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Subnetwork Connection States

The possible subnetwork connection states and transitions as a result of NMS requests to create, activate, create and activate, deactivate, delete and deactivate delete subnetwork connections are illustrated in the following state transition diagrams:

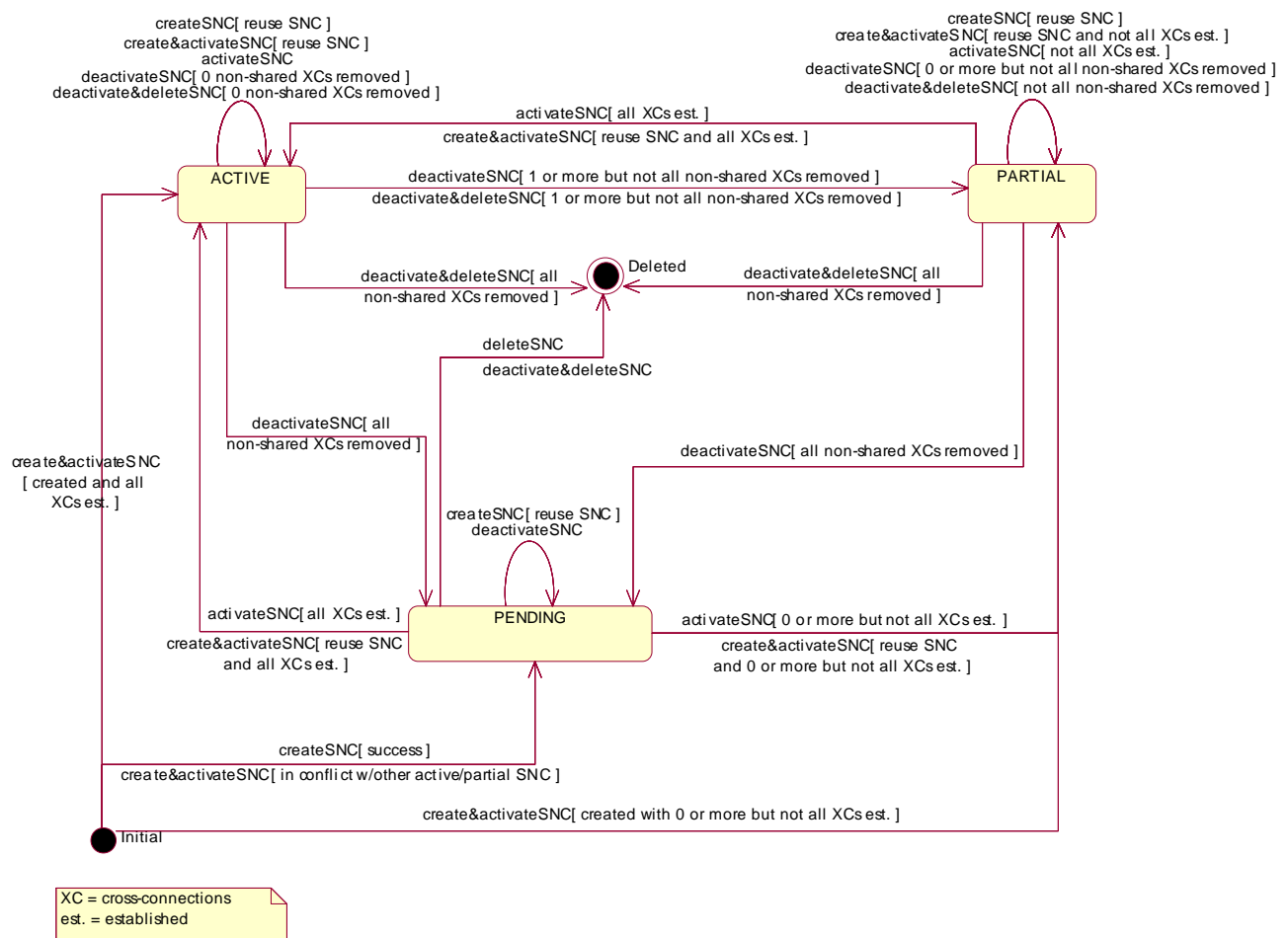
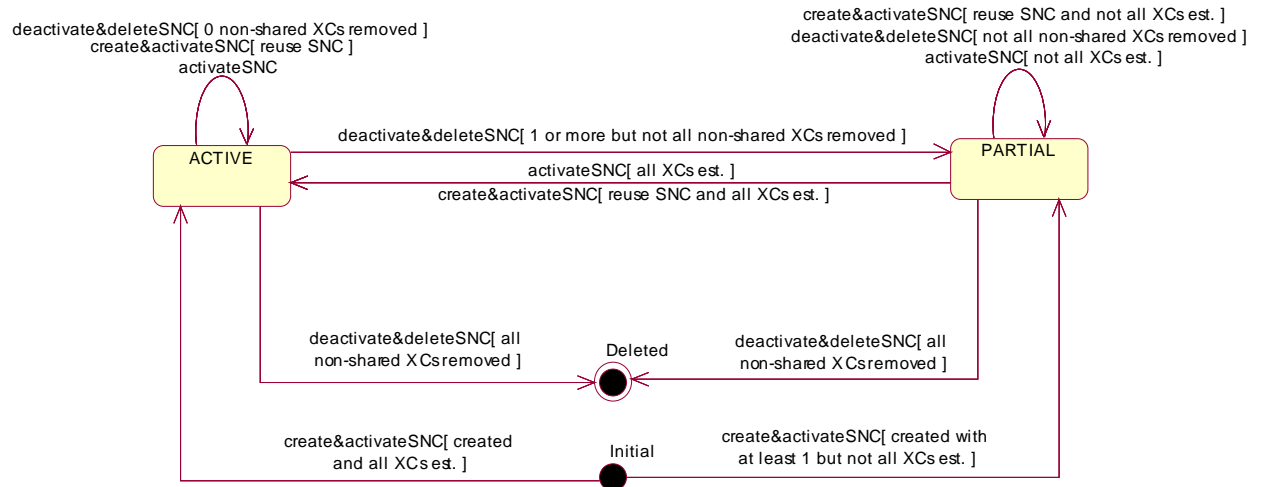


Figure 1: Statechart Diagram - SubnetworkConnection.sncState [Pending Supported]



The following methods on Subnetwork are not supported when an EMS does not support SNCState.PENDING:

- createSNC
- deactivateSNC
- deleteSNC

XC = cross-connections
est. = established

Figure 2: Statechart Diagram - SubnetworkConnection.sncState [Pending Not Supported]

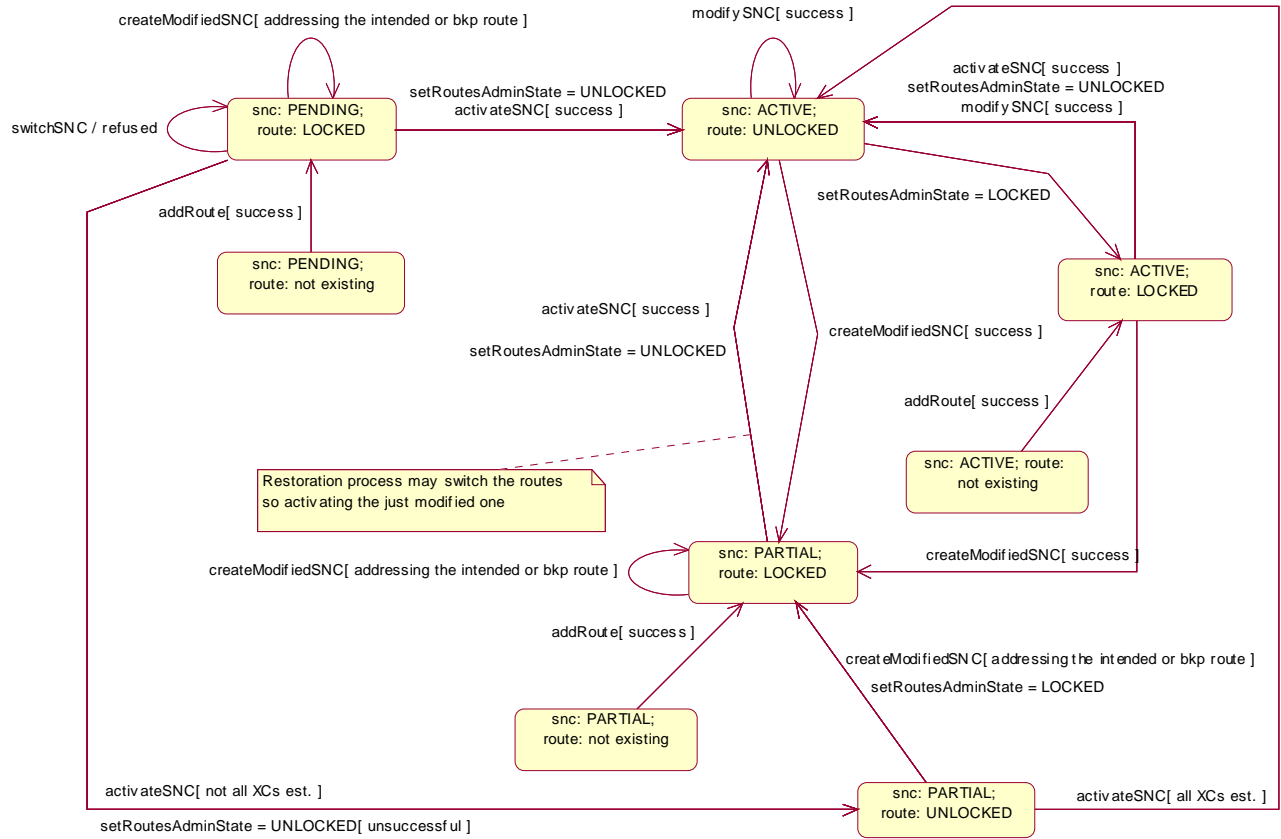


Figure 3:
Statechart Diagram - Modification of a SNC with multiple routes and SNC name preserved

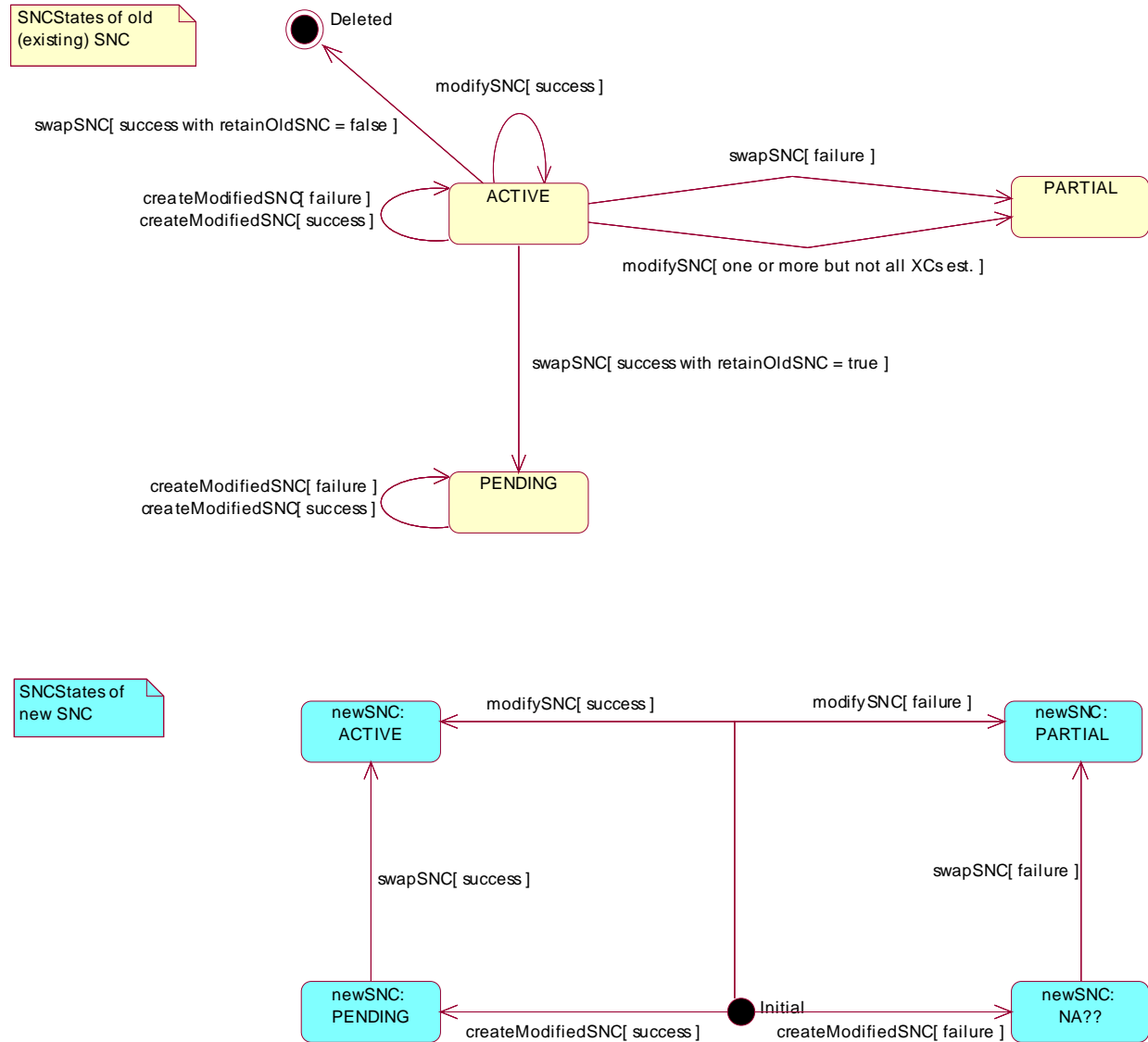


Figure 4: Statechart Diagram - Modification of a SNC with SNC name not preserved

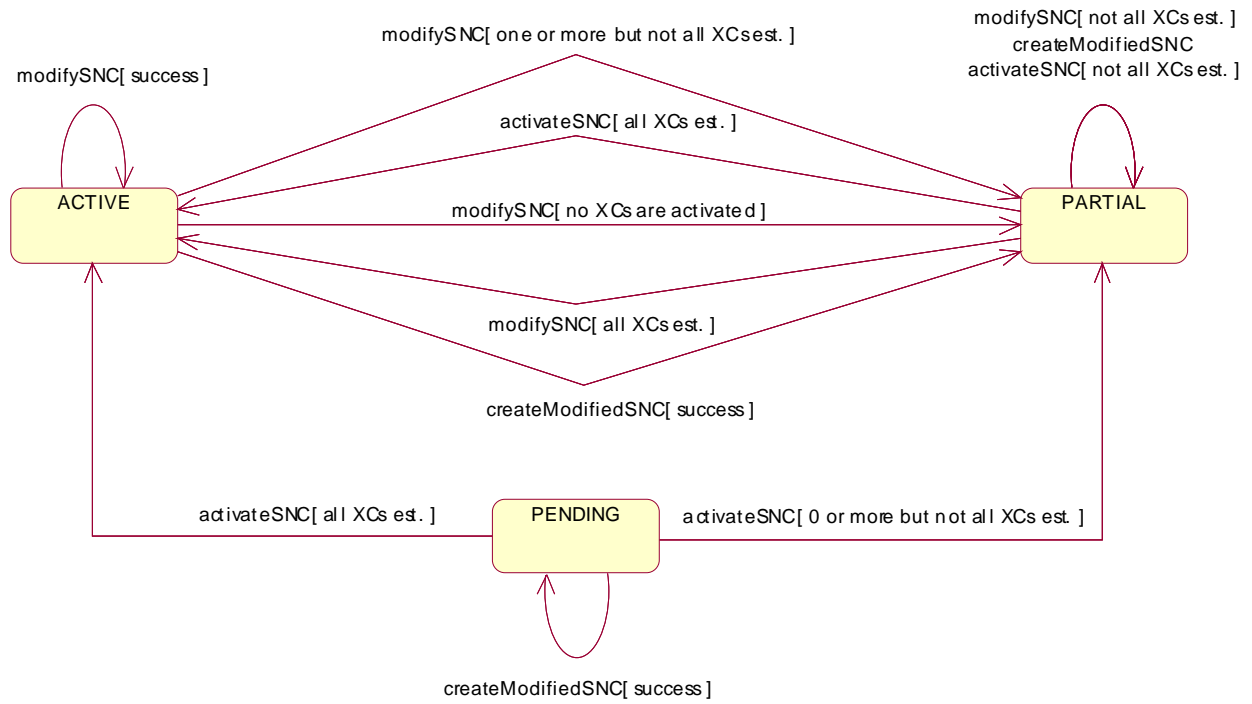


Figure 5: Statechart Diagram - Modification of a SNC with SNC name preserved

Call States

The possible Call states and transitions as a result of NMS requests to establish, modify and restore Calls are illustrated in the following state transition diagrams:

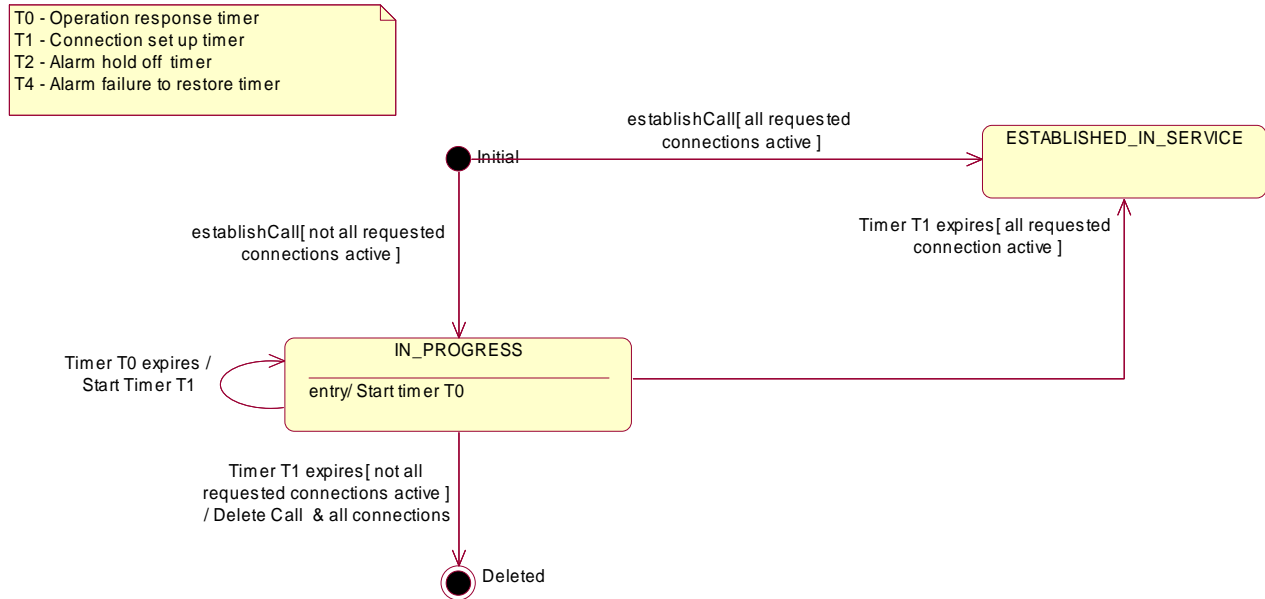


Figure 6: Statechart Diagram - Establish Call

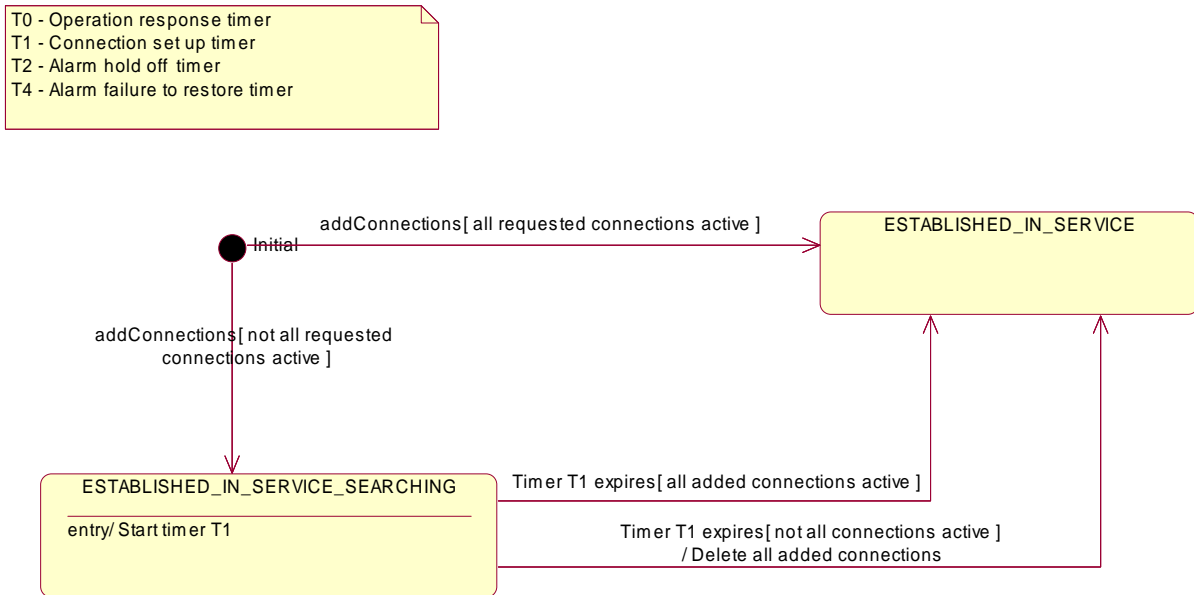


Figure 7: Statechart Diagram - Modify a Call - Add Connections

T0 - Operation response timer
T1 - Connection set up timer
T2 - Alarm hold off timer
T4 - Alarm failure to restore timer

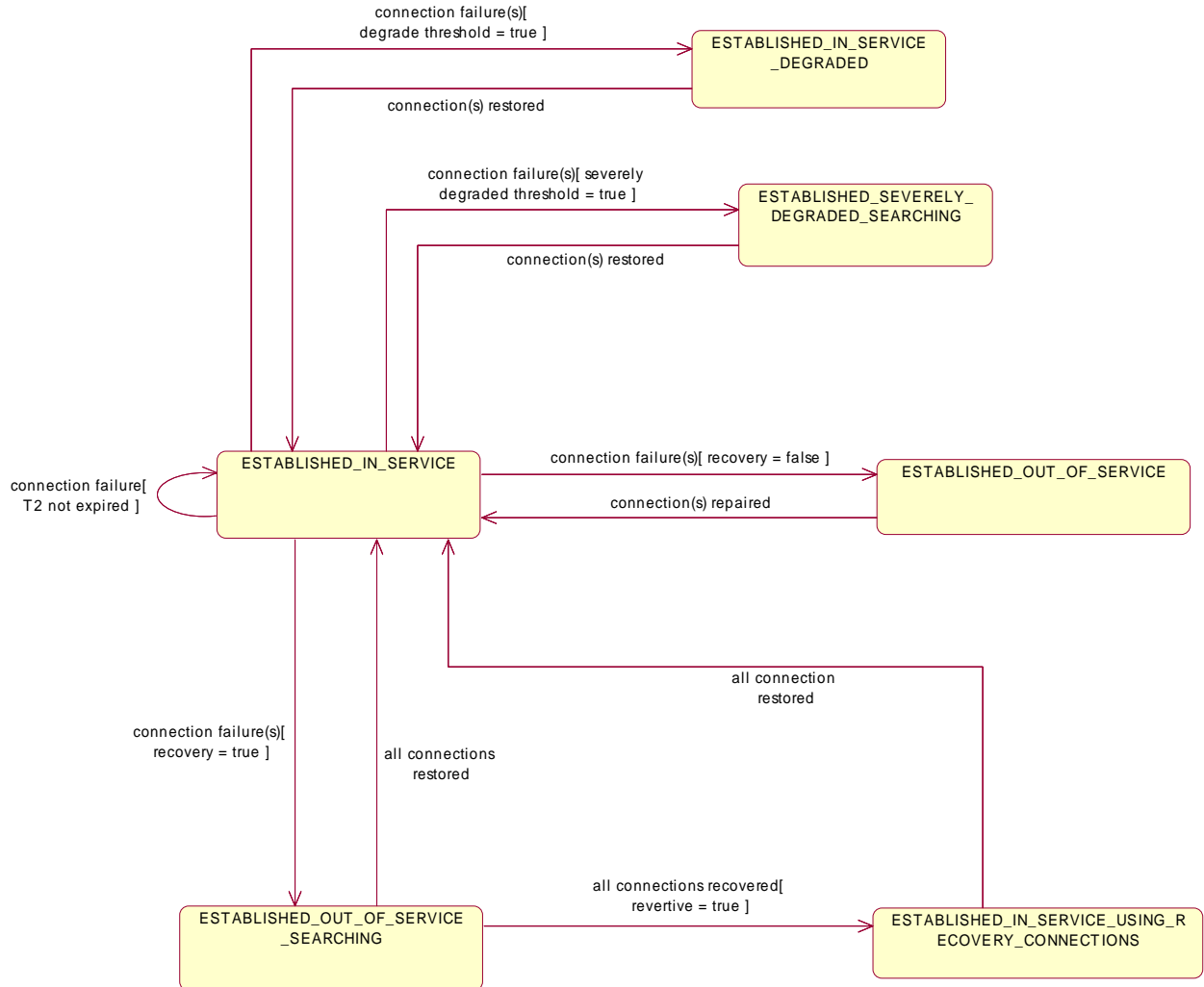


Figure 8: Statechart Diagram - Call Restoration

Revision History

Version	Date	Description of Change
3.0	April 2005	Initial version.
3.1	March 2007	Call state diagrams added. File name changed from "SD1-35_SNCStateDiagram" to "SD1-35_StateDiagrams"

Acknowledgements

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How to comment on the document

Comments and requests for information must be in written form and addressed to the contact identified below:

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Please be specific, since your comments will be dealt with by the team evaluating numerous inputs and trying to produce a single text. Thus we appreciate significant specific input. We are looking for more input than wordsmith" items, however editing and structural help are greatly appreciated where better clarity is the result.