

$Receive(m) \triangleq$

$\wedge \text{Shared}.macTimer = 0$

$\wedge \text{CASE } m.type = \text{"hard"} \rightarrow RecvHard(m)$

$\square m.type = \text{"soft"} \rightarrow RecvSoft(m)$

$RecvSoft(m) \triangleq$

$\wedge \text{LET } lastSoft \triangleq \wedge 2 * delta \leq \text{Shared}.chipTimer$

$\wedge \text{Shared}.chipTimer \leq deltaChip$

$\wedge \forall j \in Proc : ProcState[j].token = -1$

$\text{IN } \text{Shared}' = [\text{Shared} \text{ EXCEPT}$

$!.medium = \{\},$

$!.macTimer = \text{IF } lastSoft \text{ THEN } Infinity \text{ ELSE } @,$

$!.proc = \text{IF } lastSoft \text{ THEN } \{\} \text{ ELSE } @]$

$\wedge ProcState' = [j \in (Proc \setminus \text{Shared}.proc) \cup \{m.id\} \mapsto ProcState[j]] @@$

$[j \in \text{Shared}.proc \setminus \{m.id\} \mapsto [ProcState[j] \text{ EXCEPT}$

$!.token = next(@, \text{Shared}.proc),$

$!.count = @ + 1]]$

$\wedge \text{UNCHANGED } \langle TaskState, History \rangle$