# OGF NSI CS State Machine Addendum to Delft v2 for Modify (P2PCMv1)

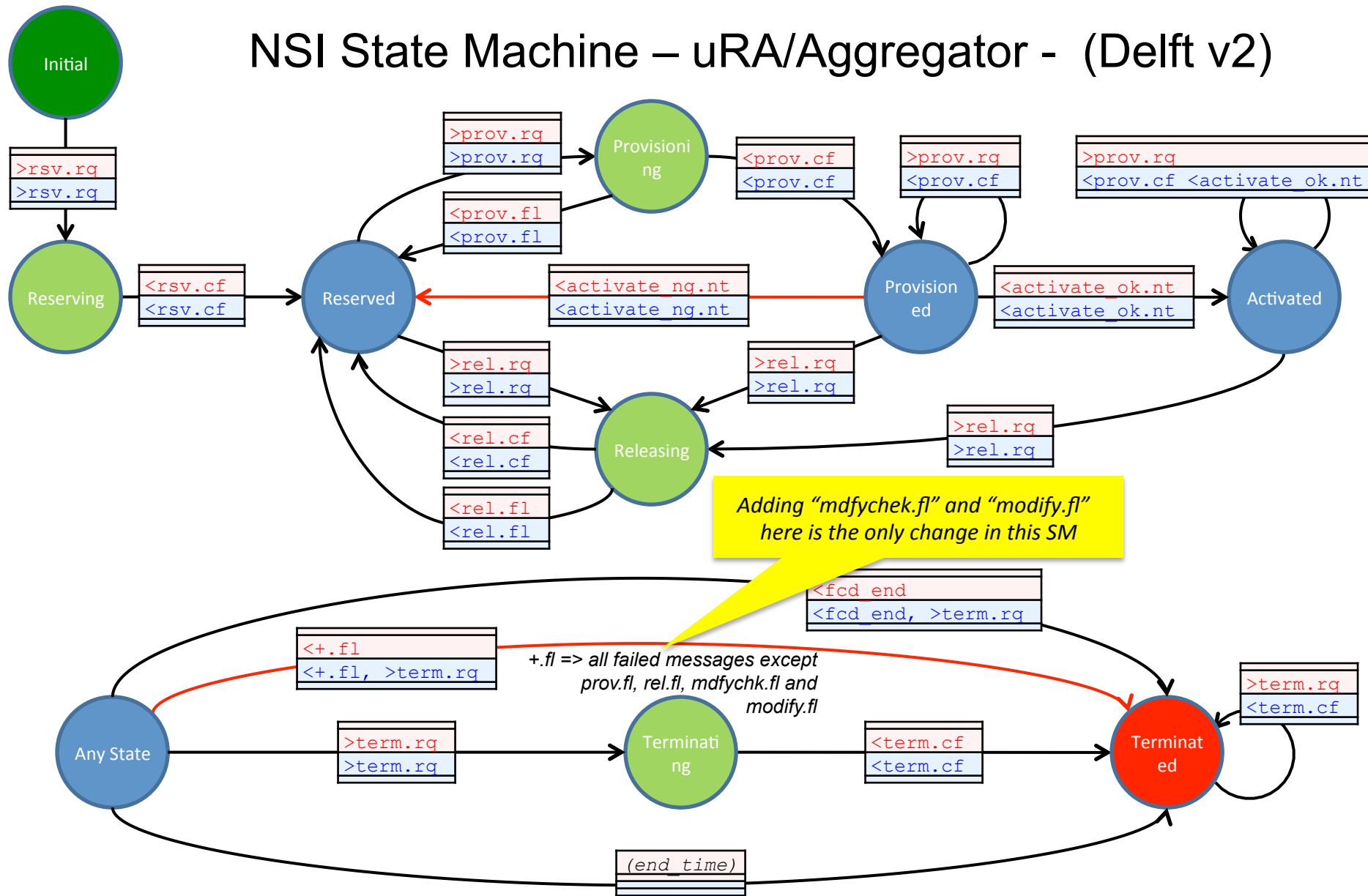Jul. 6, 2012

**Tomohiro Kudoh, t.kudoh@aist.go.jp**

# Summary

- This proposal introduces modify function by just adding operations/ states for modify

  - Pseudo-2PC, which has been used in the reservation sequence of the original SM, is used in modify too.

  - The original SM has not been changed at all (slide 3 and 5 are unchanged). Just added operations/states for modify (slide 4 and 6)
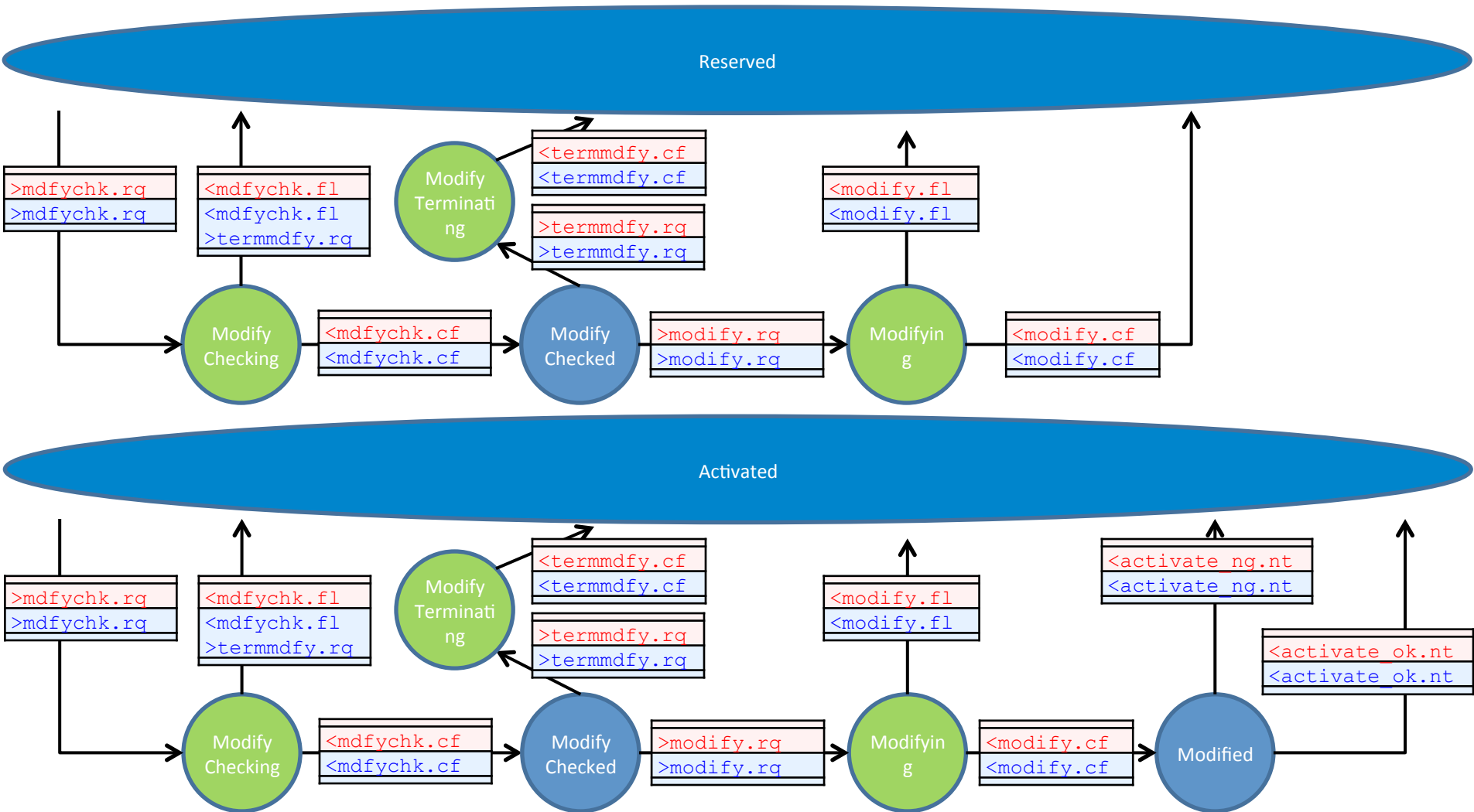
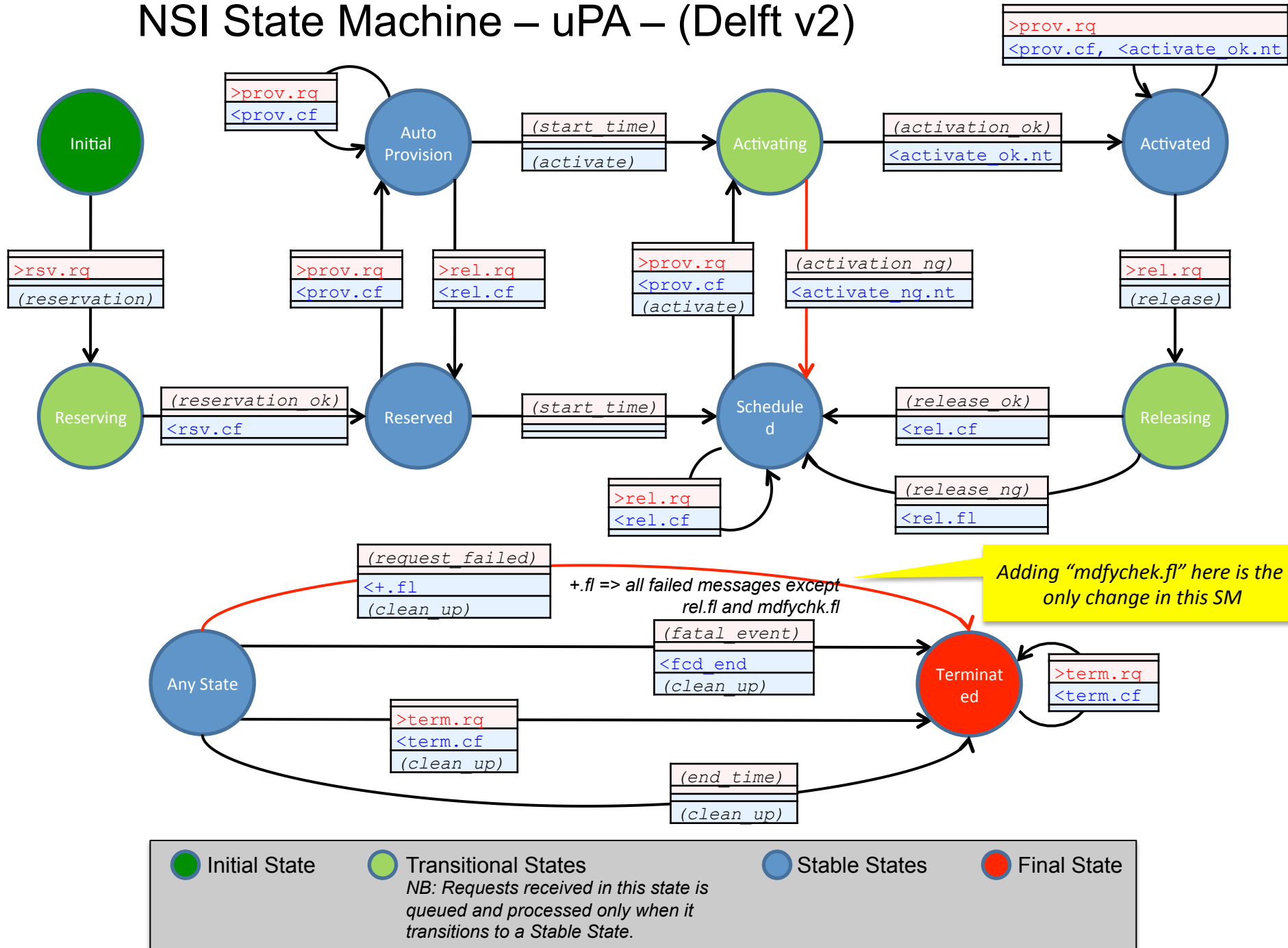www.ogf.org

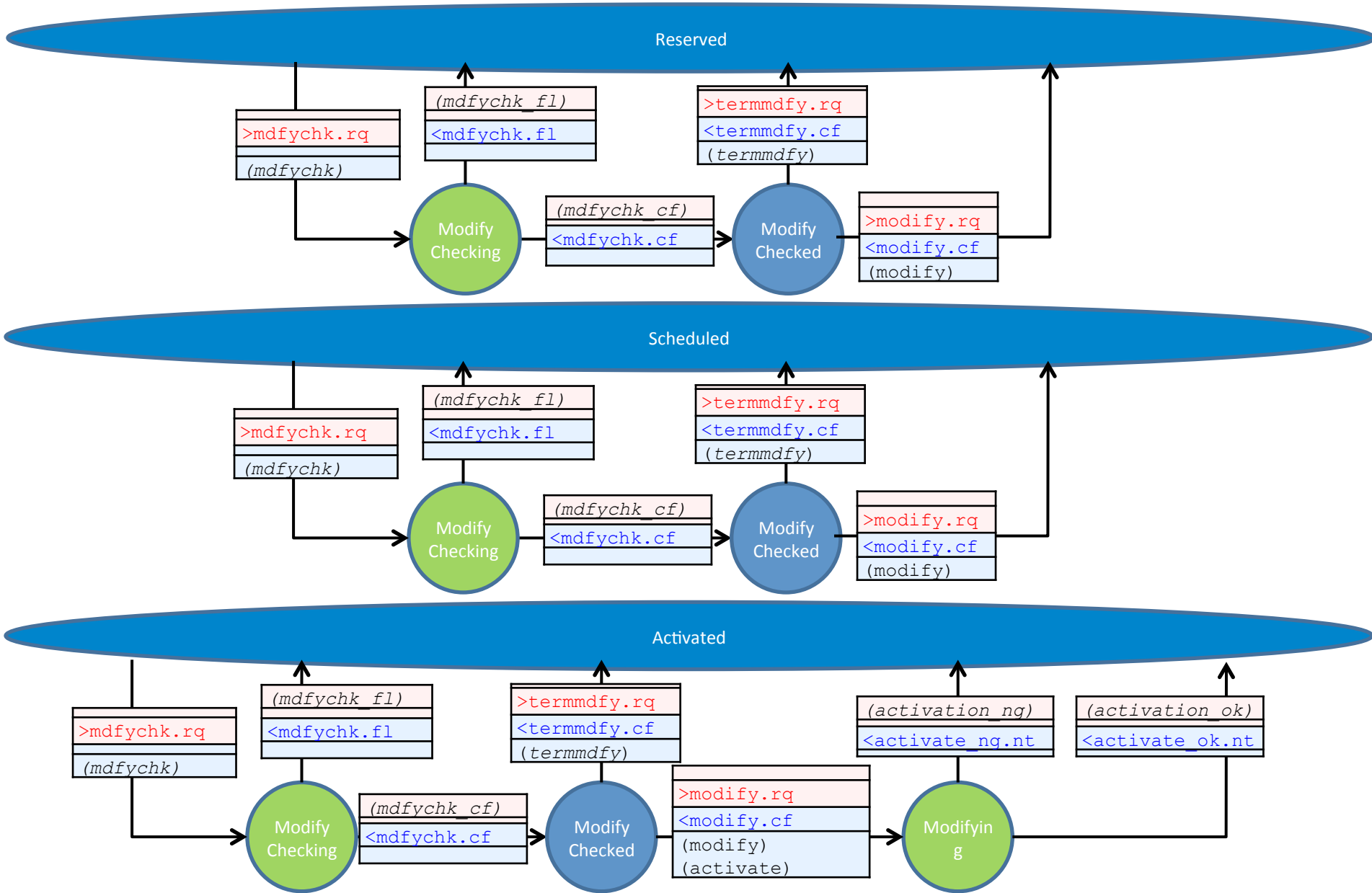NSI State Machine – uRA/Aggregator - (Delft v2)

# NSI State Machine – uRA/Aggregator - (Addendum for Modify)

# NSI State Machine – uPA – (Delft v2)

# NSI State Machine – uPA - (Addendum for Modify)

# Terminology – Operations (addendum for Modify)

| Abbreviation | Description |
|---|---|
| mdfychk (modify check) | The modify check operation allows a connection reservation to be modified. If modification of current reservation is possible, the resources associated with the modification are held. The original reservation is not changed by this operation. |
| Modify | The modify operation will change a reservation by the resources held by modify check operation. If the original reservation has been activated (i.e. modification sequence starts from "Activated" state), modification of activated resource must be done. |
| termmdfy (terminate modify) | The terminate modify operation requests canceling of modification sequence. Held resources must be released. The original reservation must be preserved. |

# Terminology – NRM operations/events (addendum for Modify)

| Abbreviation | Description |
|---|---|
| (mdfychk) | The local NRM must check availability of resource requested, and if available hold them. The original reservation is not changed by this operation. |
| (mdfychk_ok) | The result of the local NRM mdfychk operation was successful. |
| (mdfychk_fl) | The result of the local NRM mdfychk operation was a failure. |
| (modify) | The local NRM must change its original reservation by the by the resources held by mdfychk operation. If the original reservation has been activated (i.e. modification sequence starts from "Activated" state), modification of activated resource must be done. |
| (termmdfy) | The modification sequence was terminated and the local NRM must clean up any associated resources. |