

# Registering Self-generated IPv6 Addresses using DHCPv6

[draft-wkumari-dhc-addr-notification-06](#)

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# Changes since IETF 115: Message Renamed

Change the message name:

- From “ADDR-REG-NOTIFICATION” to “ADDR-REG-INFORM”
- Better term as it’s an INFORMational message from the client

# Changes since IETF 115: Server Acknowledgement

Adding an optional “Reply”:

*“The server MAY choose to acknowledge receipt of an ADDR-REG-INFORM message by sending a REPLY message back. The REPLY message only indicates that the ADDR-REG-INFORM message has been received. It MUST NOT be considered as any indication of the address validity.”*

*“If the acknowledgement is received, the client MUST stop retransmission”*

# Changes since IETF 115: Retransmit logic

Aligned retransmit logic with standard RFC8415 behaviour

*To reduce the effects of packet loss on registration, the client SHOULD retransmit the registration message. Retransmissions SHOULD follow the standard retransmission logic specified by section 15 of [RFC8415] with the following default parameters:*

- *IRT 1 sec*
- *MRC 3*

*The client SHOULD allow these parameters to be configured by the administrator.*

# Changes since IETF 115: “release” functionality

“Release” functionality:

- Sending a new ADDR-REG-INFORM message with preferred and valid lifetime set to zero.

## What we didn't do (comments not addressed):

Switches/router sending ADDR-REG-INFORM on client's behalf

- Seems overly complicated
  - The message should be sent from the new IP address
    - Would require routers/switches to spoof the address...

DHCP over TCP

- Also seems too complicated

# Next Steps

Adoption call