

=====  
**An Event-B Specification of TCTM\_context @ Date: 24 Oct 2008 @ Time: 03:47:24 PM**  
=====

**CONTEXT** TCTM\_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**