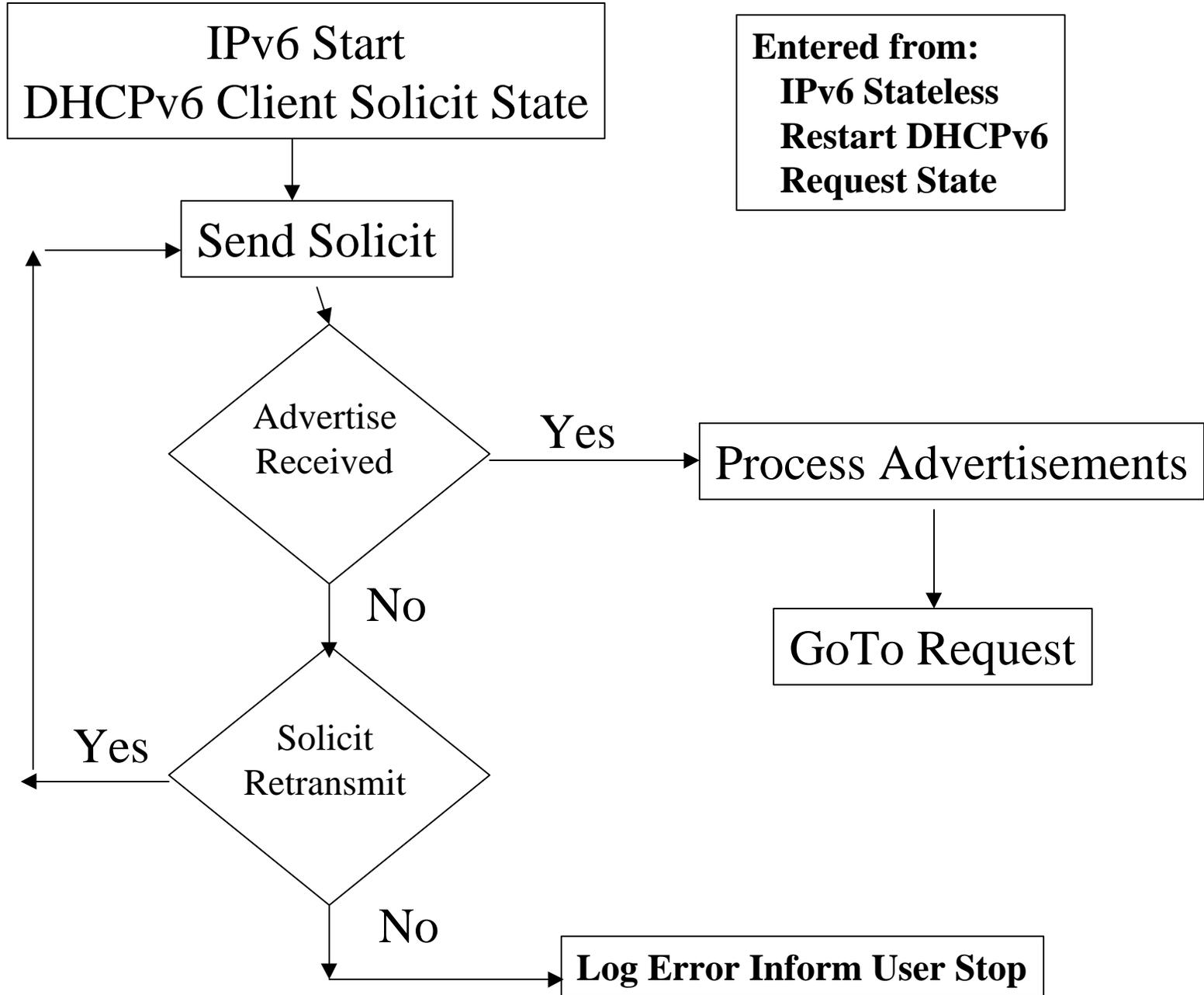


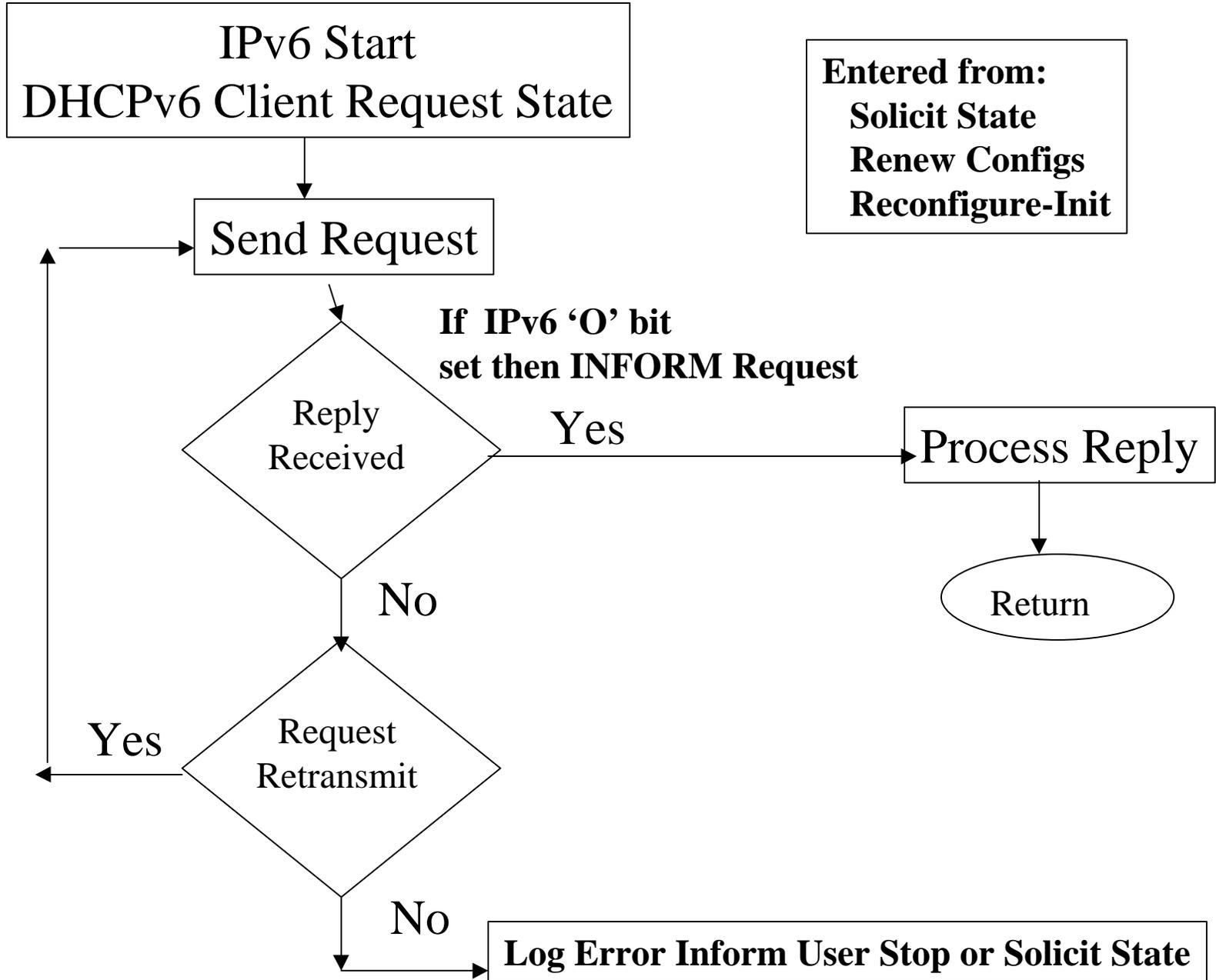
DHCPv6 States

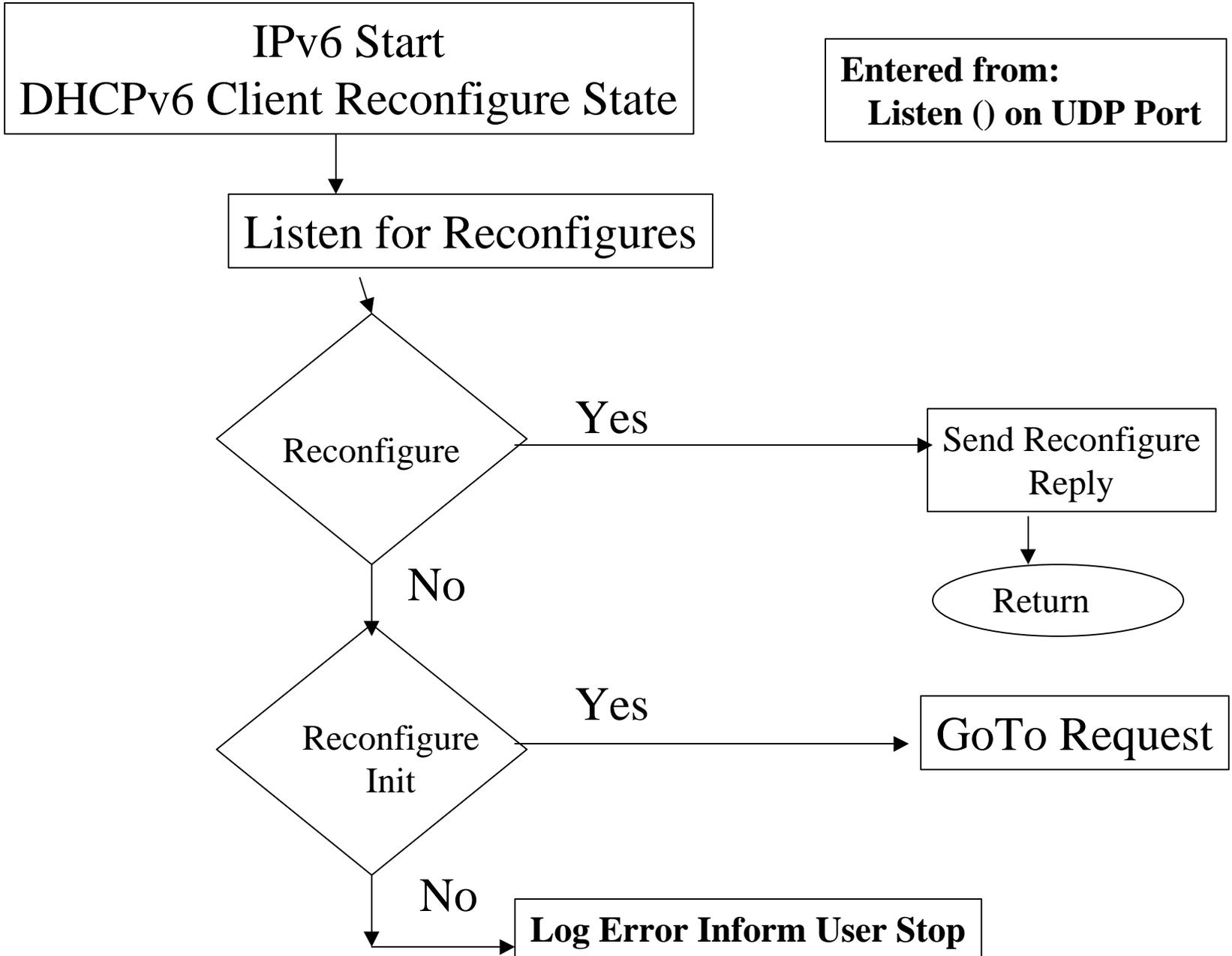
- **DHCPv6 Client State**
- **DHCPv6 Server State**

DHCPv6 Client States

- Solicit State - This is the state the client is in to begin discovering the DHCPv6 Server.
- Request State - This is the state the client is in to request configuration parameters.
- Reconfigure State - This is the state the client is in to listen for Server Reconfigure and Reconfigure-Init messages.
- IPv6 Address Timer State - This is the state the client is in to process the timers for the Addresses, and this is the only releasable resource at this time.

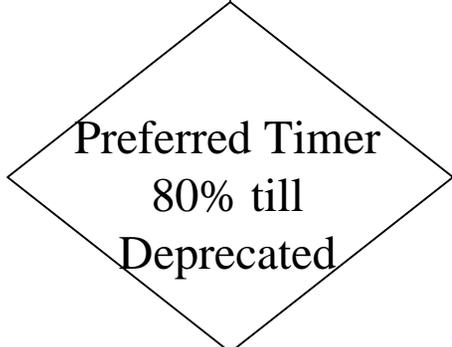




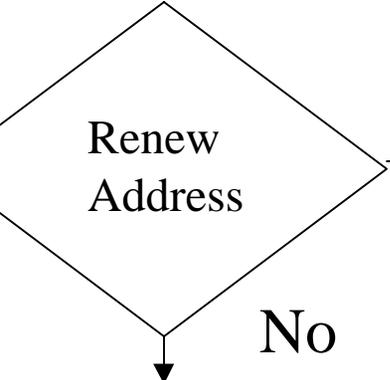


IPv6 Start
DHCPv6 Client IPv6 Address Timer State

Started after Reply
Processed for Address



Yes



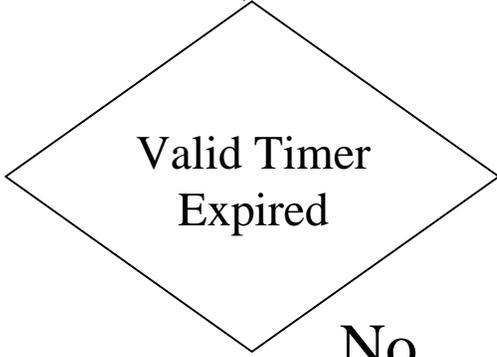
Yes

GoTo Request

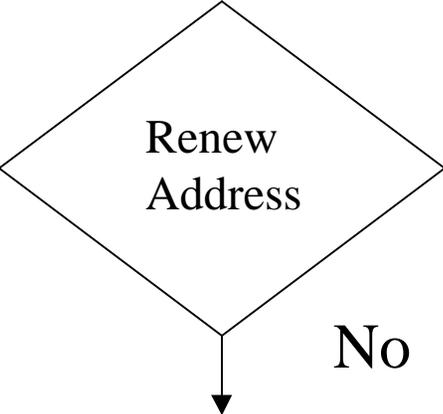
No



No



Yes



Yes

GoTo Request

No

Release Address; GoTo Request

No



DHCPv6 Server States

- Advertise State - Server responds to client solicit with Advertisement.
- Reply State - Server responds to Client Request with Reply.
- Release State - Server processes Release and responds with Reply.
- Reconfigure Reply State - Server processes Client Reconfigure Reply.
- Reconfigure State - Server sends Reconfigure and processes Client Reconfigure Reply.
- Reconfigure Init State - Server sends Reconfigure Init and processes Client Requests.

DHCPv6 Server Start
DHCPv6 Server Advertise State

Entered from:
Listen () on UDP Port

Listen for Client Solicit

Send Client Advertise Message

Return

DHCPv6 Server Start
DHCPv6 Server Reply State

Entered from:
Listen () on UDP Port

Listen for Client Requests

Trans-ID
Equal
Reconfigure
Init

Record Received Client
Request for Reconfigure
Init

Send Client Reply Message

Commit Client Resources

Return

DHCPv6 Server Start
DHCPv6 Server Release State

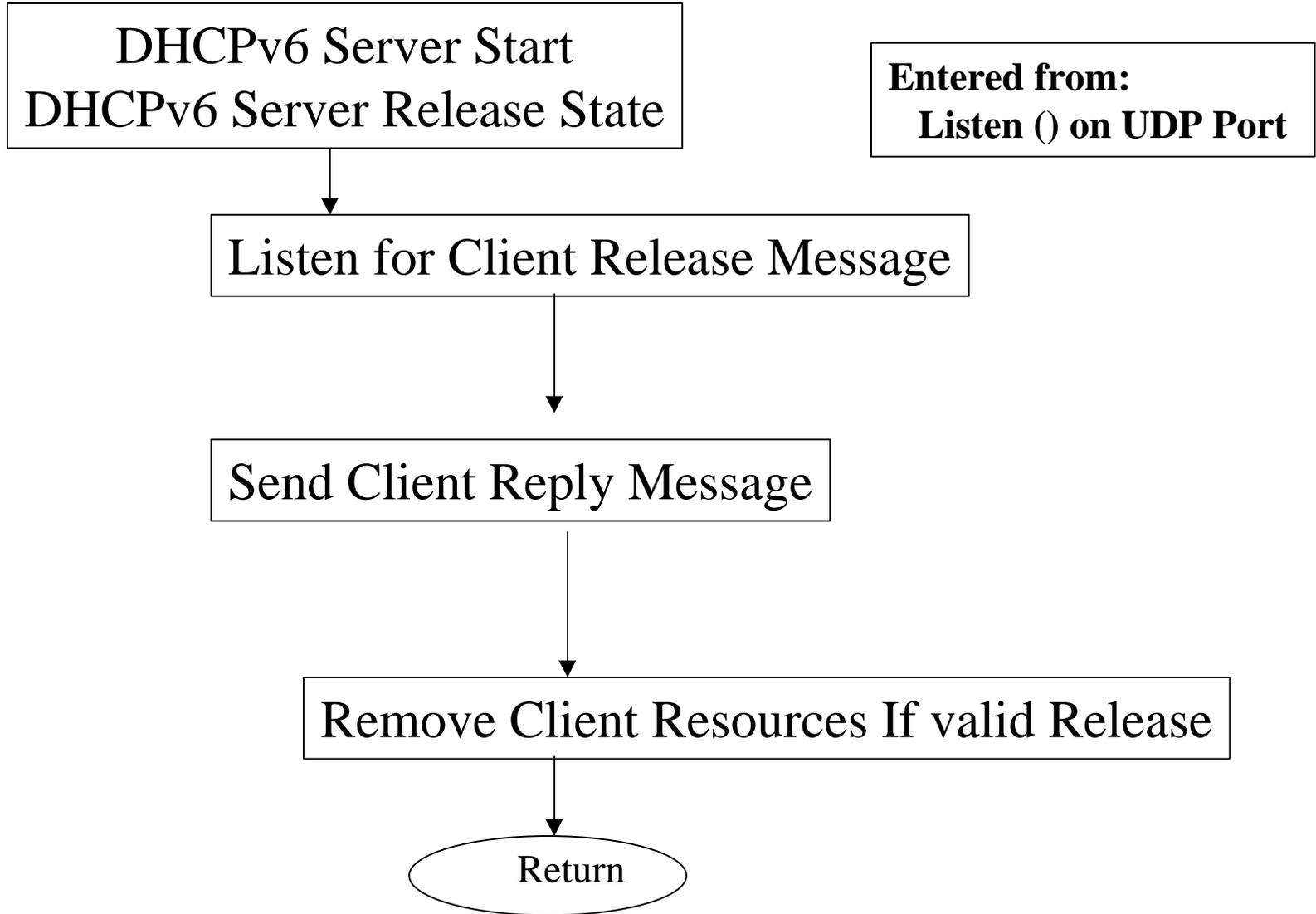
Entered from:
Listen () on UDP Port

Listen for Client Release Message

Send Client Reply Message

Remove Client Resources If valid Release

Return



DHCPv6 Server Start
DHCPv6 Server Reconfigure Reply State

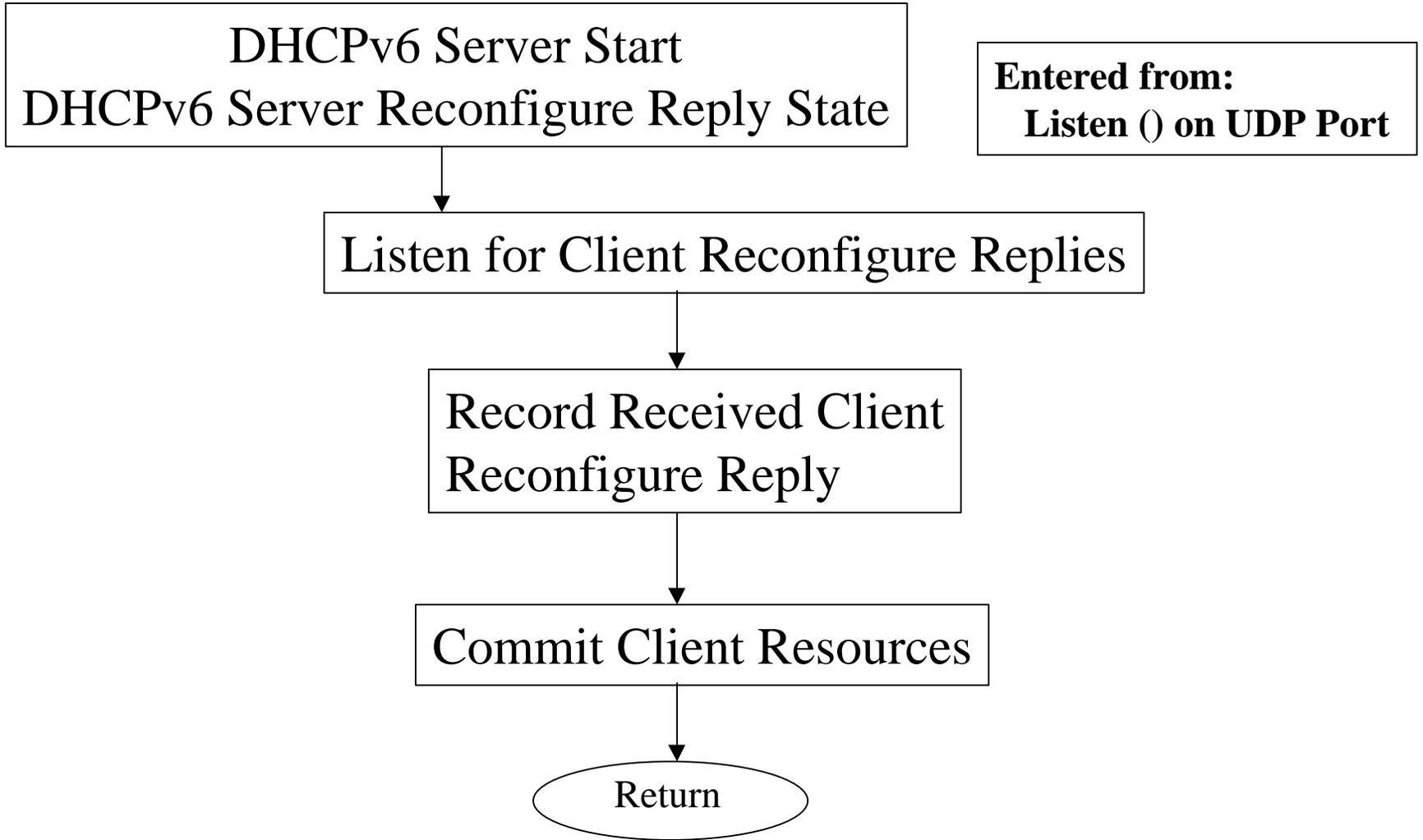
Entered from:
Listen () on UDP Port

Listen for Client Reconfigure Replies

Record Received Client
Reconfigure Reply

Commit Client Resources

Return



DHCPv6 Server Start
DHCPv6 Server Reconfigure State

Entered from:
Admin Command

