

$$\text{SendElem}(t) \triangleq$$

$$\wedge \text{Shared.medium} = \{\}$$

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

$$\wedge \text{LET } i \triangleq \text{taskId}(t)$$

$$\text{flag} \triangleq \text{IF } \text{ProcState}[i].\text{list} \neq \langle \rangle \text{ THEN } 1 \text{ ELSE } 0$$

$$\text{IN } \wedge \text{Shared.chipCount} = i$$

$$\wedge \text{LET } \text{resSet} \triangleq \text{reservation}(i)$$

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

$$\quad \text{!.macTimer} = \text{delta},$$

$$\quad \text{!.medium} = \{[id \mapsto i, \text{type} \mapsto \text{"hard"},$$

$$\quad \text{res} \mapsto \text{resSet}, \text{procFlag} \mapsto \text{flag}]\}$$

$$\wedge \text{TaskState}' = [\text{TaskState} \text{ EXCEPT}$$

$$\quad \text{![i].res} = [j \in \text{Task} \mapsto \text{IF } j \in \text{resSet} \text{ THEN } i \text{ ELSE } @[j]],$$

$$\quad \text{![i].cons} = 1]$$

$$\wedge \text{ProcState}' = [\text{ProcState} \text{ EXCEPT}$$

$$\quad \text{![i].token} = \text{IF } \text{flag} = 0 \text{ THEN } -1 \text{ ELSE } @]$$

$$\wedge \text{History}' = [\text{History} \text{ EXCEPT } \text{!.elem} = @ + 1]$$