

sender-glues-trigger^{11,40}

$\forall es:ES, A, triggerV:Type, l:IdLnk, tg:Id, knd:Knd, ds:x:Id \text{ fp} \rightarrow Type,$
 $cond:(State(ds) \rightarrow triggerV \rightarrow (A + Top)).$
 $(\forall e:E. (kind(e) = rcv(l, tg) \in Knd) \Rightarrow (valtype(e) \subseteq_r A))$
 $\Rightarrow (\forall e:E.$
 $\quad (loc(e) = source(l) \in Id)$
 $\quad \Rightarrow (kind(e) = knd)$
 $\quad \Rightarrow ((valtype(e) \subseteq_r triggerV) \ \& \ (state@loc(e) \subseteq_r State(ds))))$
 $\Rightarrow (\forall p:(\forall e:E.$
 $\quad Dec((\uparrow isrcv(e))$
 $\quad \ \& \ lnk(e) = l$
 $\quad \ \& \ loc(sender(e)) = source(l) \in Id$
 $\quad \ \& \ kind(sender(e)) = knd)).$
 $knd(v:triggerV) \text{ sends on } l \ [tg:A, \lambda p.let \ s, v = p \text{ in } cond(s, v) <state, v>]?)$
 $\Rightarrow \text{glues}(es;$
 $\quad A;$
 $\quad (\lambda e.sender(e));$
 $\quad (\lambda e.outl(cond((state \text{ when } e), val(e))));$
 $\quad es-trigger(es; source(l); knd; ds; cond);$
 $\quad (es-in-port(es; l; tg)|p))$