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An Event-B Specification of Data @ Date: 15 May 2008 **@ Time:** 06:22:21 PM
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CONTEXT Data

SETS

TC_DATA
TM_DATA

CONSTANTS

Buffer_size
NIL
Valid
New_TM

AXIOMS

axm1 : $Buffer_size \in \mathbb{N}_1$
axm2 : $NIL \in TC_DATA$
axm3 : $Valid \in TC_DATA \rightarrow BOOL$
axm4 : $New_TM \in \mathbb{N}_1 \times \mathbb{N}_1 \times TC_DATA \rightarrow TM_DATA$
axm5 : $\forall x \cdot x \in \mathbb{N} \Rightarrow x \bmod Buffer_size \in 0 .. Buffer_size - 1$

END