

OGF NSI CS State Machine v?.? (Proposed)

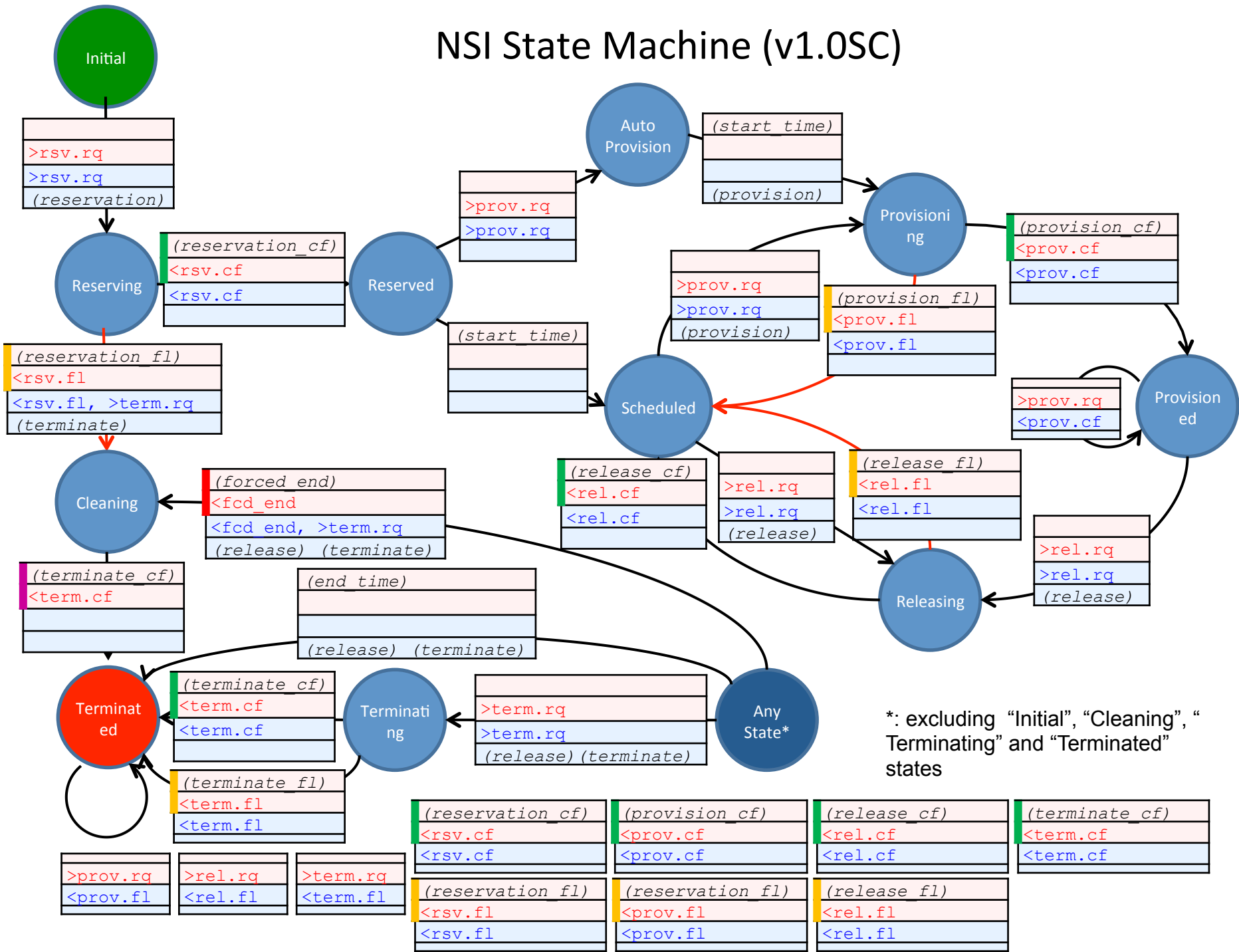
OGF34 March 12-15, 2012

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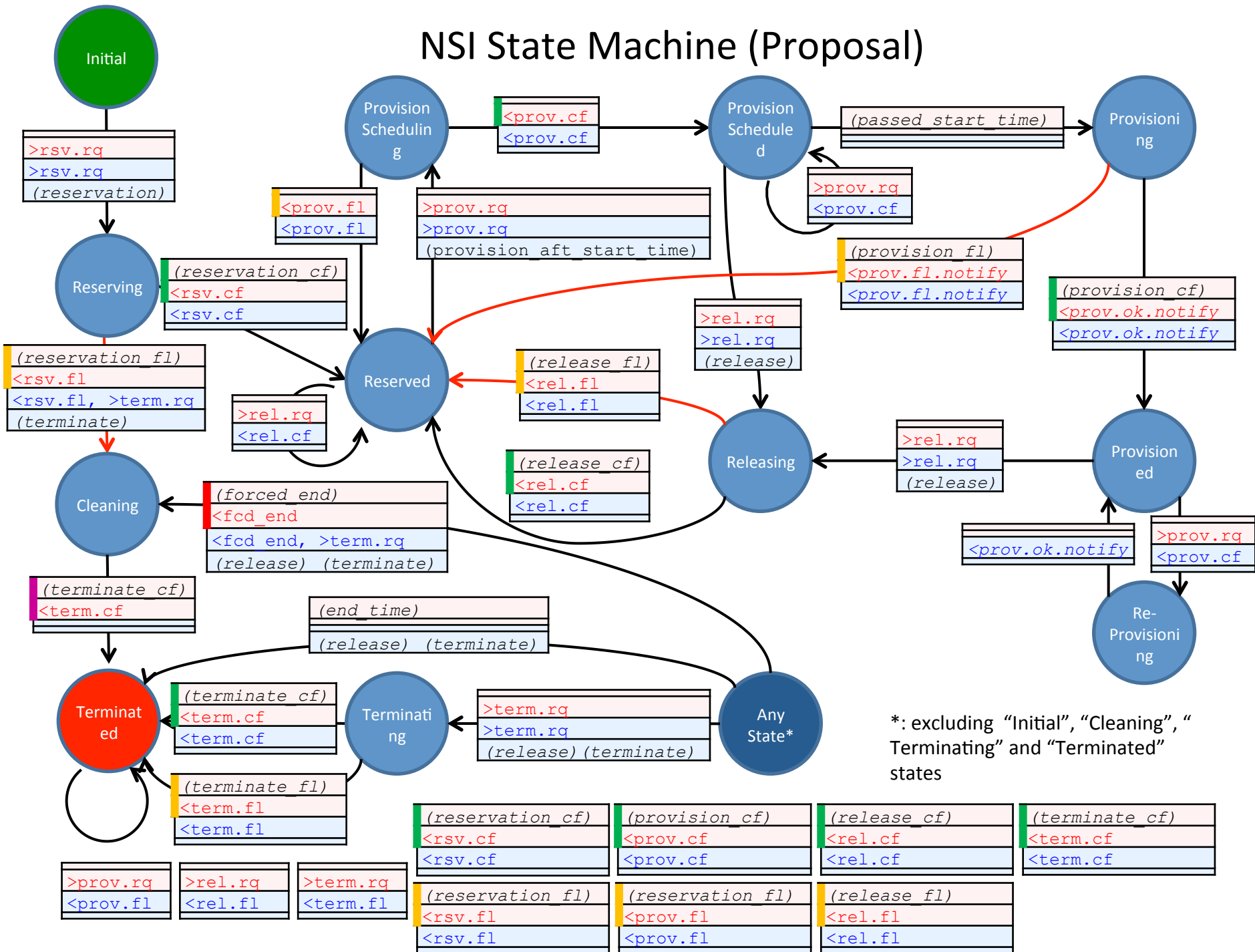
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NSI State Machine (v1.0SC)



NSI State Machine (Proposal)



Changes from v1.0SC State Machine



- Increase state count to 13 (see bullet on “Re-provisioning” state)
 - v1.0SC state machine has 12 states
- For provisioning, there are separate control plane and data plane confirmations (notification)
 - V1.0SC returns a only a single “prov.cf” that combines both control and data plane confirmations
- “Provision Scheduling” and “Provision Scheduled” states collapses “Auto Provision” and “Scheduled” states into a single path workflow (pre “Provisioning” states)
 - “passed_start_time” (in “Provision Scheduled” state) triggers transition to “Provisioning” state
- “Re-Provisioning” has been added to facilitate return of “prov.cf” (Control Plane) and “prov.ok.notify” (Data Plane) messages
- “provision_aft_start_time” has been added for transition between “Reserved” and “Provision Scheduling” states to instruct NRM in advance of when to setup circuit(s)
 - *Implicit assumption that NRM has a timer to activate circuit(s) setup*