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 processed before all non-Presidential alerts.

(4) Distribution. A Participating CMS provider must deploy one or more CMS provider gateways to support distribution of Alert Messages and to manage Alert Message traffic.

(5) Retransmission. The CMS provider gateway must manage and execute Alert Message retransmission, and support a mechanism to manage congestion within the CMS provider's infrastructure.

(f) *CMS Provider Profile.* The CMS provider gateway will provide profile information on the CMS provider for the Federal alert gateway to maintain at the Federal alert gateway. This profile information must be provided by an authorized CMS provider representative to the Federal alert gateway administrator. The profile information must include the data listed in Table 10.320(f) and must comply with the following procedures:

(1) The information must be provided 30 days in advance of the date when the CMS provider begins to transmit CMAS alerts.

(2) Updates of any CMS provider profiles must be provided in writing at least 30 days in advance of the effective change date.

TABLE 10.320(f)—CMSP PROFILE ON FEDERAL ALERT GATEWAY

Profile parameter	Parameter election	Description
CMSP Name	....	Unique identification of CMSP.
CMSP gateway Address	IP address or Domain Name. Alternate IP address	Optional and subject to implementation.
Geo-Location Filtering	<yes/no>	If "yes" the only CMAM issued in the listed states will be sent to the CMSP gateway. If "no", all CMAM will be sent to the CMSP gateway.
If yes, list of states	CMAC Geocode for state	List can be state name or abbreviated state name.

§ 10.330 Provider infrastructure requirements.

This section specifies the general functions that a Participating CMS Provider is required to perform within their infrastructure. Infrastructure functions are dependent upon the capabilities of the delivery technologies implemented by a Participating CMS Provider.

(a) Distribution of Alert Messages to mobile devices.

(b) Authentication of interactions with mobile devices.

(c) Reference Points D & E. Reference Point D is the interface between a CMS Provider gateway and its infrastructure. Reference Point E is the interface between a provider's infrastructure and mobile devices including air interfaces. Reference Points D and E protocols are defined and controlled by each Participating CMS Provider.

§ 10.340 Digital television transmission towers retransmission capability.

Licensees and permittees of noncommercial educational broadcast television stations (NCE) or public broadcast television stations (to the extent such stations fall within the scope of those terms as defined in section 397(6)