Federal Communications Commission

§ 10.320

Subpart C—System Architecture

§ 10.300 Alert aggregator. [Reserved]

§ 10.310 Federal alert gateway. [Reserved]

§ 10.320 Provider alert gateway requirements.

This section specifies the functions that each Participating Commercial Mobile Service provider is required to support and perform at its CMS provider gateways.

(a) General. The CMS provider gateway must provide secure, redundant, and reliable connections to receive Alert Messages from the Federal alert gateway. Each CMS provider gateway must be identified by a unique IP address or domain name.

(b) Authentication and validation. The CMS provider gateway must authenticate interactions with the Federal alert gateway, and validate Alert Message integrity and parameters. The CMS provider gateway must provide an error message immediately to the Federal alert gateway if a validation fails.

(c) Security. The CMS provider gateway must support standardized IP-based security mechanisms such as a firewall, and support the defined CMAS ‘‘C’’ interface and associated protocols between the Federal alert gateway and the CMS provider gateway.

(d) Geographic targeting. The CMS provider gateway must determine whether the provider has elected to transmit an Alert Message within a specified alert area and, if so, map the Alert Message to an associated set of transmission sites.

(e) Message management—(1) Formatting. The CMS provider gateway is not required to perform any formatting, reformatting, or translation of an Alert Message, except for transcoding a text, audio, video, or multimedia file into the format supported by mobile devices.

(2) Reception. The CMS provider gateway must support a mechanism to stop and start Alert Message deliveries from the Federal alert gateway to the CMS provider gateway.

(3) Prioritization. The CMS provider gateway must process an Alert Message on a first in-first out basis except for Presidential Alerts, which must be