

%InputTime contains one value, in a structure of (Time, start\_Offset, end\_Offset)%

%Timing : enumeration of (immediate, delayed, sampled)%

%PortType: enumeration of (data, event, event data)%

%Return InputTime event%

Rule **RInputTime2**

(Time, start\_Offset, end\_Offset, Dispatch, Start, Completion) =

{if (Time = #Start)

then ITevent = InputTimeEvent2(Start+start\_Offset, Start+end\_Offset)

else if (Time = #Completion)

then ITevent = InputTimeEvent2(Completion+start\_Offset, Completion+end\_Offset)

else if (Time = #Dispatch)

then ITevent = InputTimeEvent2(Dispatch+start\_Offset, Dispatch+end\_Offset)

else if (Time = #NoIO)

then ...

else ITevent := InputTimeEvent1(Dispatch)

%Return InEvent%

Rule **GenerateInEvent2**

(InputTime, Timing, PortType, Dispatch, Start, Completion) =

{if (PortType = #data)

then if (Timing = #immediate)

then InEvent = InputTimeEvent1(Start)

else if (Timing = #delayed)

then InEvent = InputTimeEvent1(Dispatch)

else InEvent = Rule RInputTime2

(InputTime.Time, InputTime.start\_Offset, InputTime.end\_Offset, Dispatch, Start, Completion)

else InEvent ^= Rule RInputTime2

(InputTime.Time, InputTime.start\_Offset, InputTime.end\_Offset, Dispatch, Start, Completion)

}