder to the normal monitoring condition. Operators shall be able to select a time interval, not less than two minutes, in which the decoder would automatically reset if it received an EAS header code but not an end-of-message (EOM) code. Messages received with the EAN Event codes shall disable the reset function so that lengthy audio messages can be handled. The last message received with valid header codes shall be displayed as required by paragraph (a)(4) of this section before the decoder is reset.
- (10) Message Validity. An EAS Decoder must provide error detection and validation of the header codes of each message to ascertain if the message is valid. Header code comparisons may be accomplished through the use of a bit-by-bit compare or any other error de-

tection and validation protocol. A header code must only be considered valid when two of the three headers match exactly. Duplicate messages must not be relayed automatically.

- (11) A header code with the EAN Event code specified in §11.31(c) that is received through any of the audio or data inputs must override all other messages.
- (b) Decoders shall be capable of operation within the tolerances specified in this section as well as those in §11.32 (b), (c) and (d).

[59 FR 67092, Dec. 28, 1994, as amended at 60 FR 55999, Nov. 6, 1995; 67 FR 18510, Apr. 16, 2002; 70 FR 71033, Nov. 25, 2005; 77 FR 16703, Mar. 22, 2012]

§11.34 Acceptability of the equipment.

- (a) An EAS Encoder used for generating the EAS codes and the Attention Signal must be Certified in accordance with the procedures in part 2, subpart J, of this chapter. The data and information submitted must show the capability of the equipment to meet the requirements of this part as well as the requirements contained in part 15 of this chapter for digital devices.
- (b) Decoders used for the detection of the EAS codes and receiving the Attention Signal must be Certified in accordance with the procedures in part 2, subpart J, of this chapter. The data and information submitted must show the capability of the equipment to meet the requirements of this part as well as the requirements contained in part 15 of this chapter for digital devices.
- (c) The functions of the EAS decoder, Attention Signal generator and receiver, and the EAS encoder specified in §§11.31, 11.32 and 11.33 may be combined and Certified as a single unit provided that the unit complies with all specifications in this rule section.
- (d) Manufacturers must include instructions and information on how to install, operate and program an EAS Encoder, EAS Decoder, or combined unit and a list of all State and county ANSI numbers with each unit sold or marketed in the U.S.
- (e) Waiver requests of the Certification requirements for EAS Encoders or EAS Decoders which are constructed for use by an EAS Participant, but are not offered for sale will be considered

on an individual basis in accordance with part 1, subpart G, of this chapter.

(f) Modifications to existing authorized EAS decoders, encoders or combined units necessary to implement the new EAS codes specified in §11.31 and to implement the selective displaying and logging feature specified in §11.33(a)(4) will be considered Class I permissive changes that do not require a new application for and grant of equipment certification under part 2, subpart J of this chapter.

(g) All existing and new models of EAS encoders, decoders and combined units manufactured after August 1, 2003 must be capable of generating and detecting the new EAS codes specified in §11.31 in order to be certified under part 2, subpart J of this chapter. All existing and new models of EAS decoders and combined units manufactured after August 1, 2003 must have the selective displaying and logging capability specified in §11.33(a)(4) in order to be certified under part 2, subpart J of this chapter.

[59 FR 67092, Dec. 28, 1994, as amended at 60 FR 56000, Nov. 6, 1995; 67 FR 18510, Apr. 16, 2002; 70 FR 71034, Nov. 25, 2005; 77 FR 16703, Mar. 22, 2012]

§ 11.35 Equipment operational readiness.

(a) EAS Participants are responsible for ensuring that EAS Encoders, EAS Decoders, Attention Signal generating and receiving equipment, and Intermediate Devices used as part of the EAS to decode and/or encode messages formatted in the EAS Protocol and/or the Common Alerting Protocol are installed so that the monitoring and transmitting functions are available during the times the stations and systems are in operation. Additionally, EAS Participants must determine the cause of any failure to receive the required tests or activations specified in §11.61(a)(1) and (2). Appropriate entries indicating reasons why any tests were not received must be made in the broadcast station log as specified in §§ 73.1820 and 73.1840 of this chapter for all broadcast streams and cable system records as specified in §§ 76.1700, 76.1708, and 76.1711 of this chapter. All other EAS Participants must also keep records indicating reasons why any

tests were not received and these records must be retained for two years, maintained at the EAS Participant's headquarters, and made available for public inspection upon reasonable request.

(b) If an EAS Encoder, EAS Decoder or Intermediary Device used as part of the EAS to decode and/or encode messages formatted in the EAS Protocol and/or the Common Alerting Protocol becomes defective, the EAS Participant may operate without the defective equipment pending its repair or replacement for 60 days without further FCC authority. Entries shall be made in the broadcast station log, cable system records, and records of other EAS Participants, as specified in paragraph (a) of this section, showing the date and time the equipment was removed and restored to service. For personnel training purposes, the required monthly test script must still be transmitted even though the equipment for generating the EAS message codes, Attention Signal and EOM code is not func-

(c) If repair or replacement of defective equipment is not completed within 60 days, an informal request shall be submitted to the Regional Director of the FCC field office serving the area in which the EAS Participant is located. or in the case of DBS and SDARS providers to the Regional Director of the FCC field office serving the area where their headquarters is located, for additional time to repair the defective equipment. This request must explain what steps have been taken to repair or replace the defective equipment, the alternative procedures being used while the defective equipment is out of service, and when the defective equipment will be repaired or replaced.

[70 FR 71034, Nov. 25, 2005, as amended at 77 FR 16704, Mar. 22, 2012; 80 FR 53750, Sept. 8, 2015]

Subpart C—Organization

§11.41 Participation in EAS.

All EAS Participants specified in §11.11 are categorized as Participating National (PN) sources, and must have

immediate access to an EAS Operating Handbook.

[77 FR 16704, Mar. 22, 2012]

§11.42 [Reserved]

§11.43 National level participation.

Entities that wish to voluntarily participate in the national level EAS may submit a written request to the Chief, Public Safety and Homeland Security Bureau.

[71 FR 69038, Nov. 29, 2006]

§11.44 [Reserved]

§11.45 Prohibition of false or deceptive EAS transmissions.

No person may transmit or cause to transmit the EAS codes or Attention Signal, or a recording or simulation thereof, in any circumstance other than in an actual National, State or Local Area emergency or authorized test of the EAS. Broadcast station licensees should also refer to §73.1217 of this chapter.

§ 11.46 EAS public service announcements.

EAS Participants may use Public Service Announcements or obtain commercial sponsors for announcements, infomercials, or programs explaining the EAS to the public. Such announcements and programs may not be a part of alerts or tests, and may not simulate or attempt to copy alert tones or codes.

[70 FR 71034, Nov. 25, 2005]

§11.47 Optional use of other communications methods and systems.

(a) Analog and digital broadcast stations may additionally transmit EAS messages through other communications means. For example, on a voluntary basis, FM stations may use subcarriers to transmit the EAS codes including 57 kHz using the RBDS standard produced by the National Radio Systems Committee (NRSC) and television stations may use subsidiary communications services.

(b) Other technologies and public service providers, such as low earth orbiting satellites, that wish to participate in the EAS may contact the FCC's Public Safety and Homeland Security Bureau or their State Emergency Communications Committee for information and guidance.

[70 FR 71034, Nov. 25, 2005, as amended at 71 FR 76220, Dec. 20, 2006; 72 FR 62135, Nov. 2, 2007]

Subpart D—Emergency Operations

§11.51 EAS code and Attention Signal Transmission requirements.

(a) Analog and digital broadcast stations must transmit, either automatically or manually, national level EAS messages and required tests by sending the EAS header codes, Attention Signal, emergency message and End of Message (EOM) codes using the EAS Protocol. The Attention Signal must precede any emergency audio message.

(b) When relaying EAS messages, EAS Participants may transmit only the EAS header codes and the EOM code without the Attention Signal and emergency message for State and local emergencies. Pauses in video programming before EAS message transmission should not cause television receivers to mute EAS audio messages. No Attention Signal is required for EAS messages that do not contain audio programming, such as a Required Weekly Test.

(c) All analog and digital radio and television stations shall transmit EAS messages in the main audio channel. All DAB stations shall also transmit EAS messages on all audio streams. All DTV broadcast stations shall also transmit EAS messages on all program streams.

(d) Analog and digital television broadcast stations shall transmit a visual message containing the Originator, Event, Location and the valid time period of an EAS message. Effective June 30, 2012, visual messages derived from CAP-formatted EAS messages shall contain the Originator, Event, Location and the valid time period of the message and shall be constructed in accordance with §3.6 of the "ECIG Recommendations for a CAP EAS Implementation Guide, Version 1.0" (May 17,

2010), except that if the EAS Participant has deployed an Intermediary Device to meet its CAP-related obligations, this requirement shall be effective June 30, 2015, and until such date shall be subject to the general requirement to transmit a visual message containing the Originator, Event, Location and the valid time period of the EAS message.

- (1) The visual message portion of an EAS alert, whether video crawl or block text, must be displayed:
- (i) At the top of the television screen or where it will not interfere with other visual messages
- (ii) In a manner (*i.e.*, font size, color, contrast, location, and speed) that is readily readable and understandable,
- (iii) That does not contain overlapping lines of EAS text or extend beyond the viewable display (except for video crawls that intentionally scroll on and off of the screen), and
- (iv) In full at least once during any EAS message.
- (2) The audio portion of an EAS message must play in full at least once during any EAS message.
- (e) Analog class D non-commercial educational FM stations as defined in §73.506 of this chapter, digital class D non-commercial educational FM stations, analog Low Power FM (LPFM) stations as defined in §873.811 and 73.853 of this chapter, digital LPFM stations, analog low power TV (LPTV) stations as defined in §74.701(f) of this chapter, and digital LPTV stations as defined in §74.701(k) of this chapter are not required to have equipment capable of generating the EAS codes and Attention Signal specified in §11.31.
- (f) Analog and digital broadcast station equipment generating the EAS codes and the Attention Signal shall modulate a broadcast station transmitter so that the signal broadcast to other EAS Participants alerts them that the EAS is being activated or tested at the National, State or Local Area level. The minimum level of modulation for EAS codes, measured at peak modulation levels using the internal output required calibration §11.32(a)(4), shall modulate the transmitter at the maximum possible level, but in no case less than 50% of full channel modulation limits. Measured

at peak modulation levels, each of the Attention Signal tones shall be calibrated separately to modulate the transmitter at no less than 40%. These two calibrated modulation levels shall have values that are within 1 dB of each other.

- (g) Analog cable systems and digital cable systems with fewer than 5,000 subscribers per headend and wireline video systems and wireless cable systems with fewer than 5,000 subscribers shall transmit EAS audio messages in the same order specified in paragraph (a) of this section on at least one channel. The Attention signal may be produced from a storage device. Additionally, these analog cable systems, digital cable systems, and wireless cable systems:
- (1) Must install, operate, and maintain equipment capable of generating the EAS codes. The modulation levels for the EAS codes and Attention Signal for analog cable systems shall comply with the aural signal requirements in §76.605 of this chapter,
- (2) Must provide a video interruption and an audio alert message on all channels. The audio alert message must state which channel is carrying the EAS video and audio message,
- (3) Shall transmit a visual EAS message on at least one channel. The visual message shall contain the Originator, Event, Location, and the valid time period of the EAS message. Effective June 30, 2012, visual messages derived from CAP-formatted EAS messages shall contain the Originator, Event, Location and the valid time period of the message and shall be constructed in accordance with §3.6 of the "ECIG Recommendations for a CAP EAS Implementation Guide, Version 1.0" (May 17, 2010), except that if the EAS Participant has deployed an Intermediary Device to meet its CAP-related obligations, this requirement shall be effective June 30, 2015, and until such date shall be subject to the general requirement to transmit a visual message containing the Originator, Event, Location and the valid time period of the EAS message.
- (i) The visual message portion of an EAS alert, whether video crawl or block text, must be displayed:

- (A) At the top of the television screen or where it will not interfere with other visual messages;
- (B) In a manner (*i.e.*, font size, color, contrast, location, and speed) that is readily readable and understandable;
- (C) That does not contain overlapping lines of EAS text or extend beyond the viewable display (except for video crawls that intentionally scroll on and off of the screen), and
- (D) In full at least once during any EAS message.
- (ii) The audio portion of an EAS message must play in full at least once during any EAS message.
- (4) May elect not to interrupt EAS messages from broadcast stations based upon a written agreement between all concerned. Further, analog cable systems, digital cable systems, and wireless cable systems may elect not to interrupt the programming of a broadcast station carrying news or weather related emergency information with state and local EAS messages based on a written agreement between all parties.
- (5) Wireless cable systems and digital cable systems with a requirement to carry the audio and video EAS message on at least one channel and a requirement to provide video interrupt and an audio alert message on all other channels stating which channel is carrying the audio and video EAS message, may comply by using a means on all programmed channels that automatically tunes the subscriber's set-top box to a pre-designated channel which carries the required audio and video EAS messages.
- (h) Analog cable systems and digital cable systems with 10,000 or more subscribers; analog cable and digital cable systems serving 5,000 or more, but less than 10,000 subscribers per headend; and wireline video systems and wireless cable systems with 5,000 or more subscribers shall transmit EAS audio messages in the same order specified in paragraph (a) of this section. The Attention signal may be produced from a storage device. Additionally, these analog cable systems, digital cable systems, and wireless cable systems:
- (1) Must install, operate, and maintain equipment capable of generating the EAS codes. The modulation levels

- for the EAS codes and Attention Signal for analog cable systems shall comply with the aural signal requirements in §76.605 of this chapter. This will provide sufficient signal levels to operate subscriber television and radio receivers equipped with EAS decoders and to audibly alert subscribers. Wireless cable systems and digital cable systems shall also provide sufficient signal levels to operate subscriber television and radio receivers equipped with EAS decoders and to audibly alert subscribers.
- (2) Shall transmit the EAS audio message required in paragraph (a) of this section on all downstream channels
- (3) Shall transmit the EAS visual message on all downstream channels. The visual message shall contain the Originator, Event, Location, and the valid time period of the EAS message. Effective June 30, 2012, visual messages derived from CAP-formatted EAS messages shall contain the Originator, Event, Location and the valid time period of the message and shall be constructed in accordance with §3.6 of the "ECIG Recommendations for a CAP EAS Implementation Guide, Version 1.0" (May 17, 2010), except that if the EAS Participant has deployed an Intermediary Device to meet its CAP-related obligations, this requirement shall be effective June 30, 2015, and until such date shall be subject to the general requirement to transmit a visual message containing the Originator, Event, Location and the valid time period of the EAS message.
- (i) The visual message portion of an EAS alert, whether video crawl or block text, must be displayed:
- (A) At the top of the television screen or where it will not interfere with other visual messages
- (B) In a manner (*i.e.*, font size, color, contrast, location, and speed) that is readily readable and understandable,
- (C) That does not contain overlapping lines of EAS text or extend beyond the viewable display (except for video crawls that intentionally scroll on and off of the screen), and
- (D) In full at least once during any EAS message.

- (ii) The audio portion of an EAS message must play in full at least once during any EAS message.
- (4) May elect not to interrupt EAS messages from broadcast stations based upon a written agreement between all concerned. Further, analog cable systems, digital cable systems, and wireless cable systems may elect not to interrupt the programming of a broadcast station carrying news or weather related emergency information with state and local EAS messages based on a written agreement between all parties.
- (5) Wireless cable systems and digital cable systems with a requirement to carry the audio and video EAS message on all downstream channels may comply by using a means on all programmed channels that automatically tunes the subscriber's set-top box to a pre-designated channel which carries the required audio and video EAS messages.
- (i) SDARS licensees shall transmit national audio EAS messages on all channels in the same order specified in paragraph (a) of this section.
- (1) SDARS licensees must install, operate, and maintain equipment capable of generating the EAS codes.
- (2) SDARS licensees may determine the distribution methods they will use to comply with this requirement.
- (j) DBS providers shall transmit national audio and visual EAS messages on all channels in the same order specified in paragraph (a) of this section.
- (1) DBS providers must install, operate, and maintain equipment capable of generating the EAS codes.
- (2) The visual message shall contain the Originator, Event, Location, and the valid time period of the EAS message. Effective June 30, 2012, visual messages derived from CAP-formatted EAS messages shall contain the Originator, Event, Location and the valid time period of the message and shall be constructed in accordance with §3.6 of the "ECIG Recommendations for a EAS Implementation Guide, Version 1.0" (May 17, 2010), except that if the EAS Participant has deployed an Intermediary Device to meet its CAPrelated obligations, this requirement shall be effective June 30, 2015, and until such date shall be subject to the

- general requirement to transmit a visual message containing the Originator, Event, Location and the valid time period of the EAS message.
- (i) The visual message portion of an EAS alert, whether video crawl or block text, must be displayed:
- (A) At the top of the television screen or where it will not interfere with other visual messages
- (B) In a manner (*i.e.*, font size, color, contrast, location, and speed) that is readily readable and understandable,
- (C) That does not contain overlapping lines of EAS text or extend beyond the viewable display (except for video crawls that intentionally scroll on and off of the screen), and
- (D) In full at least once during any EAS message.
- (ii) The audio portion of an EAS message must play in full at least once during any EAS message.
- (3) DBS providers may determine the distribution methods they will use to comply with this requirement. Such methods may include distributing the EAS message on all channels, using a means to automatically tune the subscriber's set-top box to a pre-designated channel which carries the required audio and video EAS messages, and/or passing through the EAS message provided by programmers and/or local channels (where applicable).
- (k) If manual interrupt is used as authorized in paragraph (m) of this section, EAS Encoders must be located so that EAS Participant staff, at normal duty locations, can initiate the EAS code and Attention Signal transmission.
- (1) EAS Participants that are coowned and co-located with a combined studio or control facility, (such as an AM and FM licensed to the same entity and at the same location or a cable headend serving more than one system may provide the EAS transmitting requirements contained in this section for the combined stations or systems with one EAS Encoder. The requirements of §11.32 must be met by the combined facility.
- (m) EAS Participants are required to transmit all received EAS messages in which the header code contains the Event codes for Emergency Action Notification (EAN) and Required Monthly

Test (RMT), and when the accompanying location codes include their State or State/county. These EAS messages shall be retransmitted unchanged except for the LLLLLLLL-code which identifies the EAS Participant transmitting the See message. §11.31(c). If an EAS source originates an EAS message with the Event codes in this paragraph, it must include the location codes for the State and counties in its service area. When transmitting the required weekly test, EAS Participants shall use the event code RWT. The location codes are the state and county for the broadcast station city of license or system community or city. Other location codes may be included upon approval of station or system management. EAS messages may be transmitted automatically or manually.

- (1) Automatic interrupt of programming and transmission of EAS messages are required when facilities are unattended. Automatic transmissions must include a permanent record that contains at a minimum the following information: Originator, Event, Location and valid time period of the message. The decoder performs the functions necessary to determine which EAS messages are automatically transmitted by the encoder.
- (2) Manual interrupt of programming and transmission of EAS messages may be used. EAS messages with the EAN Event code, or the National Periodic Test (NPT) Event code in the case of a nationwide test of the EAS, must be transmitted immediately; Monthly EAS test messages must be transmitted within 60 minutes. All actions must be logged and include the minimum information required for EAS video messages.
- (n) EAS Participants may employ a minimum delay feature, not to exceed 15 minutes, for automatic interruption of EAS codes. However, this may not be used for the EAN Event code, or the NPT Event code in the case of a nationwide test of the EAS, which must be transmitted immediately. The delay time for an RMT message may not exceed 60 minutes.
- (o) Either manual or automatic operation of EAS equipment may be used by EAS Participants that use remote

control. If manual operation is used, an EAS decoder must be located at the remote control location and it must directly monitor the signals of the two assigned EAS sources. If direct monitoring of the assigned EAS sources is not possible at the remote location, automatic operation is required. If automatic operation is used, the remote control location may be used to override the transmission of an EAS alert. EAS Participants may change back and forth between automatic and manual operation.

(p) The standard required in this section is incorporated by reference into this section with the approval of the Director of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in this section, the Federal Communications Commission must publish notice of change in the FEDERAL REG-ISTER and the material must be available to the public. All approved material is available for inspection at the Federal Communications Commission, 445 12th Street, SW., Washington, DC (Reference Information Center) and is available from the source indicated below. It is also available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030 or to http://www.archives.gov/ go federal_register/

code__of__federal__regulations/
ibr locations.html.

- (1) The following standard is available from the EAS-CAP Industry Group (ECIG), 21010 Southbank Street, #365, Sterling, VA, 20165, go to http://www.eas-cap.org.
- (i) "ECIG Recommendations for a CAP EAS Implementation Guide, Version 1.0" (May 17, 2010).

(ii) [Reserved]

[70 FR 71035, Nov. 25, 2005, as amended at 71 FR 76220, Dec. 20, 2006; 72 FR 62135, Nov. 2, 2007; 71 FR 76220, Dec. 20, 2006; 72 FR 62135, Nov. 2, 2007; 77 FR 16704, Mar. 22, 2012; 80 FR 37175, June 30, 2015]

§11.52 EAS code and Attention Signal Monitoring requirements.

(a) EAS Participants must be capable of receiving the Attention Signal required by §11.31(a)(2) and emergency

messages of other broadcast stations during their hours of operation. EAS Participants must install and operate during their hours of operation, equipment that is capable of receiving and decoding, either automatically or manually, the EAS header codes, emergency messages and EOM code, and which complies with the requirements in \$11.56.

NOTE TO PARAGRAPH (a): The two-tone Attention Signal will not be used to actuate two-tone decoders but will be used as an aural alert signal.

- (b) If manual interrupt is used as authorized in §11.51(m)(2), decoders must be located so that operators at their normal duty stations can be alerted immediately when EAS messages are received.
- (c) EAS Participants that are coowned and co-located with a combined studio or control facility (such as an AM and FM licensed to the same entity and at the same location or a cable headend serving more than one system) may comply with the EAS monitoring requirements contained in this section for the combined station or system with one EAS Decoder. The requirements of §11.33 must be met by the combined facility.
- (d) EAS Participants must comply with the following monitoring requirements:
- (1) With respect to monitoring for EAS messages that are formatted in accordance with the EAS Protocol, EAS Participants must monitor two EAS sources. The monitoring assignments of each broadcast station and cable system and wireless cable system are specified in the State EAS Plan and FCC Mapbook. They are developed in accordance with FCC monitoring priorities.
- (2) With respect to monitoring EAS messages formatted in accordance with the specifications set forth in §11.56(a)(2), EAS Participants' EAS equipment must interface with the Federal Emergency Management Agency's Integrated Public Alert and Warning System (IPAWS) to enable (whether through "pull" interface technologies, such as Really Simple Syndication (RSS) and Atom Syndication Format (ATOM), or "push" interface technologies, such as instant mes-

- saging and email) the distribution of Common Alert Protocol (CAP)-formatted alert messages from the IPAWS system to EAS Participants' EAS equipment.
- (3) Monitoring specifications associated with the distribution of CAP-formatted alert messages by state alert message systems are described in the State EAS Plan, as set forth in \$11.21(a).
- (4) If the required EAS message sources cannot be received, alternate arrangements or a waiver may be obtained by written request to the Chief, Public Safety and Homeland Security Bureau. In an emergency, a waiver may be issued over the telephone with a follow up letter to confirm temporary or permanent reassignment.
- (5) The management of EAS Participants shall determine which header codes will automatically interrupt their programming for State and Local Area emergency situations affecting their audiences.
- (e) EAS Participants are required to interrupt normal programming either automatically or manually when they receive an EAS message in which the header code contains the Event codes for Emergency Action Notification (EAN), the National Periodic Test (NPT), or the Required Monthly Test (RMT) for their State or State/county location.
- (1) Automatic interrupt of programming is required when facilities are unattended. Automatic operation must provide a permanent record of the EAS message that contains at a minimum the following information: Originator, Event, Location and valid time period of the message.
- (2) Manual interrupt of programming and transmission of EAS messages may be used. EAS messages with the EAN Event code, or the NPT Event code in the case of a nationwide test of the EAS, must be transmitted immediately; Monthly EAS test messages must be transmitted within 60 minutes. All actions must be logged and recorded as specified in §§11.35(a) and 11.54(a)(3). Decoders must be programmed for the EAN Event header code and the RMT and RWT Event header codes (for required monthly and

weekly tests), with the appropriate accompanying State and State/county location codes.

[70 FR 71036, Nov. 25, 2005, as amended at 77 FR 16705, Mar. 22, 2012; 80 FR 37176, June 30, 2015]

§11.53 [Reserved]

§11.54 EAS operation during a National Level emergency.

- (a) Immediately upon receipt of an EAN message, or the NPT Event code in the case of a nationwide test of the EAS, EAS Participants must comply with the following requirements, as applicable:
- (1) Analog and digital broadcast stations may transmit their call letters and analog cable systems, digital cable systems and wireless cable systems may transmit the names of the communities they serve during an EAS activation. State and Local Area identifications must be given as provided in State and Local Area EAS Plans.
- (2) Analog and digital broadcast stations are exempt from complying with §§ 73.62 and 73.1560 of this chapter (operating power maintenance) while operating under this part.
- (3) The time of receipt of the EAN shall be entered by analog and digital broadcast stations in their logs (as specified in §§73.1820 and 73.1840 of this chapter), by analog and digital cable systems in their records (as specified in §76.1711 of this chapter), by subject wireless cable systems in their records (as specified in §21.304 of this chapter), and by all other EAS Participants in their records as specified in §11.35(a).
- (b) EAS Participants originating emergency communications under this section shall be considered to have conferred rebroadcast authority, as required by section 325(a) of the Communications Act of 1934, 47 U.S.C. 325(a), to other EAS Participants.
- (c) During a national level EAS emergency, EAS Participants may transmit in lieu of the EAS audio feed an audio feed of the President's voice message from an alternative source, such as a broadcast network audio feed.

[77 FR 16705, Mar. 22, 2012, as amended at 80 FR 37177, June 30, 2015]

§11.55 EAS operation during a State or Local Area emergency.

- (a) The EAS may be activated at the State and Local Area levels by EAS Participants at their discretion for day-to-day emergency situations posing a threat to life and property. Examples of natural emergencies which may warrant state EAS activation are: Tornadoes, floods, hurricanes, earthquakes, heavy snows, icing conditions, widespread fires, etc. Man-made emergencies warranting state EAS activation may include: Toxic gas leaks or liquid spills, widespread power failures, industrial explosions, and civil disorders.
- (1) DBS providers shall pass through all EAS messages aired on local television broadcast stations carried by DBS providers under the Commission's broadcast signal carriage rules to subscribers receiving those channels.
- (2) SDARS licensees and DBS providers may participate in EAS at the state and local level and make their systems capable of receiving and transmitting state and local level EAS messages on all channels. If an SDARS licensee or DBS provider is not capable of receiving and transmitting state and local EAS message on all channels, it must inform its subscribers, on its website and in writing on an annual basis, of which channels are and are not capable of supplying state and local messages.
- (b) EAS operations must be conducted as specified in State and Local Area EAS Plans. The plans must list all authorized entities participating in the State or Local Area EAS.
- (c) Immediately upon receipt of a State or Local Area EAS message that has been formatted in the EAS Protocol, EAS Participants participating in the State or Local Area EAS must do the following:
- (1) State Relay (SR) sources monitor the State Relay Network or follow the State EAS plan for instructions from the State Primary (SP) source.
- (2) Local Primary (LP) sources monitor the Local Area SR sources or follow the State EAS plan for instructions.
- (3) Participating National (PN) sources monitor the Local Area LP sources for instructions.

- (4) EAS Participants participating in the State or Local Area EAS must discontinue normal programming and follow the procedures in the State and Local Area Plans. Analog and digital television broadcast stations must transmit all EAS announcements visually and aurally as specified in §11.51(a) through (e) and 73.1250(h) of this chapter, as applicable; analog cable systems, digital cable systems, and wireless cable systems must transmit all EAS announcements visually and aurally as specified in §11.51(g) and (h); and DBS providers must transmit all EAS announcements visually and aurally as specified in §11.51(j). EAS Participants providing foreign language programming should transmit all EAS announcements in the same language as the primary language of the EAS Participant.
- (5) Upon completion of the State or Local Area EAS transmission procedures, resume normal programming until receipt of the cue from the SR or LP sources in your Local Area. At that time begin transmitting the common emergency message received from the above sources.
- (6) Resume normal operations upon conclusion of the message.
- (7) The times of the above EAS actions must be entered in the EAS Participants' records as specified in §§ 11.35(a) and 11.54(a)(3).
- (8) Use of the EAS codes or Attention Signal automatically grants rebroadcast authority as specified in §11.54(b).
- (d) Immediately upon receipt of a State or Local Area EAS message that has been formatted in the Common Alerting Protocol, EAS Participants must do the following:
- (1) EAS Participants participating in the State or Local Area EAS must follow the procedures for processing such messages in the State and Local Area Plans.
- (2) Analog and digital television broadcast stations must transmit all EAS announcements visually and aurally as specified in §11.51(a) through (e) and 73.1250(h) of this chapter, as applicable; analog cable systems, digital cable systems, and wireless cable systems must transmit all EAS announcements visually and aurally as specified in §11.51(g) and (h); and DBS providers

- must transmit all EAS announcements visually and aurally as specified in §11.51(j). EAS Participants providing foreign language programming should transmit all EAS announcements in the same language as the primary language of the EAS Participant.
- (3) Resume normal operations upon conclusion of the message.
- (4) The times of the above EAS actions must be entered in the EAS Participants' records as specified in §§ 11.35(a) and 11.54(a)(3).

[59 FR 67092, Dec. 28, 1994, as amended at 63 FR 29666, June 1, 1998; 65 FR 21658, Apr. 24, 2000; 67 FR 18511, Apr. 16, 2002; 70 FR 71037, Nov. 25, 2005; 71 FR 76220, Dec. 20, 2006; 72 FR 62135, Nov. 2, 2007; 77 FR 16706, Mar. 22, 2012]

§11.56 Obligation to process CAP-formatted EAS messages.

- (a) On or by June 30, 2012, EAS Participants must have deployed operational equipment that is capable of the following:
- (1) Acquiring EAS alert messages in accordance with the monitoring requirements in \$11.52(d)(2);
- (2) Converting EAS alert messages that have been formatted pursuant to the Organization for the Advancement of Structured Information Standards (OASIS) Common Alerting Protocol Version 1.2 (July 1, 2010), and Common Alerting Protocol, v. 1.2 USA Integrated Public Alert and Warning System Profile Version 1.0 (Oct. 13, 2009), into EAS alert messages that comply with the EAS Protocol, such that the Preamble and EAS Header Codes, audio Attention Signal, audio message, and Preamble and EAS End of Message (EOM) Codes of such messages are rendered equivalent to the EAS Protocol (set forth in §11.31), in accordance with the technical specifications governing such conversion process set forth in the EAS-CAP Industry Group's (ECIG) Recommendations for a CAP EAS Implementation Guide, Version 1.0 (May 17, 2010) (except that any and all specifications set forth therein related to gubernatorial "must carry" shall not be followed, and that EAS Participants may adhere to the specifications related to text-to-speech on a voluntary basis).

- (3) Processing such converted messages in accordance with the other sections of this part.
- (b) EAS Participants may comply with the requirements of this section by deploying an Intermediary Device. If an EAS Participant elects to meet the requirements of this section by deploying an Intermediary Device, it shall be required to construct visual messages from CAP-formatted EAS messages in accordance with §3.6 of the "ECIG Recommendations for a CAP EAS Implementation Guide, Version 1.0" (May 17, 2010), as set forth in §§11.51(d), (g)(3), (h)(3), and (j)(2) of this part, on or by June 30, 2015.
- (c) The standards required in this section are incorporated by reference into this section with the approval of the Director of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in this section, the Federal Communications Commission must publish notice of change in the FED-ERAL REGISTER and the material must be available to the public. All approved material is available for inspection at the Federal Communications Commission, 445 12th Street SW., Washington, DC (Reference Information Center) and is available from the sources indicated below. It is also available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030 or http://www.archives.gov/ 90 to federal register/

code_of_federal_regulations/ibr_locations.html.

- (1) The following standard is available from the EAS-CAP Industry Group (ECIG), 21010 Southbank Street, #365, Sterling, VA 20165, or go to http://www.eas-cap.org.
- (i) "ECIG Recommendations for a CAP EAS Implementation Guide, Version 1.0" (May 17, 2010).
 - (ii) [Reserved]
- (2) The following standards are available from Organization for the Advancement of Structured Information Standards (OASIS), 25 Corporate Drive, Suite 103, Burlington, MA 01803–4238, call 781–425–5073, or go to http://www.oasis-open.org.

- (i) "Common Alerting Protocol Version 1.2" (July 1, 2010).
- (ii) "Common Alerting Protocol, v. 1.2 USA Integrated Public Alert and Warning System Profile Version 1.0" (Oct. 13, 2009).

[77 FR 16706, Mar. 22, 2012, as amended at 77 FR 26703, May 7, 2012]

Subpart E—Tests

§11.61 Tests of EAS procedures.

- (a) EAS Participants shall conduct tests at regular intervals, as specified in paragraphs (a)(1) and (a)(2) of this section. Additional tests may be performed anytime. EAS activations and special tests may be performed in lieu of required tests as specified in paragraph (a)(4) of this section.
- (1) Required Monthly Tests of the EAS header codes, Attention Signal, Test Script and EOM code.
- (i) Tests in odd numbered months shall occur between 8:30 a.m. and local sunset. Tests in even numbered months shall occur between local sunset and 8:30 a.m. They will originate from Local or State Primary sources. The time and script content will be developed by State Emergency Communications Committees in cooperation with affected EAS Participants. Script content may be in the primary language of the EAS Participant. These monthly tests must be transmitted within 60 minutes of receipt by EAS Participants in an EAS Local Area or State. Analog and digital class D non-commercial educational FM, analog and digital LPFM stations, and analog and digital LPTV stations are required to transmit only the test script.
- (ii) Effective May 31, 2007, DBS providers must comply with this section by monitoring a state or local primary source to participate in testing. Tests should be performed on 10% of all channels monthly (excluding local-intolocal channels for which the monthly transmission tests are passed through by the DBS provider), with channels tested varying from month to month, so that over the course of a given year, 100% of all channels are tested.
- (2) Required Weekly Tests:
- (i) EAS Header Codes and EOM Codes:

- (A) Analog and digital AM, FM, and TV broadcast stations must conduct tests of the EAS header and EOM codes at least once a week at random days and times. Effective December 31, 2006, DAB stations must conduct these tests on all audio streams. Effective December 31, 2006, DTV stations must conduct these tests on all program streams.
- (B) Analog cable systems and digital cable systems with 5,000 or more subscribers per headend and wireless cable systems with 5,000 or more subscribers must conduct tests of the EAS Header and EOM Codes at least once a week at random days and times on all programmed channels.
- (C) Analog cable systems and digital cable systems serving fewer than 5,000 subscribers per headend and wireless cable systems with fewer than 5,000 subscribers must conduct tests of the EAS Header and EOM Codes at least once a week at random days and times on at least one programmed channel.
- (D) SDARS providers must conduct tests of the EAS Header and EOM codes at least once a week at random days and times on all channels.
- (ii) DBS providers, analog and digital class D non-commercial educational FM stations, analog and digital LPFM stations, and analog and digital LPTV stations are not required to transmit this test but must log receipt, as specified in §11.35(a) and 11.54(a)(3).
- (iii) The EAS weekly test is not required during the week that a monthly test is conducted.
- (iv) EAS Participants are not required to transmit a video message when transmitting the required weekly test.
- (3) National tests. (i) All EAS Participants shall participate in national tests as scheduled by the Commission in consultation with the Federal Emergency Management Agency (FEMA). Such tests will consist of the delivery by FEMA to PEP/NP stations of a coded EAS message, including EAS header codes, Attention Signal, Test Script, and EOM code. All other EAS Participants will then be required to relay that EAS message. The coded message shall utilize EAS test codes as designated by the Commission's rules.
- (ii) A national test shall replace the required weekly and monthly tests for

- all EAS Participants, as set forth in paragraphs (a)(1) and (a)(2) of this section, in the week and month in which it occurs.
- (iii) Notice shall be provided to EAS Participants by the Commission at least two months prior to the conduct of any such national test.
- (iv) Test results as required by the Commission shall be logged by all EAS Participants into the EAS Test Reporting System (ETRS) as determined by the Commission's Public Safety and Homeland Security Bureau, subject to the following requirements.
- (A) EAS Participants shall provide the identifying information required by the ETRS initially no later than sixty days after the publication in the FED-ERAL REGISTER of a notice announcing the approval by the Office of Management and Budget of the modified information collection requirements under the Paperwork Reduction Act of 1995 and an effective date of the rule amendment, or within sixty days of the launch of the ETRS, whichever is later, and shall renew this identifying information on a yearly basis or as required by any revision of the EAS Participant's State EAS Plan filed pursuant to § 11.21.
- (B) "Day of test" data shall be filed in the ETRS within 24 hours of any nationwide test or as otherwise required by the Public Safety and Homeland Security Bureau.
- (C) Detailed post-test data shall be filed in the ETRS within forty five (45) days following any nationwide test.
- (4) EAS activations and special tests. The EAS may be activated for emergencies or special tests at the State or Local Area level by an EAS Participant instead of the monthly or weekly tests required by this section. To substitute for a monthly test, activation must include transmission of the EAS header codes, Attention Signal, emergency message and EOM code and comply with the visual message requirements in §11.51. To substitute for the weekly test of the EAS header codes and EOM codes in paragraph (a)(2)(i) of this section, activation must include transmission of the EAS header and EOM codes. Analog and digital television broadcast stations, analog cable systems, digital cable systems, wireless

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cable systems, and DBS providers shall comply with the aural and visual message requirements in §11.51. Special EAS tests at the State and Local Area levels may be conducted on daily basis following procedures in State and Local Area EAS plans.

(b) Entries shall be made in EAS Participant records, as specified in §11.35(a) and 11.54(a)(3).

[70 FR 71038, Nov. 25, 2005, as amended at 76 FR 12604, Mar. 8, 2011; 77 FR 16707, Mar. 22, 2012; 80 FR 37177, June 30, 2015]

EFFECTIVE DATE NOTE: At 80 FR 37177, June 30, 2015, §11.61 was amended by revising paragraph (a)(3)(iv). This paragraph contains information collection and recordkeeping requirements and will not become effective until approval has been given by the Office of Management and Budget.

PART 12—RESILIENCY, REDUN-DANCY AND RELIABILITY OF COMMUNICATIONS

Sec.

- 12.1 Purpose.
- 12.3 911 and E911 analyses and reports.
- 12.4 Reliability of covered 911 service providers

AUTHORITY: Sections 1, 4(i), 4(j), 4(o), 5(c), 218, 219, 301, 303(g), 303(j), 303(r), 332, 403, 621(b)(3), and 621(d) of the Communications Act of 1934, as amended, 47 U.S.C. 151, 154(i), 154(j), 154(o), 155(c), 218, 219, 301, 303(g), 303(j), 303(r), 332, 403, 621(b)(3), and 621(d), unless otherwise noted.

Source: 72 FR 37673, July 11, 2007, unless otherwise noted.

§12.1 Purpose.

The rules in this part include requirements that will help ensure the resiliency, redundancy and reliability of communications systems, particularly 911 and E911 networks and/or systems.

§12.3 911 and E911 analyses and reports.

The following entities must analyze their 911 and E911 networks and/or systems and provide a detailed report to the Commission on the redundancy, resiliency, and reliability of those networks and/or systems: Local exchange carriers (LECs), including incumbent LECs (ILECS) and competitive LECs (CLECs); commercial mobile radio

service providers required to comply with the wireless 911 rules set forth in \$20.18 of this chapter; and interconnected Voice over Internet Protocol (VoIP) service providers. LECs that meet the definition of a Class B company set forth in \$32.11(b)(2) of this chapter, non-nationwide commercial mobile radio service providers with no more than 500,000 subscribers at the end of 2001, and interconnected VoIP service providers with annual revenues below the revenue threshold established pursuant to \$32.11 of this chapter are exempt from this rule.

- (a) The Public Safety and Homeland Security Bureau (PSHSB) has the delegated authority to implement and activate a process through which these reports will be submitted, including the authority to establish the specific data that will be required. Where relevant, these reports should include descriptions of the steps the service providers intend to take to ensure diversity and dependability in their 911 and E911 networks and/or systems, including any plans they have to migrate those networks and/or systems to a next generation Internet Protocol-based E911 platform.
- (b) These reports are due 120 days from the date that the Commission or its staff announces activation of the 911 network and system reporting process.
- (c) Reports filed under this Part will be presumed to be confidential. These reports will be shared with The National Emergency Number Association, The Association of Public Safety Communications Officials, and The National Association of State 9-1-1 Administrators only pursuant to a protective order. PSHSB has the delegated authority to issue such protective orders. All other access to these reports must be sought pursuant to procedures set forth in 47 CFR 0.461. Notice of any requests for inspection of these reports will be provided to the filers of the reports pursuant to 47 CFR 0.461(d)(3).

[72 FR 37673, July 11, 2007]

§12.4 Reliability of covered 911 service providers.

(a) *Definitions*. Terms in this section shall have the following meanings: