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An Event-B Specification of TCTM_flow_context @ Date: 31 Oct 2008 @ Time: 01:29:50
PM
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CONTEXT TCTM_flow_context

SETS

TC_SET
TM_SET
TC_BUFFER_ADDRESSES
TM_BUFFER_ADDRESSES
TCTM_POOL_ADDRESSES
TC_STATUS

CONSTANTS

Unchecked
Waiting_for_Execution
Successfully_Executed
Execution_Failed
Valid_TC

AXIOMS

axm1 : $TC_STATUS = \{Unchecked, Waiting_for_Execution, Successfully_Executed, Execution_Failed\}$
axm2 : $Unchecked \neq Waiting_for_Execution$
axm3 : $Unchecked \neq Successfully_Executed$
axm4 : $Unchecked \neq Execution_Failed$
axm5 : $Waiting_for_Execution \neq Successfully_Executed$
axm6 : $Waiting_for_Execution \neq Execution_Failed$
axm7 : $Successfully_Executed \neq Execution_Failed$
axm8 : $Valid_TC \in TC_SET \rightarrow BOOL$

END