

ecl-precond-compatible^{0,22}

$\forall i:\text{Id}, ds:x:\text{Id fp} \rightarrow \text{Type}, da:k:\text{Knd fp} \rightarrow \text{Type}, A:\text{ecl}(ds;da), snd:\text{msg-spec}(ds;da),$
 $upd:\text{update-spec}(ds;da).$
 $\text{update-spec-decl}(upd;ds)$
 $\Rightarrow \text{msg-spec-loc-decl}(snd;i;da)$
 $\Rightarrow \neg \text{ecl} \in \text{dom}(ds)$
 $\Rightarrow \text{R-Feasible}(\text{ecl-machine at } i \text{ with state ecl}$

A

state variables ds

actions da

sends snd

updates upd)

$\Rightarrow (\forall a:\text{Id}, ds_2:x:\text{Id fp} \rightarrow \text{Type}, T:\text{Type}, P:(\text{State}(ds_2) \rightarrow T \rightarrow \text{Prop}).$
 $\neg \text{ecl} \in \text{dom}(ds_2)$
 $\Rightarrow ds \parallel ds_2$
 $\Rightarrow \text{locl}(a) \in \text{dom}(da)$
 $\Rightarrow T = da(\text{locl}(a))$
 $\Rightarrow \text{ecl-machine at } i \text{ with state ecl}$

A

state variables ds

actions da

sends snd

updates $upd \parallel @i$ precondition for $a(v:T):P \text{ State}(ds_2) v$)