P802.1CQ Flowchart Update

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presentation to 802.1 TSN TG
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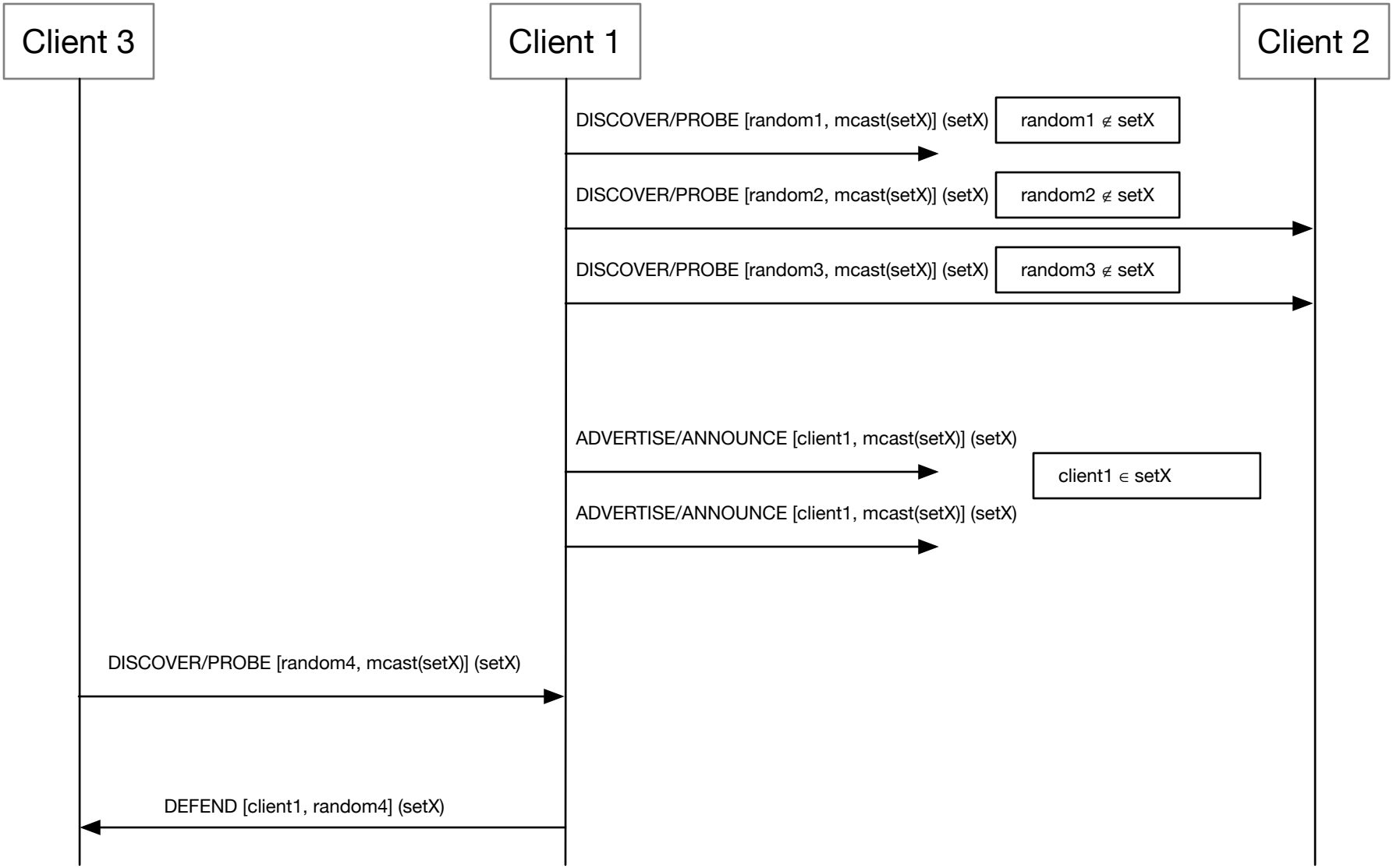
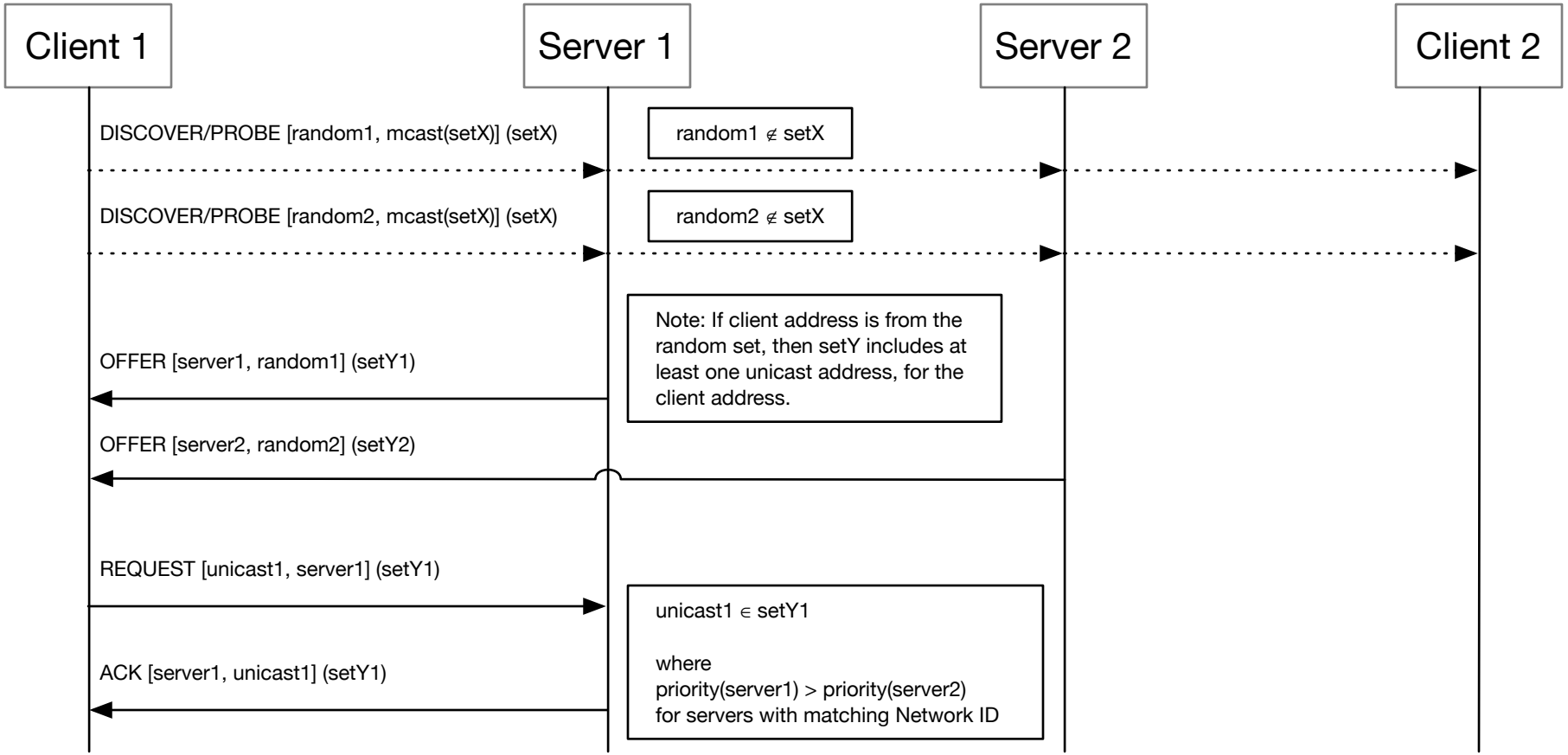
P802.1CQ Flowcharts

- P802.1CQ/D0.5 includes flowcharts for PALMA
  - illustrative, since details are in the state machines
- Prior comment resolution indicates that PALMA will be replaced by updated MAAP
- Functionality described in PALMA flowcharts needs to be updated to MAAP flowcharts
  - will guide the state machines
- New functionality needs to be added
  - mainly considering challenges of multiple servers that join and leave the network

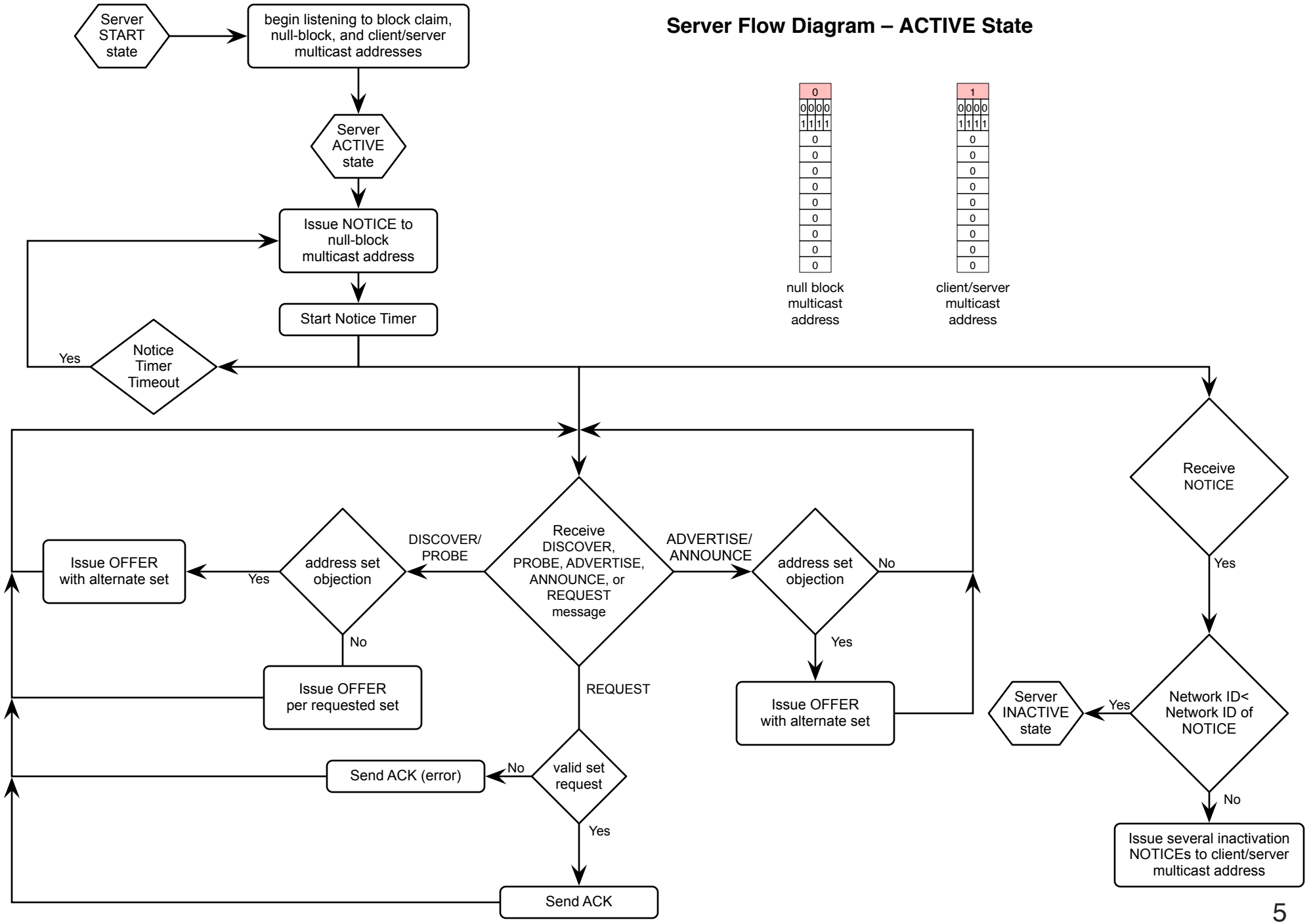
Message flows with self-assignment [updated]



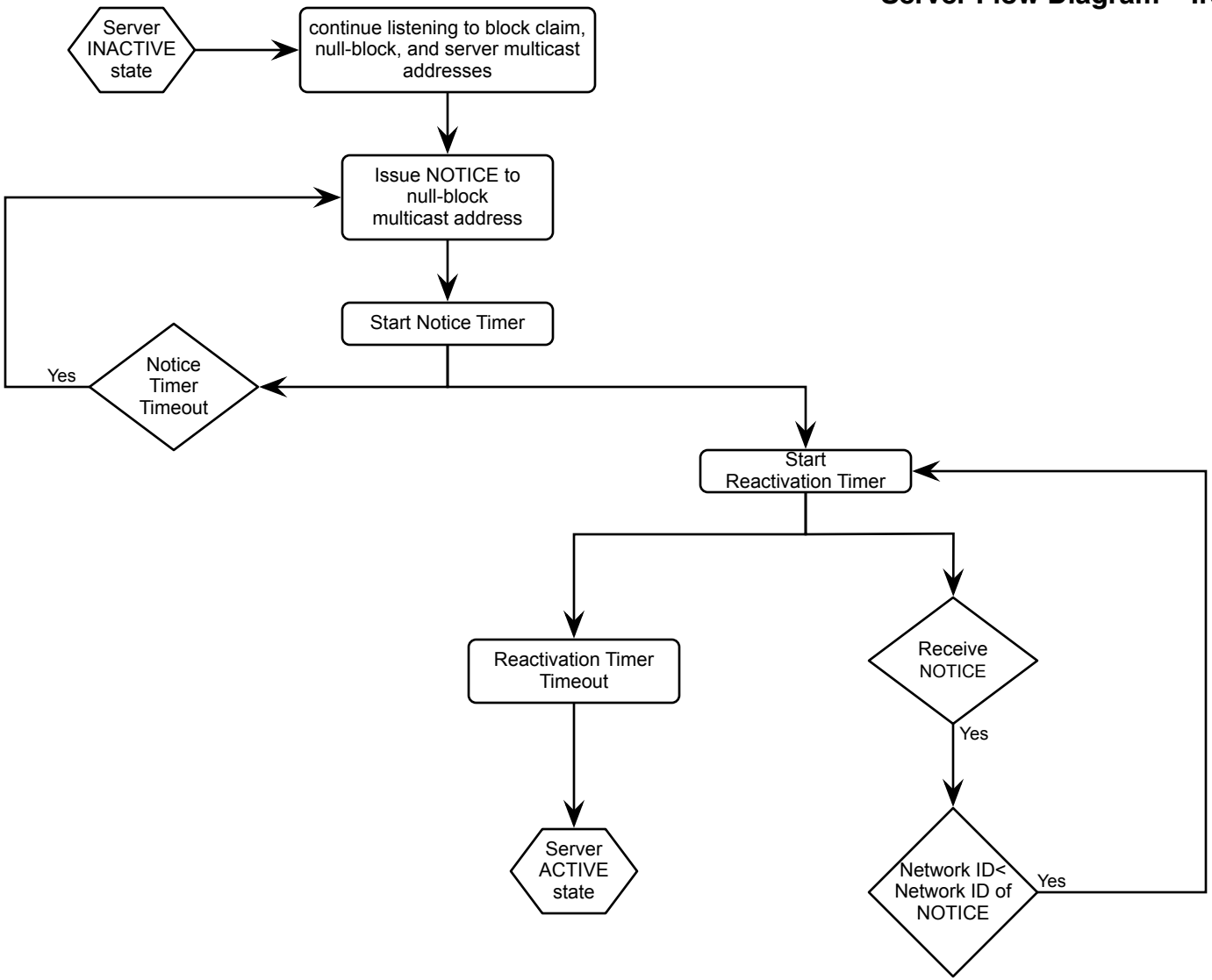
Message flows with server-based allocation



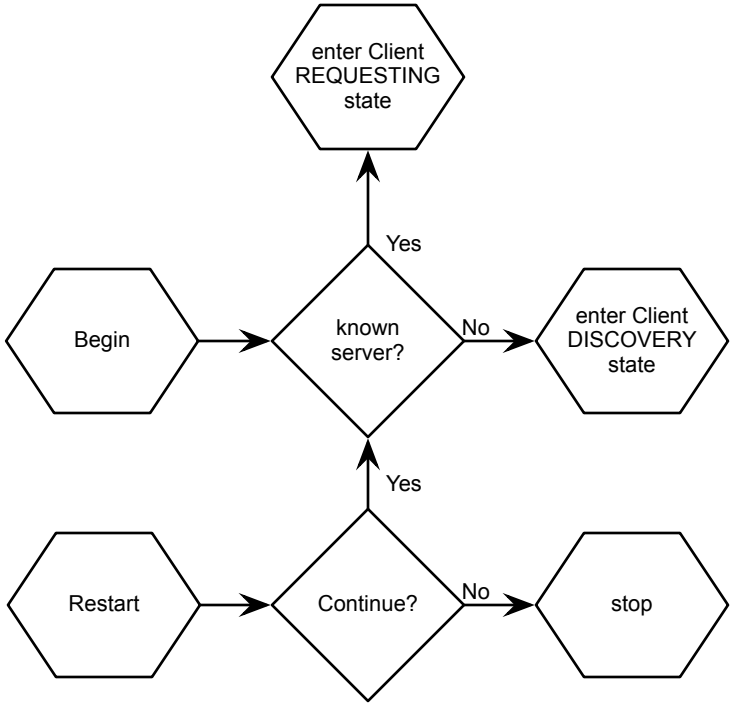
Server Flow Diagram – ACTIVE State



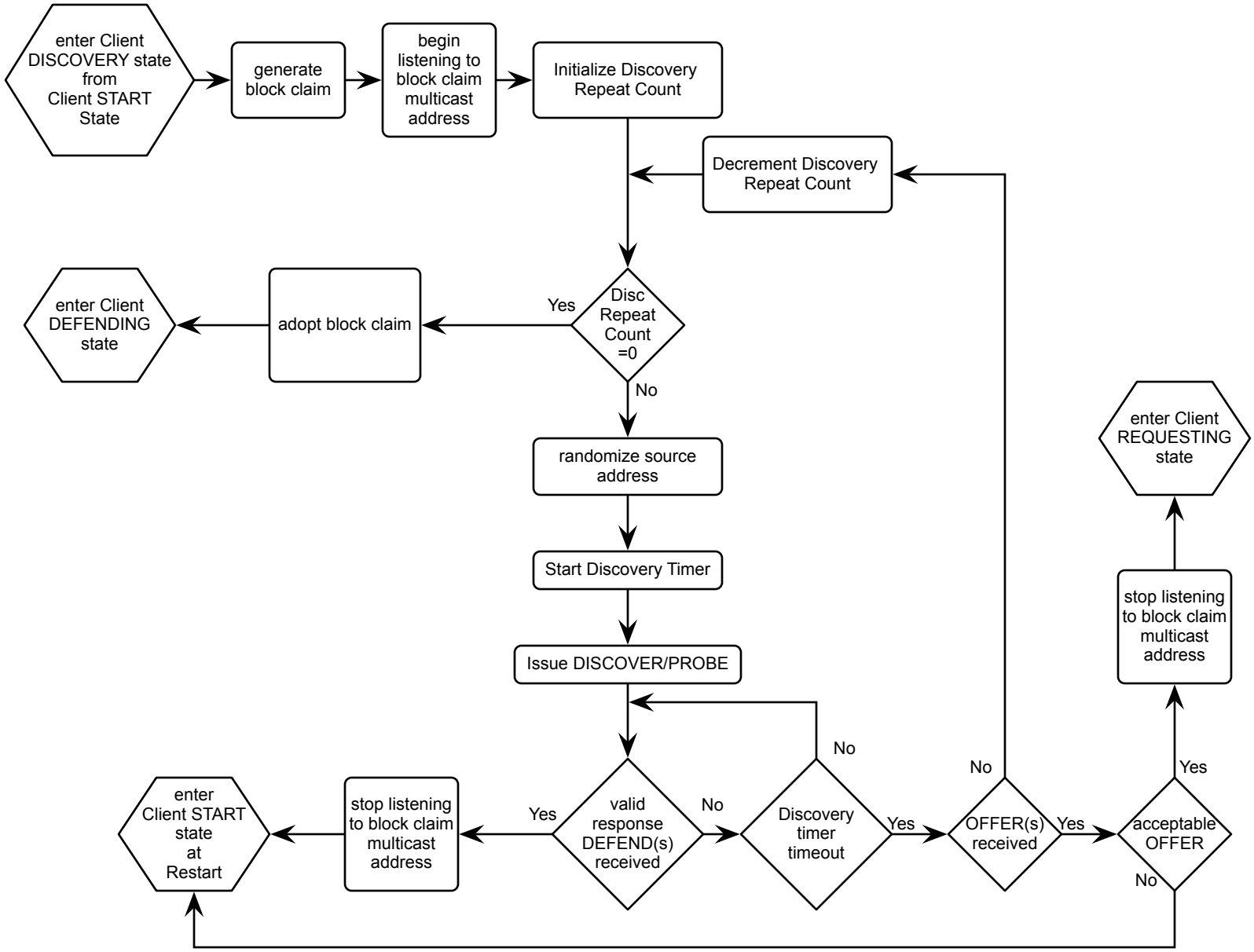
Server Flow Diagram – INACTIVE State



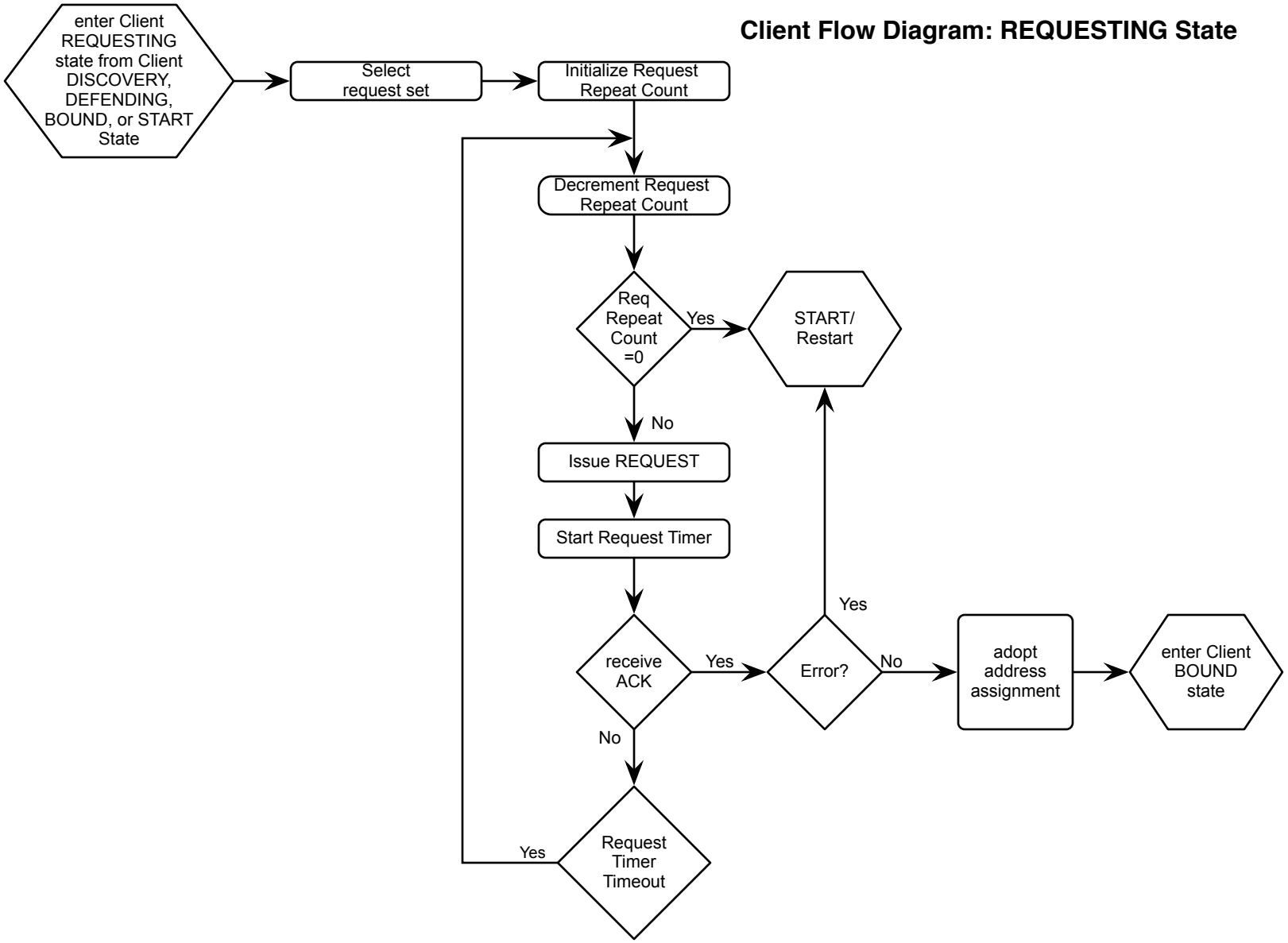
Client Flow Diagram: START State



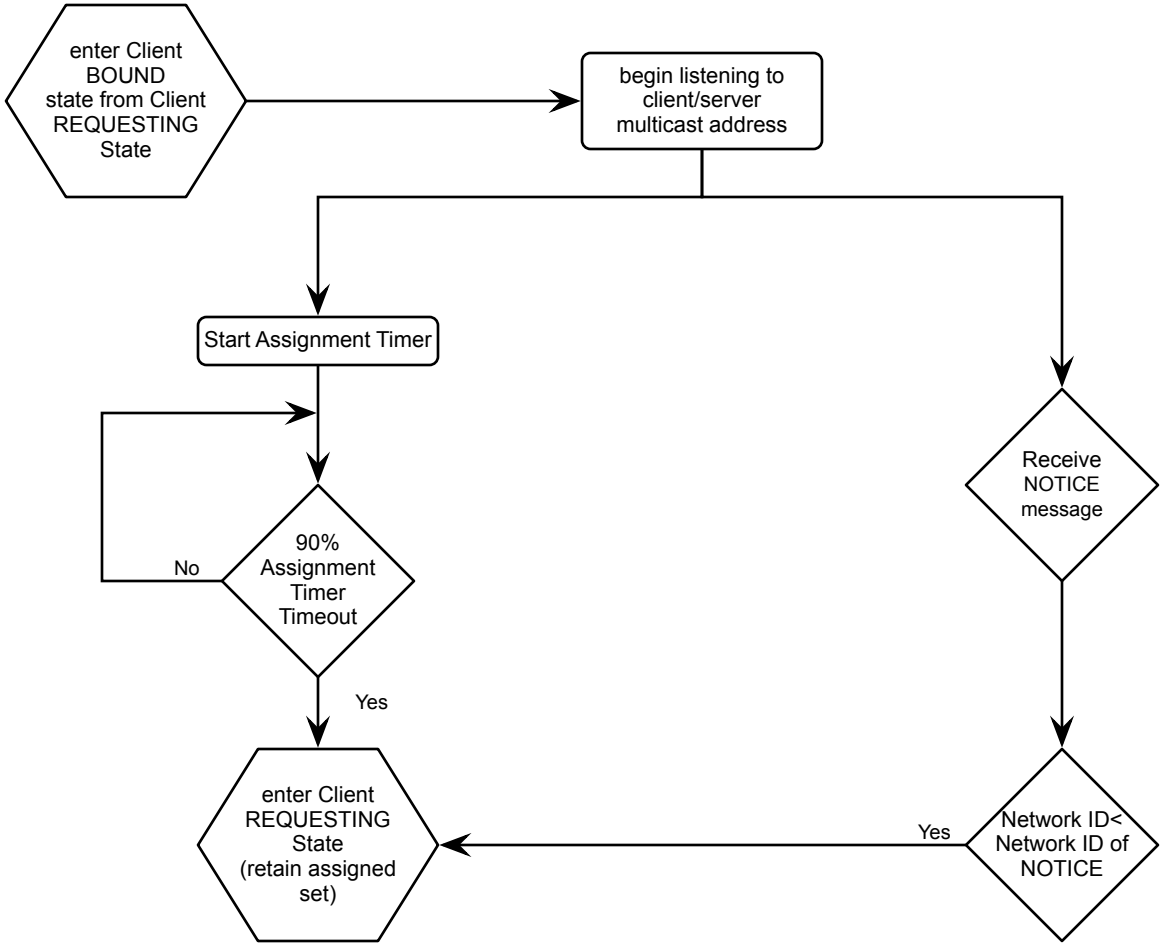
Client Flow Diagram: DISCOVERY State



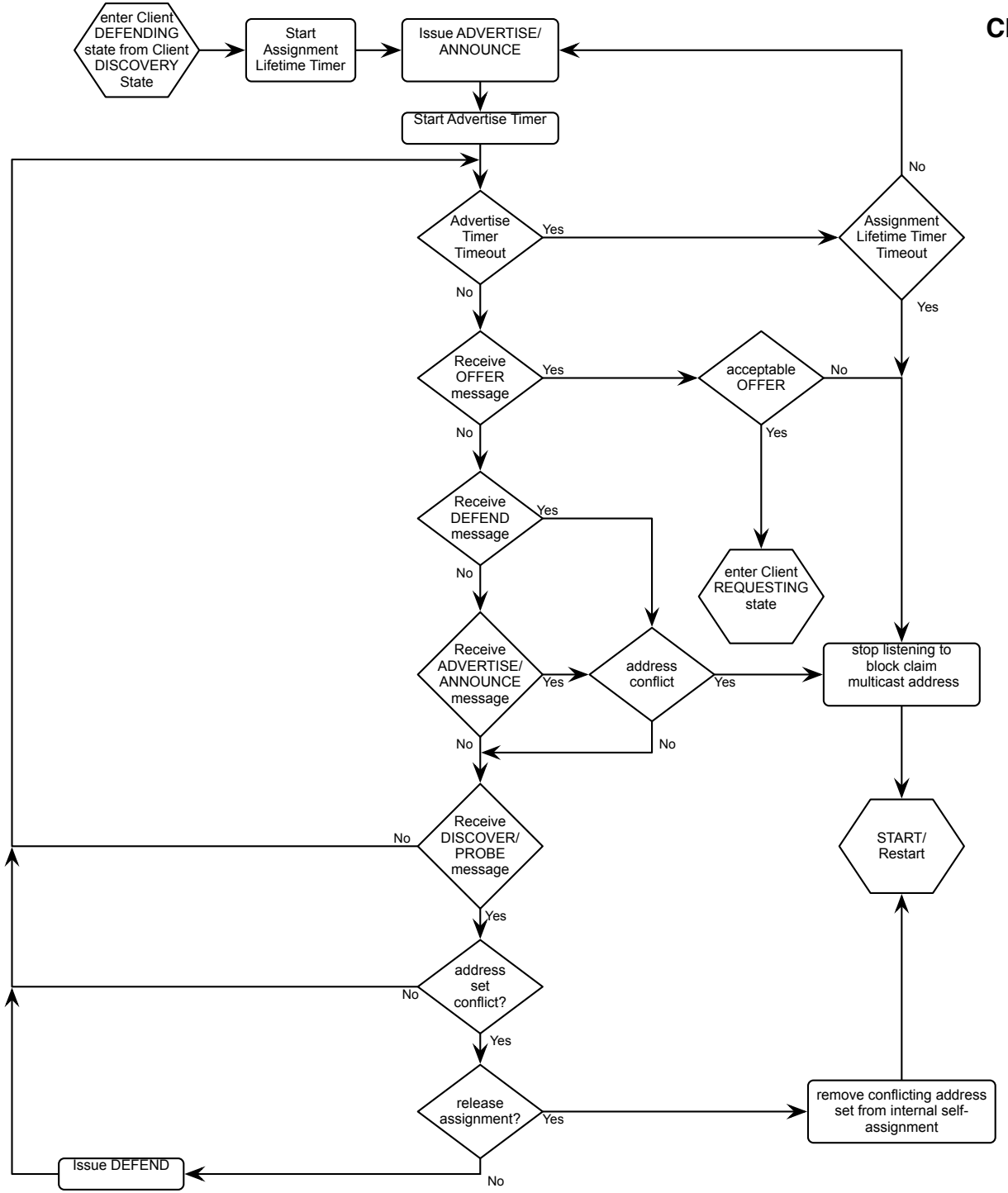
Client Flow Diagram: REQUESTING State



Client Flow Diagram: BOUND State



Client Flow Diagram: DEFENDING State



Proposed Comment Resolution

- CID 38
  - Revise, “Update draft in accordance with algorithms described in cq-marks-flowcharts-1120. Replace PALMA with upgraded version of MAAP, aligned with MAAP message formats. Specify PDU accordingly, with a common PDU structure among the message types. Structure messages so as to convey status of sender.”