

Reffect-compat^{0,22}

$\forall A:\text{Realizer}, ds:x:\text{Id} \text{ fp} \rightarrow \text{Type}, i, x:\text{Id}, T, T':\text{Type}, k:\text{Knd}, f:(\text{State}(x : T \oplus ds) \rightarrow T' \rightarrow T).$
R-Feasible(A)
 $\Rightarrow \neg x \in \text{dom}(\text{R-state}(A;i))$
 $\Rightarrow ds \parallel \text{R-state}(A;i)$
 $\Rightarrow (\text{isrcv}(k) \Rightarrow \text{R-da}(A;\text{source}(\text{lnk}(k)))(k)?\text{Void} \subseteq \rho T')$
 $\Rightarrow (k \in \text{dom}(\text{R-da}(A;i)) \Rightarrow T' = \text{Valtype}(\text{R-da}(A;i;k)))$
 $\Rightarrow \neg \text{write-restricted}(A;i;k)$
 $\Rightarrow (\forall y:\text{Id}. y \in \text{dom}(x : T \oplus ds) \Rightarrow \neg \text{read-restricted}(A; i; y))$
 $\Rightarrow @i \text{ effect } k(v:T') x := f \text{ State}(x : T \oplus ds) \vee \parallel A$