State Transitions

S3

S5

S4

S2

S1

T1

A transition from the ‘wait’ state to the ‘sec’ state passes through the state ‘update’. That is, when state ‘sec’ is entered from state ‘wait’, state ‘update’ is also entered. Thus all parent states of the final target state are notified when the transition is executed.

The state machine that is the parent of a target state needs to be aware of the transition to it child state. Therefore, datamodel of the state machine will provide for each parent in the transition chain to have a reference to the transition. Additionally, when the transition executes, the state path will be parent to child.

For example, when transition T1 executes, state S2 will activate, then state S2 will then activate its child state S5.