

[PSSM] – WRAP UP ON HOW SHOULD COMPLETION EVENTS BE HANDLED

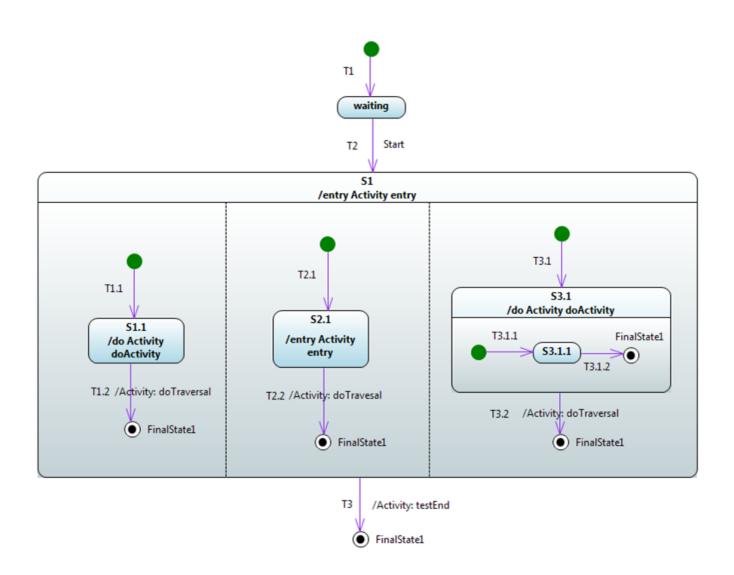
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Ceatech Initial Proposal for the Execution



Step	Event pool state	Active states
End of Step 1	{CE(waiting)}	{Waiting}
End of Step 2	did not trigger a transition Start Ouring step 2 Start Was received	{Waiting}
End of Step 3	{CE(S1.1), CE(S2.1), CE(S3.1.1)}	{S1, S1.1, S2.1, S3.1, S3.1.1}
End of Step 4	{CE(S1.1), CE(S2.1), CE(3.1)}	{S1, S1.1, S2.1, S3.1}
End of Step 5	{CE(S1.1), CE(S2.1)}	{S1, S1.1, S2.1}
End of Step 6	{CE(S1.1)}	{S1, S1.1}
-	ncurrent region of S1 terminated {CE(S.1)}	{S1}
End of Step 8	{}	The execution terminates



Ceatech SECOND PROPOSAL FOR THE EXECUTION



Step	Event pool state	Active states
End of Step 1	{CE(waiting)} The place of a	{Waiting}
End of Step 2	completion event in the event pools is {Start} dependent of its	{Waiting}
End of Step 3	(CE(S3.1.1), CE(S2.1), CE(S1.1))	{S1, S1.1, S2.1, S3.1, S3.1.1}
End of Step 4	{CE(3.1.1), CE(S2.1)}	{S1, S2.1, S3.1, S3.1.1}
End of Step 5	{CE(S3.1.1)}	{S1, S3.1, S3.1.1}
End of Step 6	{CE(S3.1)}	{S1,S3.1}
End of Step 7	{CE(S.1)}	{S1}
End of Step 8	{}	The execution terminates

ceatech conclusions



A. In which order the completion events are placed in the event pool

- Initial proposal: ahead of any other event (including completion events)
 - An occurrence of a completion event is always placed at the head of a the event pool.
- Second proposal: completion event are placed in the pool according to their date of occurrence
 - The point is: a completion cannot be placed before another completion event that is already in the pool. However it still has the priority over all other events (CallEvent, SignalEvent, etc.)

B. In which order the completion events get dispatched

According to their order in the event pool

C. What is the scope of a completion event

The completion event is used in the scope of the state from which it
was initially generated. This mainly justifies the existence of the
association between an CompletionEventOccurrence and a
StateActivation in the execution model.

Ceatech What IS NEW FROM LAST MEETING



A. Completion events

- Implementation done
- Tests regarding completion events are successful
 - Transition015 Completion events and not-empty state
 - Transition016 Completion events and empty state
 - Transition017 Completion events and orthogonal regions

B. Test suite

- The complete test suite now follows the new test architecture
 - Events, Entering and Exiting
- Tooling to generate test skeleton
 - Focus only on the state-machine specification and the test sequence that this latter is intended to receive
- New added tests
 - Requirements of PSSM supported by the engine: ~44%
 - Current test coverage for PSSM requirements: ~22%