

es-triggers-params-consistent^{11,40}

$\text{es-triggers-params-consistent}(es; A; i; ds; conds)$
 $\equiv_{\text{def}} (\forall k:\text{Kind}. (\uparrow k \in \text{dom}(conds)) \Rightarrow (\uparrow \text{hasloc}(k; i)))$
 $\& (\forall e:\text{E}.$
 $\quad (\text{loc}(e) = i) \Rightarrow (\uparrow \text{kind}(e) \in \text{dom}(conds)) \Rightarrow (\text{valtype}(e) \subseteq_{\text{r}} (conds(\text{kind}(e)).1)))$
 $\& ((\exists k:\text{Kind}. (\uparrow k \in \text{dom}(conds))) \Rightarrow (\text{state}@i \subseteq_{\text{r}} \text{State}(ds)))$

clarification:

$\text{es-triggers-params-consistent}(es; A; i; ds; conds)$
 $\equiv_{\text{def}} (\forall k:\text{Kind}. (\uparrow \text{fpf-dom}(\text{KindDeq}; k; conds)) \Rightarrow (\uparrow \text{hasloc}(k; i)))$
 $\& (\forall e:\text{es-E}(es).$
 $\quad (\text{es-loc}(es; e) = i \in \text{Id})$
 $\quad \Rightarrow (\uparrow \text{fpf-dom}(\text{KindDeq}; \text{es-kind}(es; e); conds))$
 $\quad \Rightarrow (\text{es-valtype}(es; e) \subseteq_{\text{r}} (conds\text{KindDeq}(\text{es-kind}(es; e)).1)))$
 $\& ((\exists k:\text{Kind}. (\uparrow \text{fpf-dom}(\text{KindDeq}; k; conds))) \Rightarrow (\text{es-state}(es; i) \subseteq_{\text{r}} \text{State}(ds)))$