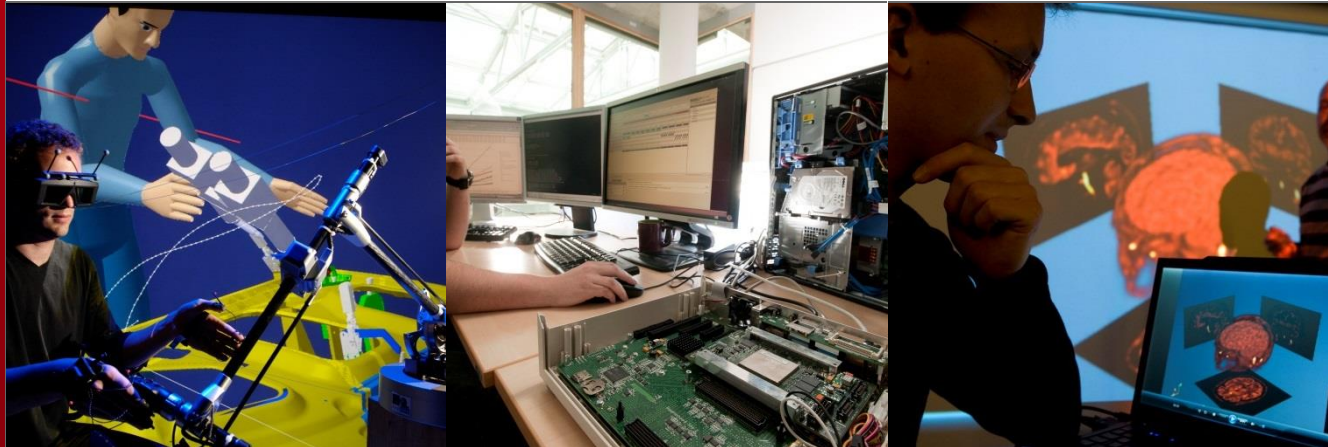


[PSSM] – WEBEX NOVEMBER 6TH

Jérémie TATIBOUET (CEA LIST)

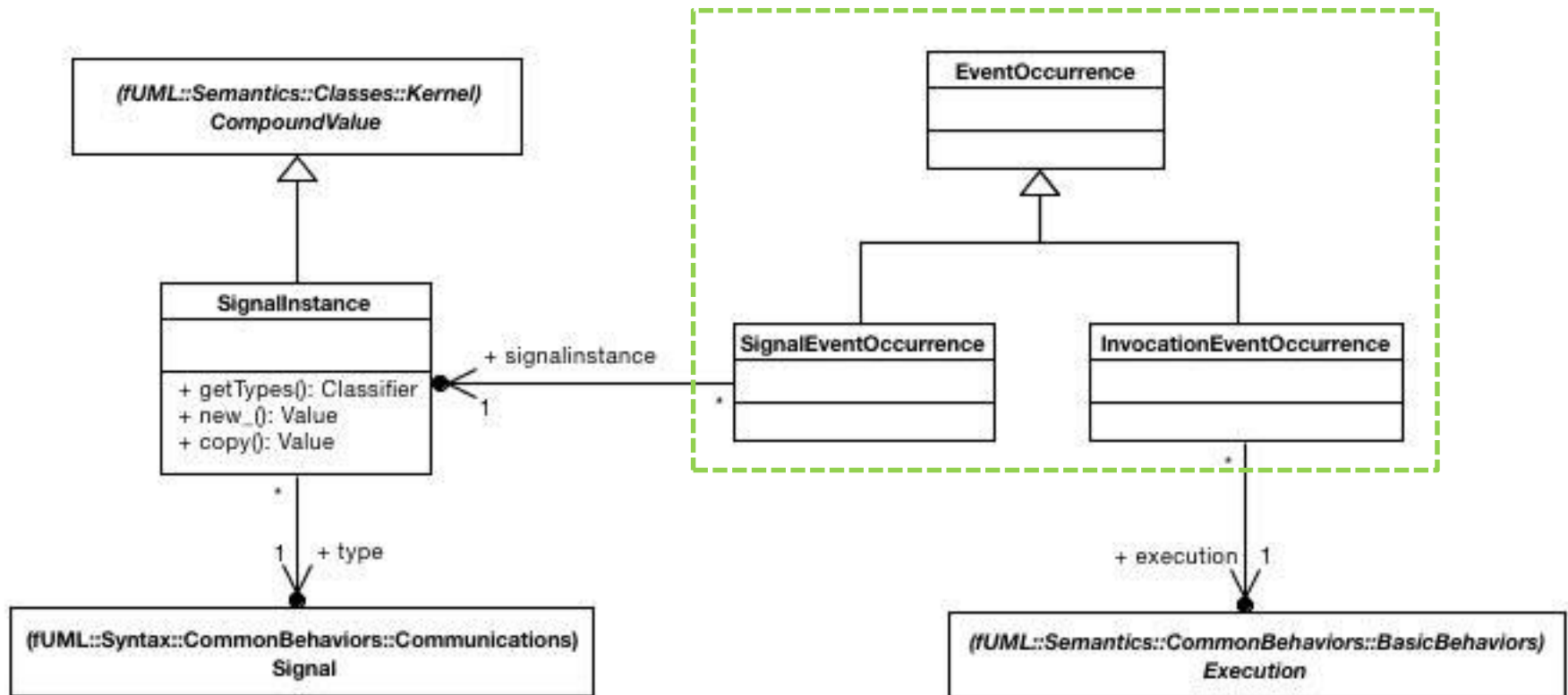
Arnaud CUCCURU (CEA LIST)

list



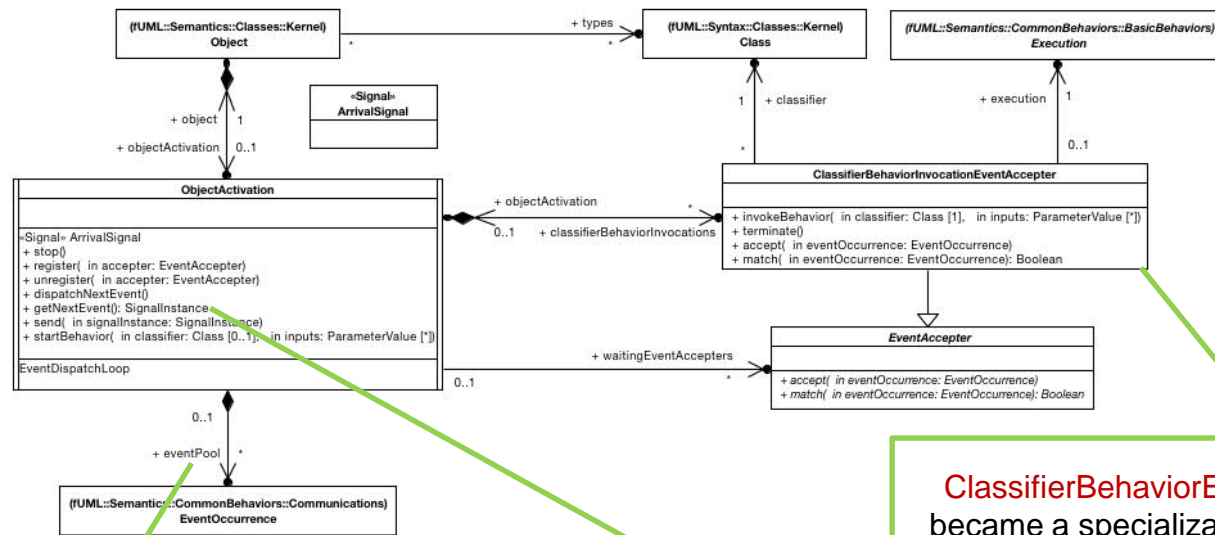
Event occurrence

- Separation between the event itself and the data that may be shipped
 - SignalEventOccurrence (i.e. reference the signal instance)
- The pool now stores event occurrence
 - First step to make CalEvent integration simpler



Run to completion step

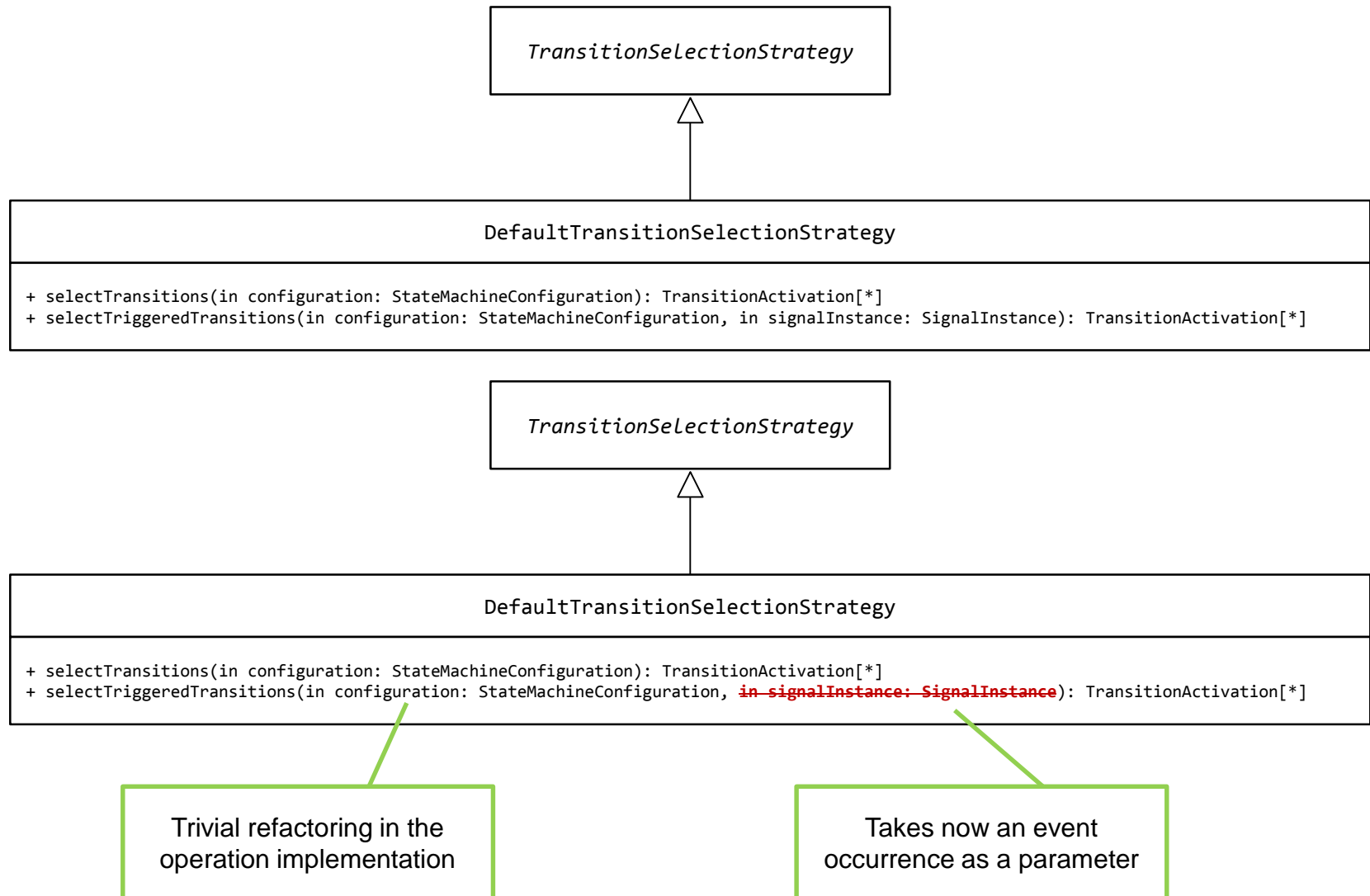
- Each classifier behavior starts on a run to completion step
 - An event accepter is registered for the classifier behavior
 - An “InvocationEventOccurrence” is placed in the pool
 - The consumption of the event makes the classifier behavior to start

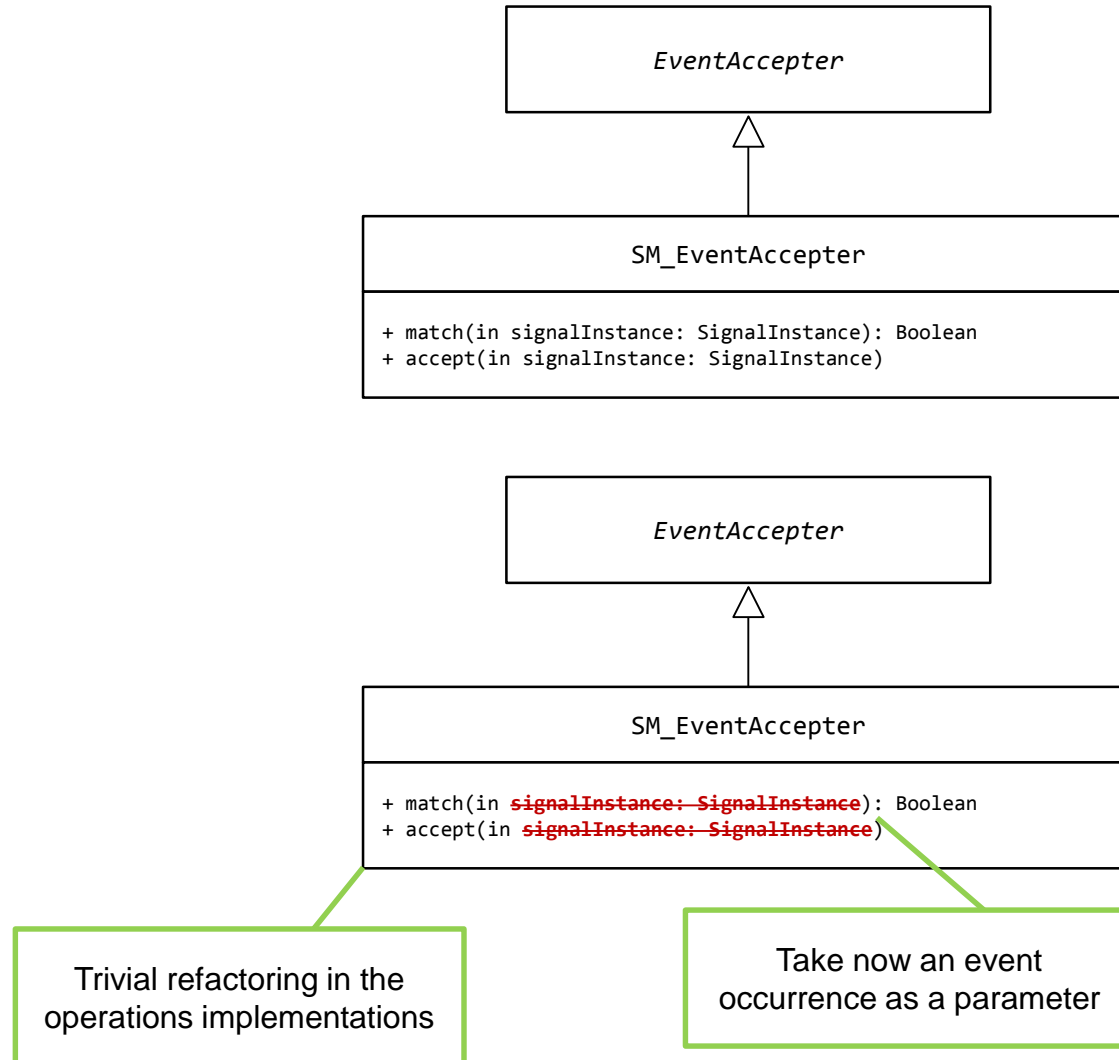


The pool is now a list of EventOccurrence

“getNextEvent” now provides EventOccurrence

ClassifierBehaviorExecution class became a specialization of an event accepter. The classifier behavior starts when accept is executed





Transition_015	In case of simple States, a completion event is generated when the associated entry and doActivity Behaviors have completed executing. (p.328)
Transition_016	If no such Behaviors are defined, the completion event is generated upon entry into the State. (p.328)
Transition_017	For composite States, a completion event is generated under the following circumstances: All internal activities (e.g., entry and doActivity Behaviors) have completed execution, and all its orthogonal Regions have reached a FinalState. (p.328 - 329)
Transition_019	Completion events have dispatching priority. That is, they are dispatched ahead of any pending Event occurrences in the event pool. (p.329)

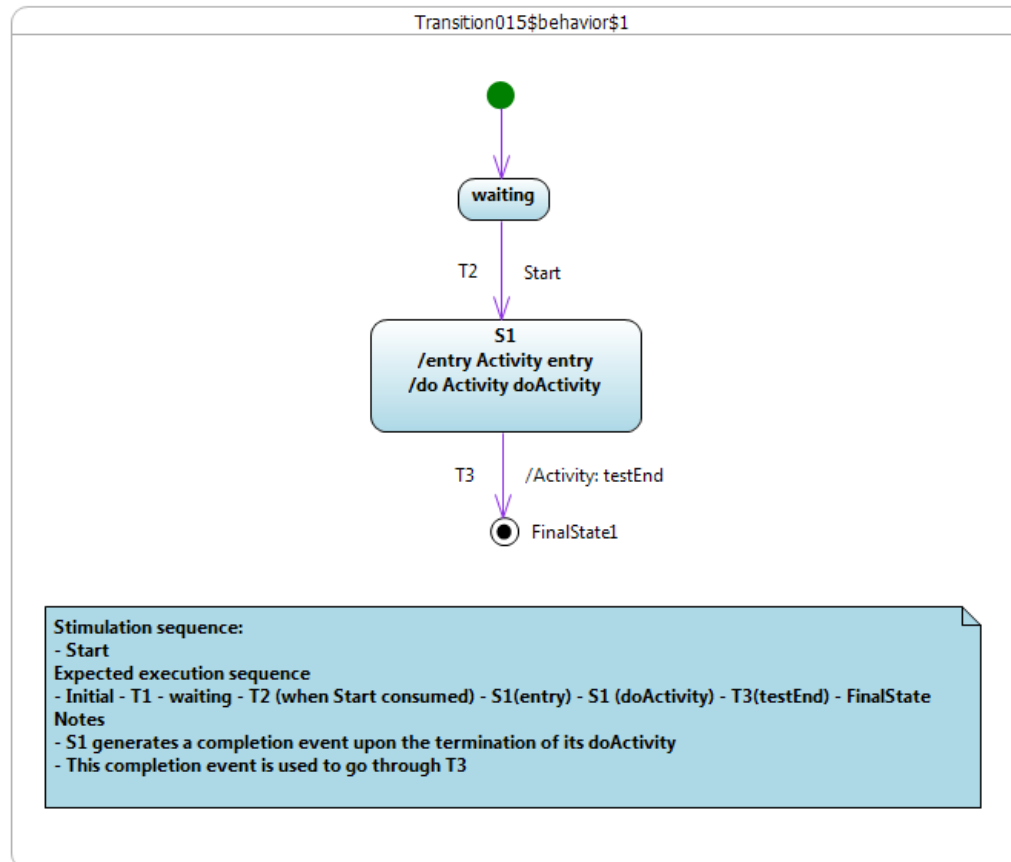


Completion events

- **StateActivation**
 - Boolean flags to know if the different prerequisites to generate the completion event are fulfilled
 - “notifyCompletion” operation was added
 - “hasCompleted” operation was added
- **RegionActivation**
 - Boolean flag added to know if the region finished through its final state
- **FinalState**
 - Completion test added (force the state to evaluate its completion when one of its region has reached its final state)
- **StateMachineExecution**
 - Additional loop in the “execution” operation was removed
- **TransitionSelectionStrategy**
 - Now only a single operation “selectTransition” remains

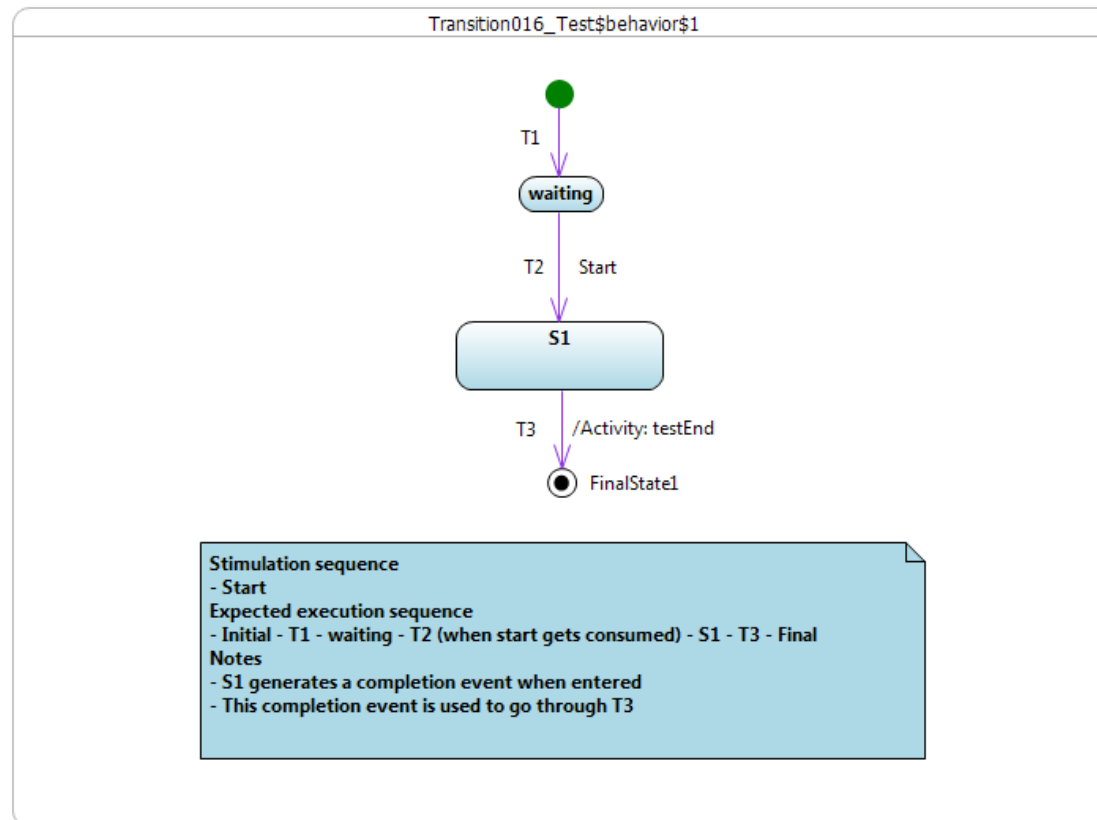
Transition_015

In case of simple States, a completion event is generated when the associated entry and doActivity Behaviors have completed executing. (p.328)



Transition_016

If no such Behaviors are defined, the completion event is generated upon entry into the State.
(p.328)



Transition_017

For composite States, a completion event is generated under the following circumstances: All internal activities (e.g., entry and doActivity Behaviors) have completed execution, and all its orthogonal Regions have reached a FinalState. (p.328 - 329)

