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**An Event-B Specification of CSW\_modes\_context @ Date: 31 Oct 2008 @ Time: 01:30:19**  
PM  
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**CONTEXT** CSW\_modes\_context

**REFINES** Core\_SW\_context

**SETS**

*CSW\_MODES*

**CONSTANTS**

*CSW\_TC\_TRANSITIONS*

*CSW\_FDIR\_TRANSITIONS*

*CSW\_PSEUDO\_TC\_TRANSITIONS*

*csw\_standby*

**AXIOMS**

*axm1* :  $CSW\_TC\_TRANSITIONS \in \mathbb{P}_1(CSW\_MODES \times CSW\_MODES)$

*axm2* :  $id(CSW\_MODES) \subseteq CSW\_TC\_TRANSITIONS$

*axm3* :  $CSW\_FDIR\_TRANSITIONS \in \mathbb{P}_1(CSW\_MODES \times CSW\_MODES)$

*axm5* :  $CSW\_PSEUDO\_TC\_TRANSITIONS \in \mathbb{P}_1(CSW\_MODES \times CSW\_MODES)$

*axm9* :  $csw\_standby \in CSW\_MODES$

**END**