



## Supported Registration Reply Codes

The following section describes the registration reply codes supported by the system for the HA service.

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### HA Service Reply Codes

The following registration reply codes are supported by the system's HA service in accordance with the following Request For Comments (RFCs):

- RFC-2002, IPv4 Mobility, May 1995
- RFC-2344, Reverse Tunneling for Mobile IP, May 1998

**Table 1: Supported HA Service Registration Reply Codes**

Reply Code (Hex / Base 10)	Description	Note
80H / 128	Registration Denied - reason unspecified	Sent when internal errors are encountered when processing the Request packet.
81H / 129	Registration Denied - administratively prohibited	Sent when a newcall policy is set to reject calls or the subscriber is not permitted to use Mobile IP HA services.
82H / 130	Registration Denied - insufficient resources	Sent when no memory or session managers are available to process the session.
83H / 131	Registration Denied - mobile node failed authentication	Sent when the mobile node failed authentication.
84H / 132	Registration Denied - foreign agent failed authentication	Sent when an FA attempted to communicate with the HA service using an incorrect security parameter index (SPI).

Reply Code (Hex / Base 10)	Description	Note
85H / 133	Registration Denied - registration Identification mismatch	Sent when the ID sent by the mobile node in the RRQ is different from the expected value.
86H / 134	Registration Denied - poorly formed request	Sent when the registration request is poorly formed (i.e. missing an Authentication extension).
87H / 135	Registration Denied - too many simultaneous mobility bindings	Sent when the mobile node has exceeded the maximum number of mobile bindings that the HA service supports for a single subscriber.
88H / 136	Registration Denied - unknown home agent address	Sent when HA redirect policy is invoked.
89H / 137	Registration Denied - reverse tunneling unavailable	Sent when reverse tunneling is requested by the mobile node but it is not enabled on the system.
8AH / 138	Registration Denied - reverse tunneling mandatory	Sent when reverse tunneling is enabled on the system but is not supported by the mobile node.
8BH / 139	Registration Denied - reverse tunneling encapsulation style unavailable	Sent if the Encapsulating Delivery Style Extension sent by the mobile is not supported by the HA service.
8DH / 141	Registration Denied - unsupported Vendor-ID or unable to interpret Vendor-CVSE-Type.	Sent if the Vendor Identification is unsupported or the HA is unable to interpret the Vendor-CVSE-Type in the CVSE sent by the Foreign Agent to the Home Agent.
8EH / 142	Registration Denied - Requested UDP tunnel encapsulation unavailable	Sent by the HA if a UDP tunneling mode is not available.