

## Federal Communications Commission

## § 10.530

transmit any Alert Message that is specified by a geocode, circle, or polygon to an area not larger than the provider's approximation of coverage for the Counties or County Equivalents with which that geocode, circle, or polygon intersects. If, however, the propagation area of a provider's transmission site exceeds a single County or County Equivalent, a Participating CMS Provider may transmit an Alert Message to an area not exceeding the propagation area.

### § 10.460 Retransmission frequency. [Reserved]

### § 10.470 Roaming.

When, pursuant to a roaming agreement (see §20.12 of this chapter), a subscriber receives services from a roamed-upon network of a Participating CMS Provider, the Participating CMS Provider must support CMAS alerts to the roaming subscriber to the extent the subscriber's mobile device is configured for and technically capable of receiving CMAS alerts.

## 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.