

CONTEXT CDIS_CONTEXT2

REFINES CDIS_CONTEXT

SETS

Date_time /* Introducing the abstract notion of date and time into the model */
Time_interval

CONSTANTS

time_interval
leq
last_update
creation_date
Rel_Page
release_date
dp_time

AXIOMS

axm1 : $time_interval \in Date_time \times Date_time \rightarrow Time_interval$ /* Defining basic prop-
erties of abstract Date/time constructs */
axm2 : $leq \in Date_time \leftrightarrow Date_time$
axm9 : $\forall t. (t \in Date_time \Rightarrow t \mapsto t \in leq)$
axm10 : $\forall t1, t2. (t1 \in Date_time \wedge t2 \in Date_time \wedge t1 \mapsto t2 \in leq \wedge t2 \mapsto t1 \in leq \Rightarrow t1 = t2)$
axm11 : $\forall t1, t2. (t1 \in Date_time \wedge t2 \in Date_time \Rightarrow (t1 \mapsto t2 \in leq \vee t2 \mapsto t1 \in leq))$
axm12 : $\forall t1, t2, t3. (t1 \in Date_time \wedge t2 \in Date_time \wedge t3 \in Date_time \wedge t1 \mapsto t2 \in leq \wedge t2 \mapsto$
 $t3 \in leq \Rightarrow t1 \mapsto t3 \in leq)$
axm4 : $last_update \in Attrs \rightarrow Date_time$
axm6 : $creation_date \in Page \rightarrow Date_time$
axm7 : $Rel_Page \subseteq Page$
axm8 : $release_date \in Rel_Page \rightarrow Date_time$
axm13 : $dp_time \in Disp_params \rightarrow Date_time$

END