

CONTEXT CDIS_CONTEXT6

REFINES CDIS_CONTEXT5

SETS

MESG

CONSTANTS

Wind_speed_id
Wind_speed_value
speed
AV_WIND_SPEED
MIN_WIND_SPEED
MAX_WIND_SPEED
Wind_direction_id
Wind_direction_value
direction
AV_WIND_DIR
MIN_WIND_DIR
MAX_WIND_DIR
db0
conform
Update_failed
Update_successful

AXIOMS

axm12 : $Wind_speed_id \subseteq Attr_id$
axm1 : $Wind_speed_value \subseteq Attr_value$
axm4 : $speed \in Wind_speed_value \rightarrow 0 \dots 99$
axm20 : $Wind_direction_id \subseteq Attr_id$
axm2 : $Wind_direction_value \subseteq Attr_value$
axm5 : $direction \in Wind_direction_value \rightarrow 0 \dots 359$
axm21 : $Wind_speed_id \cap Wind_direction_id = \emptyset$
axm3 : $Wind_speed_value \cap Wind_direction_value = \emptyset$
axm22 : \top
axm15 : $conform \in Attr_id \leftrightarrow Attr_value$
axm18 : $conform[Wind_speed_id] = Wind_speed_value$
axm19 : $conform[Wind_direction_id] = Wind_direction_value$
axm16 : \top
axm6 : $AV_WIND_SPEED \subseteq Wind_speed_id$
axm7 : $MAX_WIND_SPEED \subseteq Wind_speed_id$
axm8 : $MIN_WIND_SPEED \subseteq Wind_speed_id$
axm9 : $AV_WIND_SPEED \cap MAX_WIND_SPEED = \emptyset$
axm10 : $AV_WIND_SPEED \cap MIN_WIND_SPEED = \emptyset$
axm11 : $MAX_WIND_SPEED \cap MIN_WIND_SPEED = \emptyset$
axm17 : \top
axm13 : $db0 \in Attr_id \rightarrow Attrs$
axm14 : $\forall ai \cdot ai \in Attr_id \Rightarrow value(db0(ai)) \in conform$
axm23 : $MESG = \{Update_failed, Update_successful\}$
axm24 : $Update_failed \neq Update_successful$

$axm25 : \top$
 $axm26 : AV_WIND_DIR \in Wind_direction_id$
 $axm27 : MIN_WIND_DIR \in Wind_direction_id$
 $axm28 : MAX_WIND_DIR \in Wind_direction_id$

END