

MACHINE M.Part.Trans

SEES C.Part.Proc.Trans

VARIABLES

partition_mode

INVARIANTS

inv_part_mode: partition_mode \in PARTITIONS \rightarrow PARTITION_MODES

EVENTS

Initialisation

begin

act001: partition_mode := PARTITIONS \times {PM_COLD_START}

end

Event partition_mode_transition *(ordinary)* $\hat{=}$

any

part

newm

where

grd001: part \in PARTITIONS

grd002: newm \in PARTITION_MODES

grd003: partition_mode(part) = PM_IDLE \Rightarrow newm = PM_WARM_START \vee newm = PM_COLD_START

grd004: partition_mode(part) = PM_COLD_START \Rightarrow newm = PM_IDLE \vee newm = PM_COLD_START \vee newm = PM_NORMAL

grd005: partition_mode(part) = PM_WARM_START \Rightarrow newm = PM_IDLE \vee newm = PM_COLD_START \vee newm = PM_WARM_START \vee newm = PM_NORMAL

grd006: partition_mode(part) = PM_NORMAL \Rightarrow newm = PM_IDLE \vee newm = PM_COLD_START \vee newm = PM_WARM_START

then

act001: partition_mode(part) := newm

end

END