

# **OGF NSI CS State Machine Delft v1 (Proposed)**

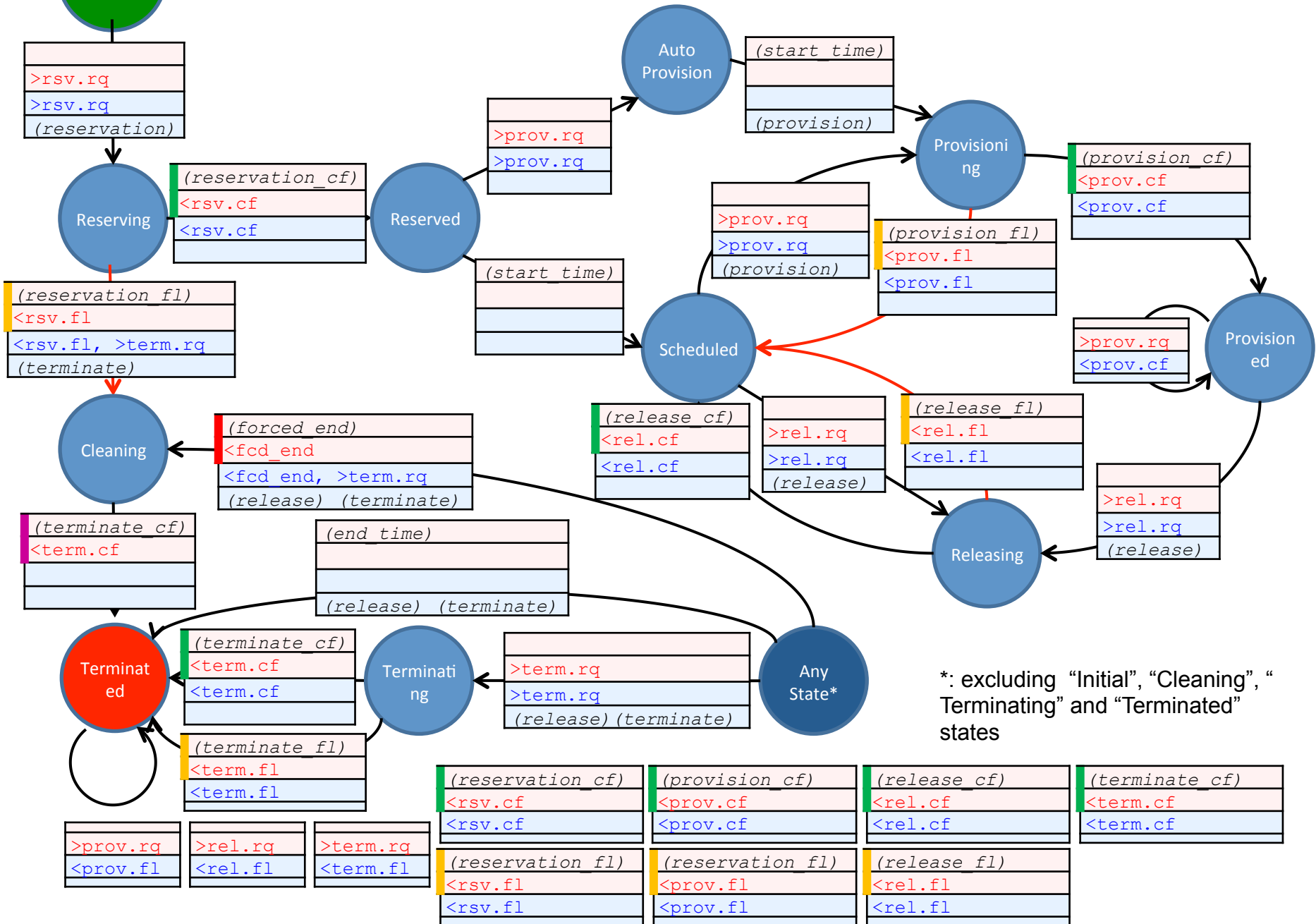
OGF35 June 17-19, 2012

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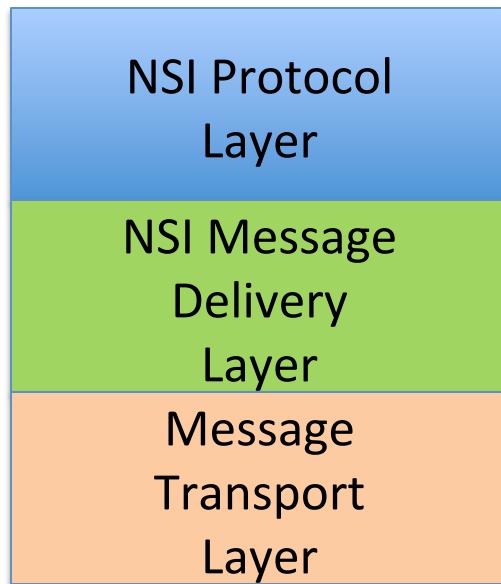
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# NSI State Machine (v1.0SC)



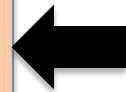
# NSI message delivery layer (MDL)



State Machine works here

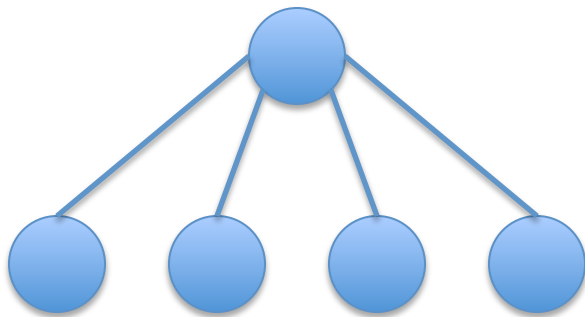


New layer which confirms delivery of message to all immediate children including uPA in the same NSA



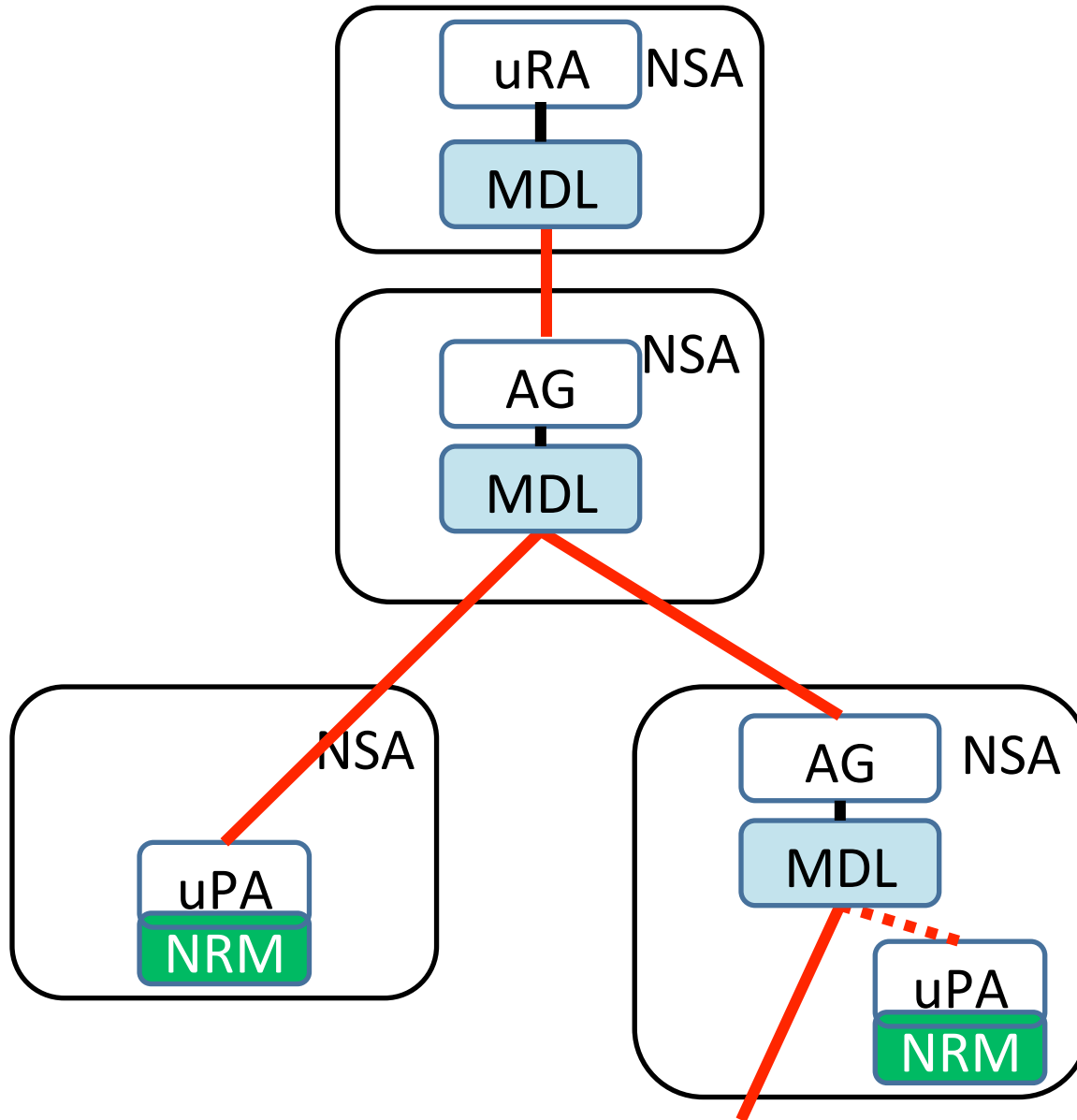
Peer-to-peer message delivery

"ensures" might be too strong a statement, changed to "confirms"



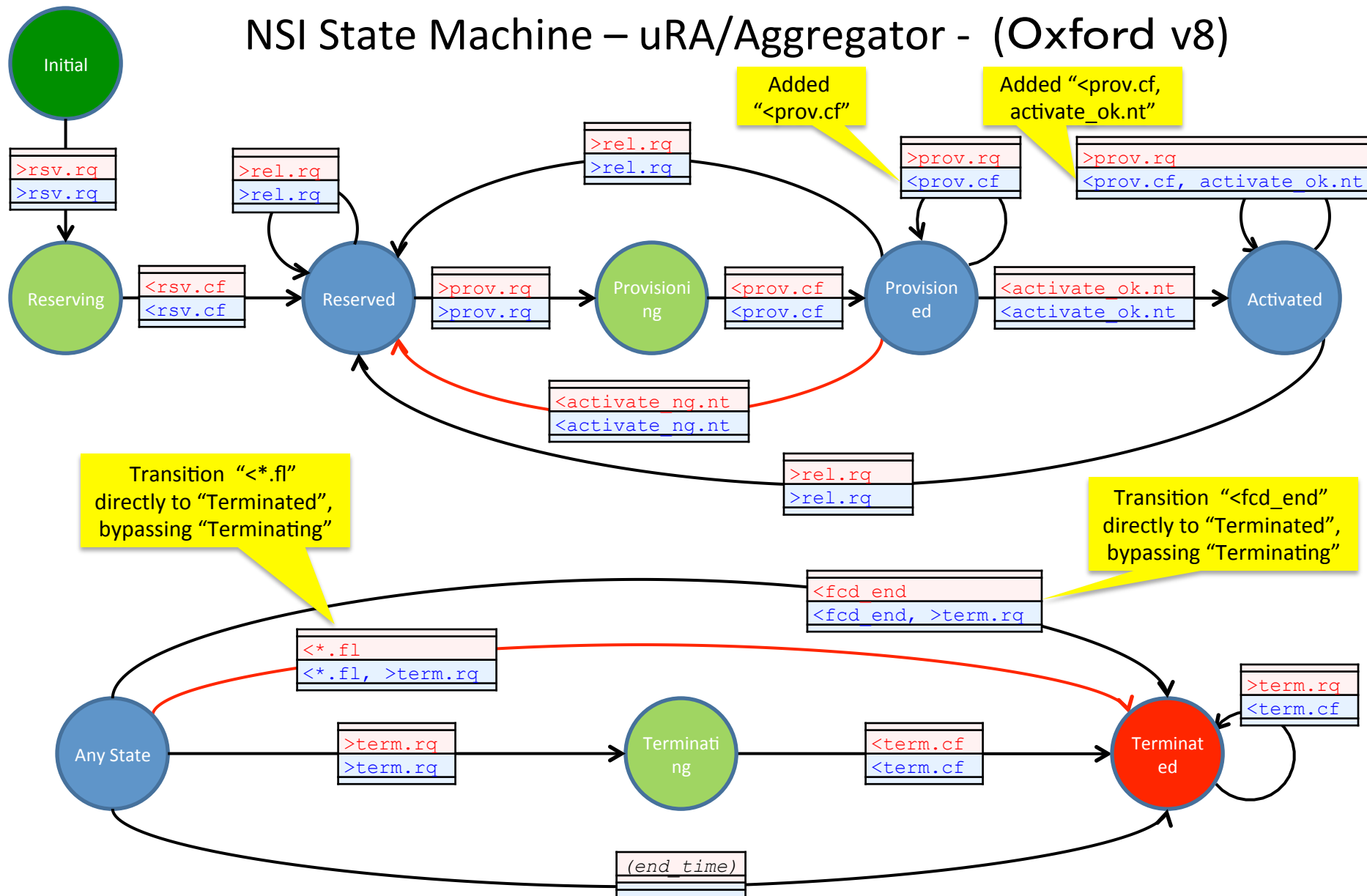
- MDL does
  - Aggregation of replies from children
    - all-ok/one-or-more-failed
  - Timeout/Re-try (as hard as possible)
- If MDL returns "fail", it is fatal.

# State machines and MDL, NRM



Initial State      Transitional States      Stable States      Final State

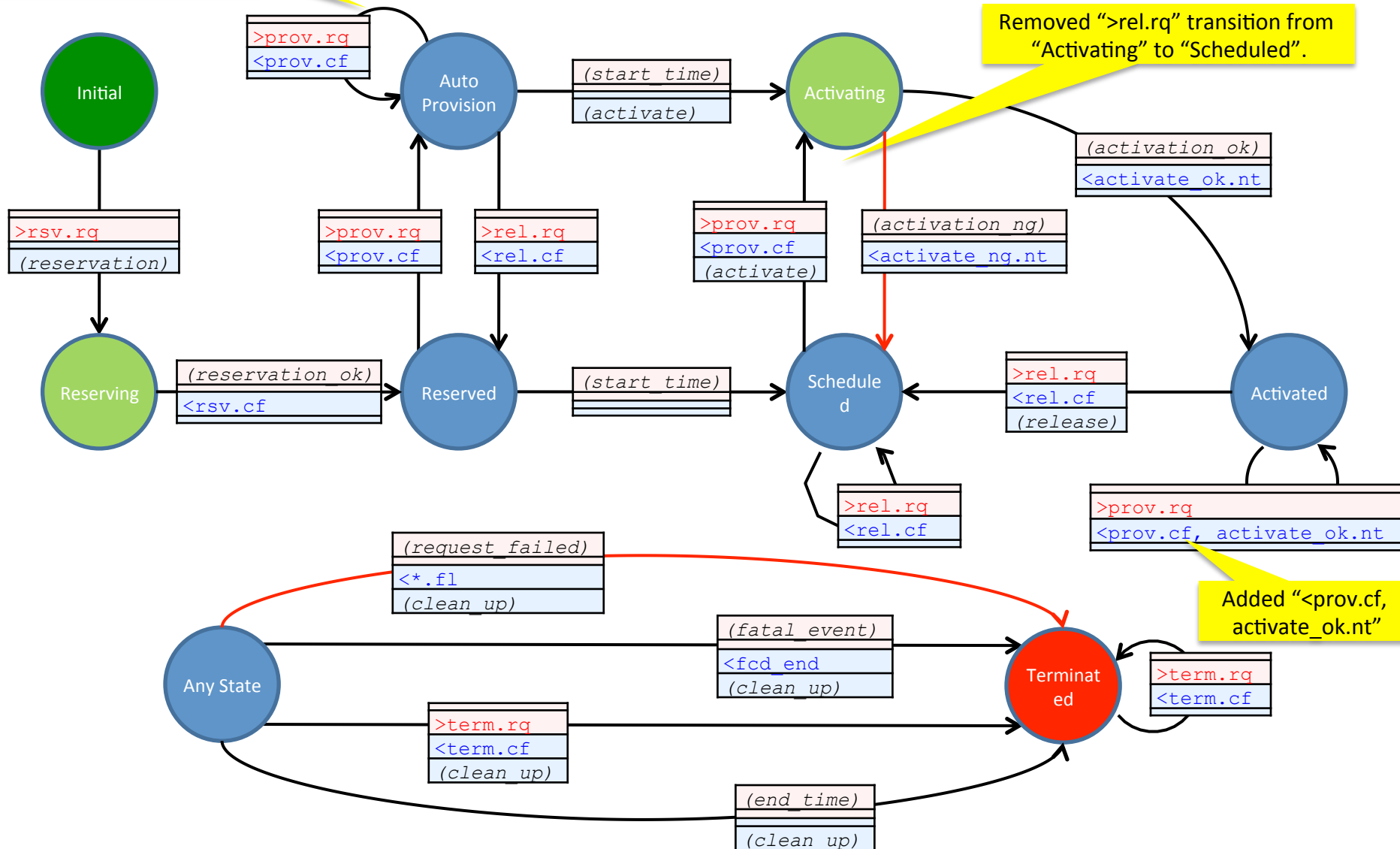
*NB: Messages received in this state is queued and processed only when it transitions to a Stable State.*



# NSI State Machine – uPA - (Oxford v8)

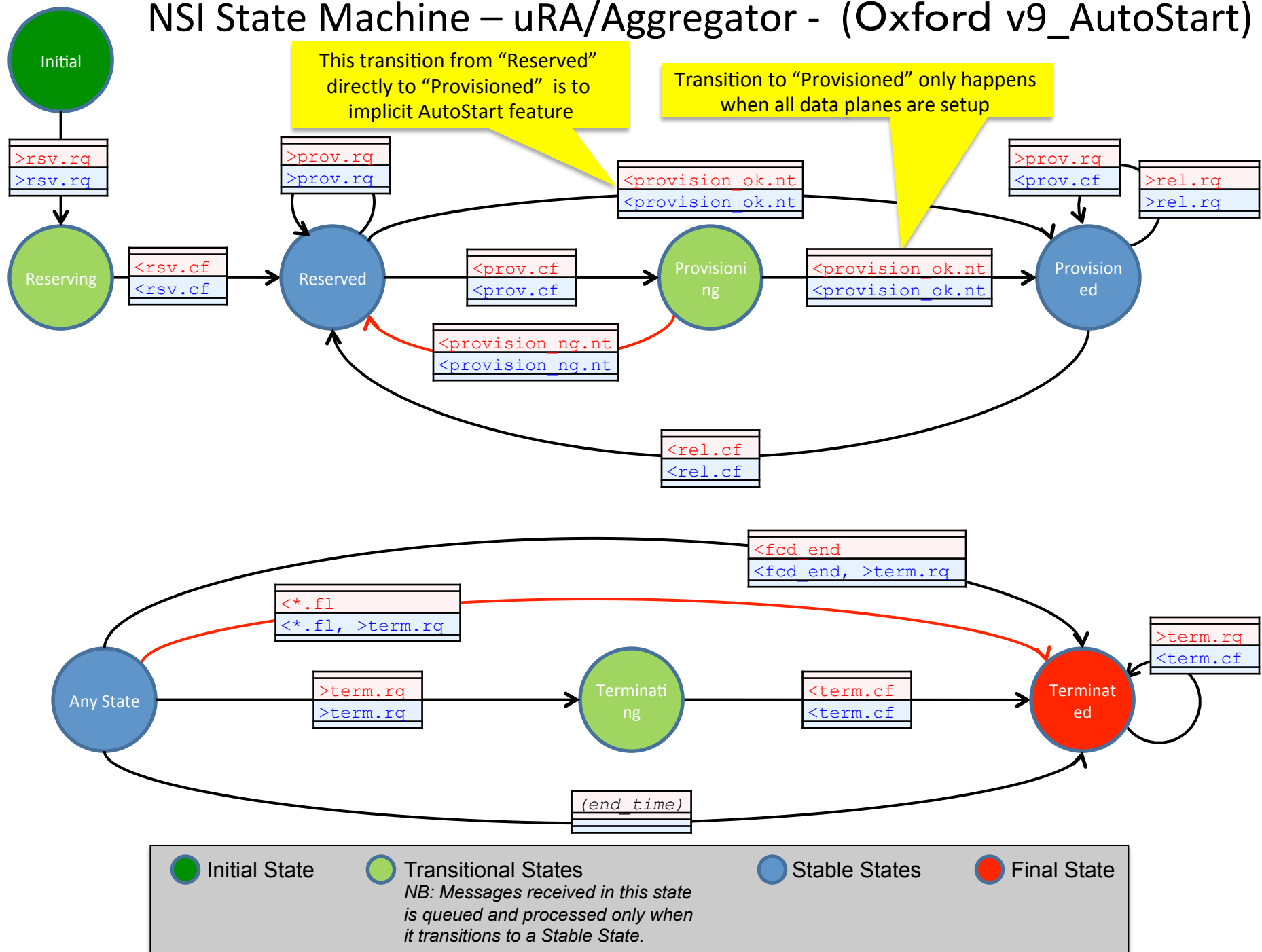
Moved this loop from  
"Activating" state

Removed ">rel.rq" transition from  
"Activating" to "Scheduled".

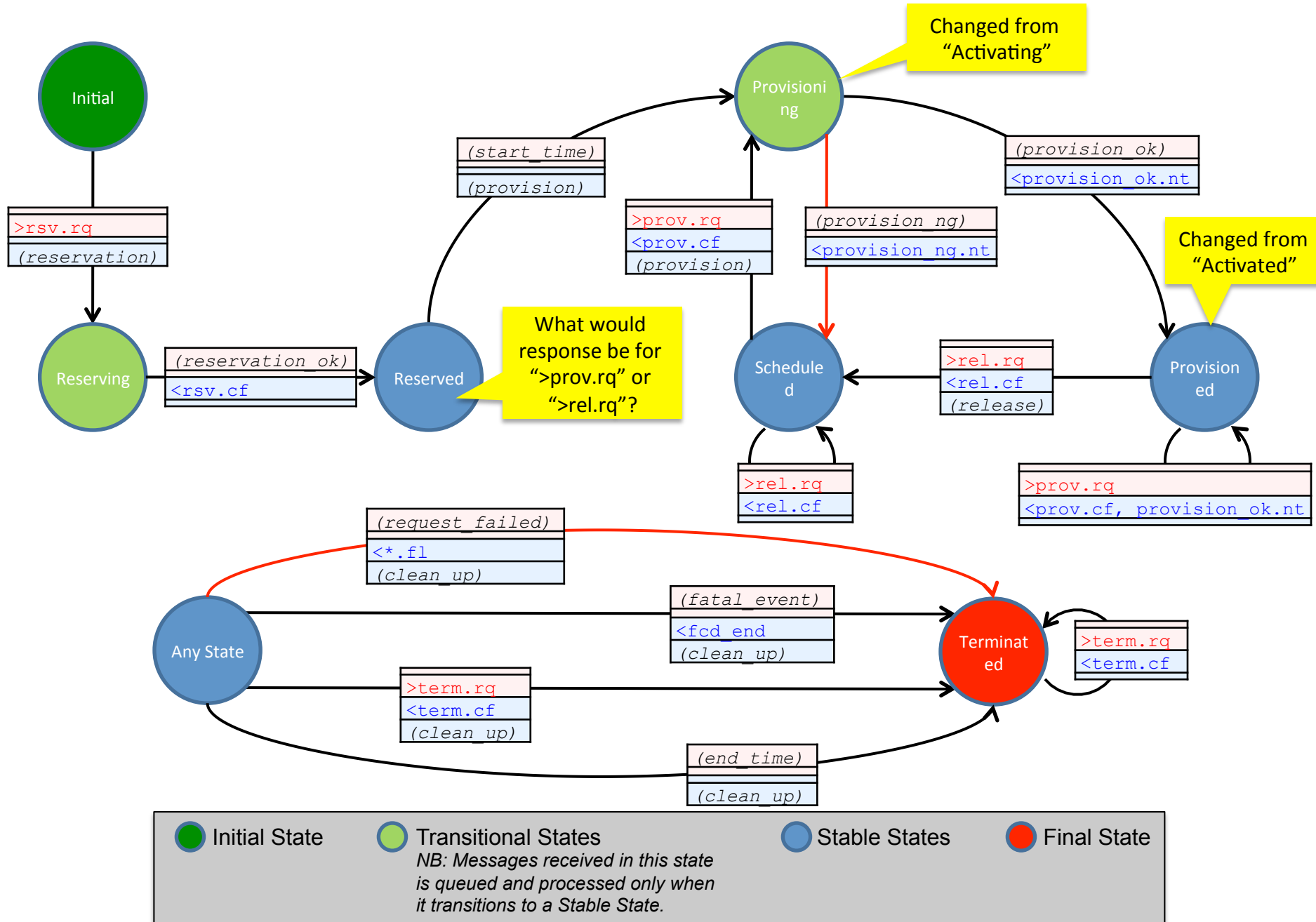


Added "<prov.cf, activate\_ok.nt"

# NSI State Machine – uRA/Aggregator - (Oxford v9\_AutoStart)

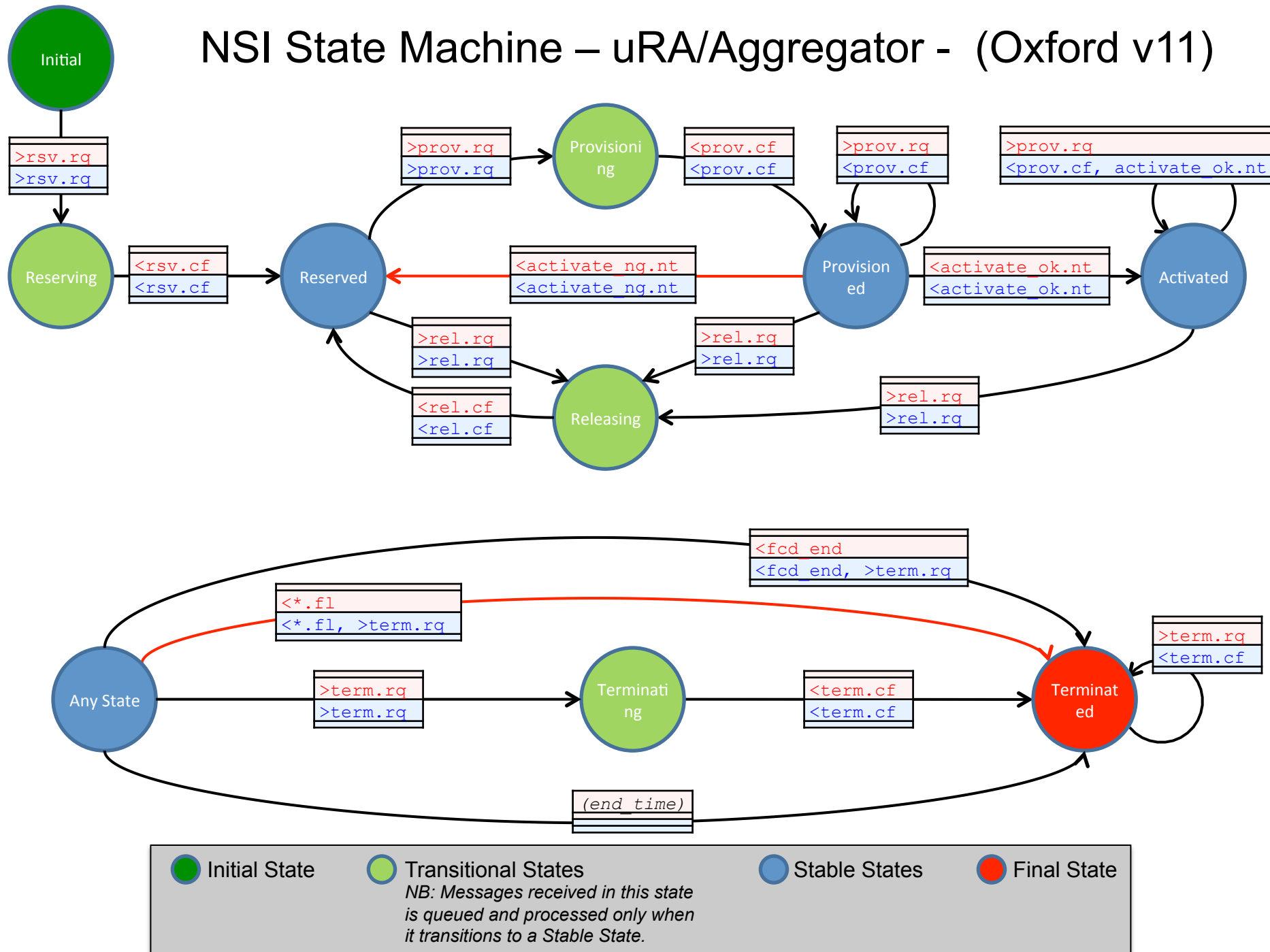


# NSI State Machine – uPA - (Oxford v9\_AutoStart)

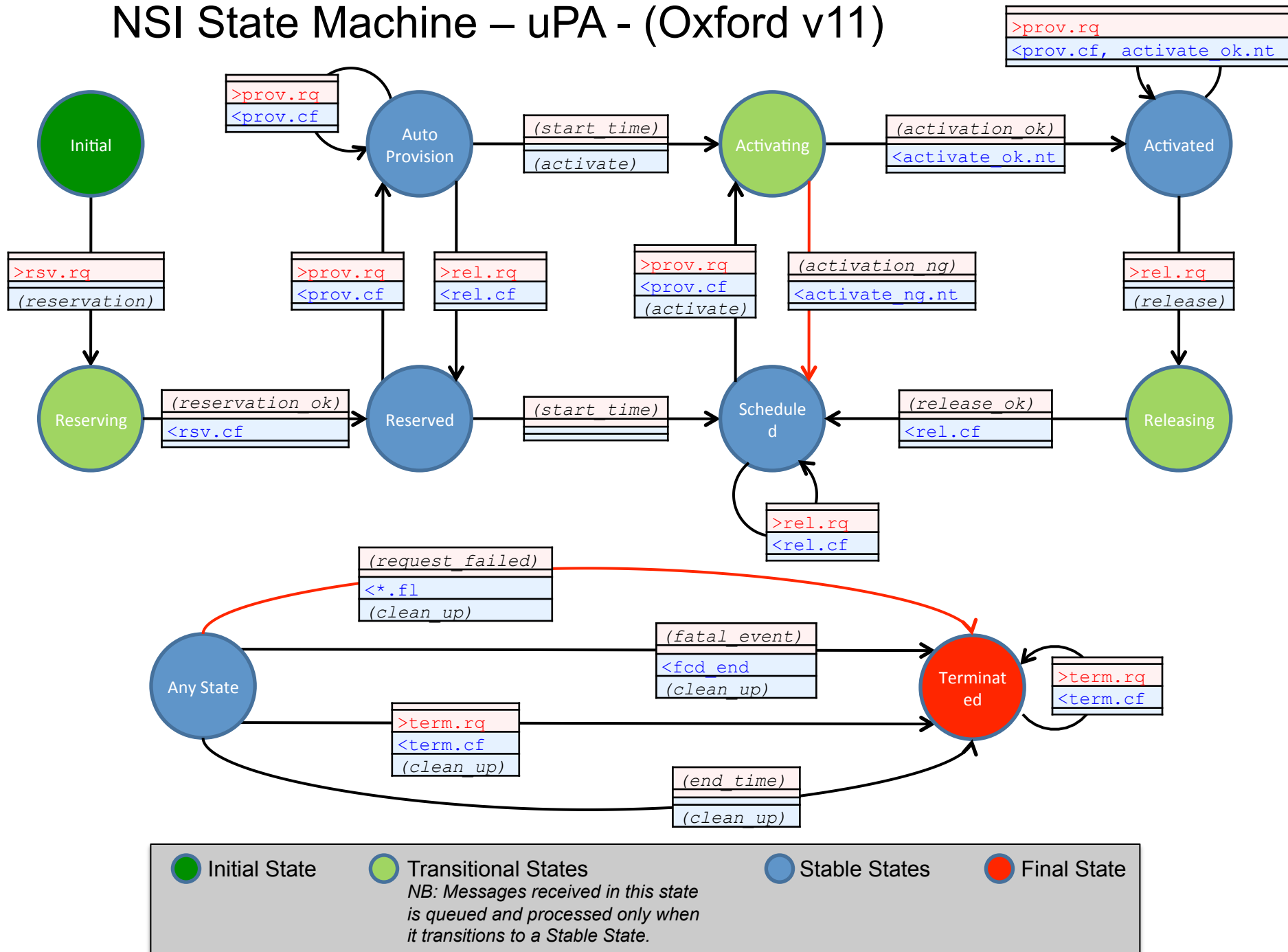




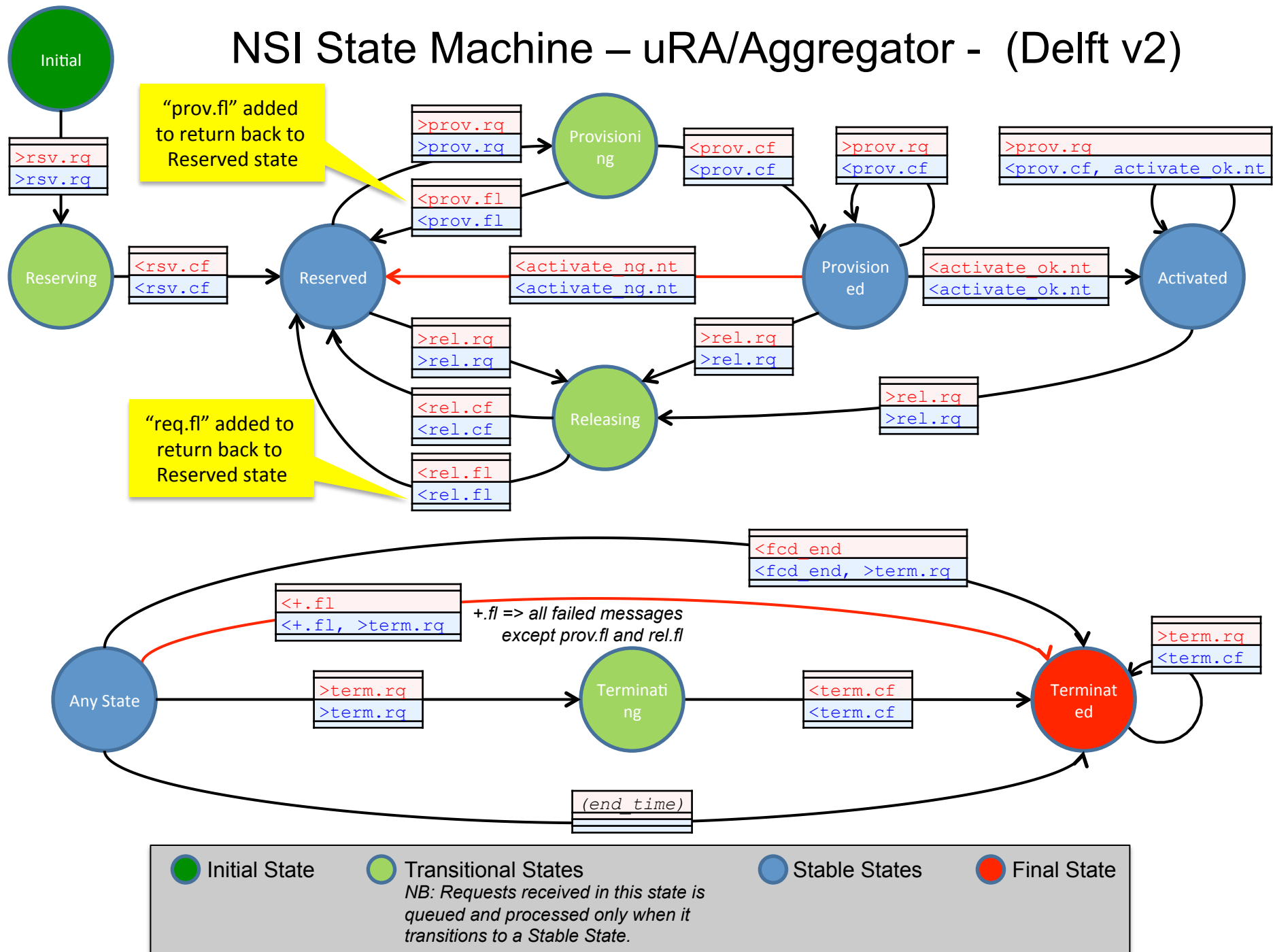
# NSI State Machine – uRA/Aggregator - (Oxford v11)



# NSI State Machine – uPA - (Oxford v11)



# NSI State Machine – uRA/Aggregator - (Delft v2)



# NSI State Machine – uPA – (Delft v2)

