

Subpart E—Equipment Requirements

§ 10.500 General requirements.

CMAS mobile device functionality is dependent on the capabilities of a Participating CMS Provider's delivery technologies. Mobile devices are required to perform the following functions:

- (a) Authentication of interactions with CMS Provider infrastructure.
- (b) Monitoring for Alert Messages.
- (c) Maintaining subscriber alert opt-out selections, if any.
- (d) Maintaining subscriber alert language preferences, if any.
- (e) Extraction of alert content in English or the subscriber's preferred language, if applicable.
- (f) Presentation of alert content to the device, consistent with subscriber opt-out selections. Presidential Alerts must always be presented.
- (g) Detection and suppression of presentation of duplicate alerts.

§ 10.510 Call preemption prohibition.

Devices marketed for public use under part 10 must not enable an Alert Message to preempt an active voice or data session.

§ 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

Sec.

- 11.1 Purpose.
- 11.2 Definitions.
 - 11.11 The Emergency Alert System (EAS).
 - 11.12 Two-tone Attention Signal encoder and decoder.
 - 11.13 Emergency Action Notification (EAN) and Emergency Action Termination (EAT).
 - 11.14 Primary Entry Point (PEP) System.
 - 11.15 EAS Operating Handbook.
 - 11.16 National Control Point Procedures.
 - 11.18 EAS Designations.
 - 11.19 EAS Non-participating National Authorization Letter.
 - 11.20 State Relay Network.
 - 11.21 State and Local Area plans and FCC Mapbook.

Subpart B—Equipment Requirements

- 11.31 EAS protocol.
- 11.32 EAS Encoder.
- 11.33 EAS Decoder.
- 11.34 Acceptability of the equipment.
- 11.35 Equipment operational readiness.