ESAxioms_wf[11,40]

$\forall E$:Type$\{$i$\}$, T, V:(Id$\rightarrow$Id$\rightarrow$Type$\{$i$\}$), M:(IdLnk$\rightarrow$Id$\rightarrow$Type$\{$i$\}$), loc:($E\rightarrow$Id), $kind$:($E\rightarrow$Knd),
  val:(e:$E\rightarrow$eventtype($kind$;loc;V;M;e)), $when$, $after$:(x:Id$\rightarrow e$:$E\rightarrow \mathbb{Q} \rightarrow T(loc(e),x)$),
  $time$:($E\rightarrow \mathbb{Q}$), $sends$:(l:IdLnk$\rightarrow E\rightarrow$(Msg_sub(l;M) List)),
  $sender$:($\{e$:$E|$ $\uparrow$isrcv($kind(e)$)$\} \rightarrow E$),
  $index$:(e:$\{e$:$E|$ $\uparrow$isrcv($kind(e)$)$\} \rightarrow \{$0..$\|sends($lnk$(kind(e))$,$sender(e))\|^-\}$), $first$:($E\rightarrow \mathbb{B}$),
  $pred$:($\{e'$:$E|$ $\neg(\uparrow(first(e')))\} \rightarrow E$), $causl$:($E\rightarrow E\rightarrow \mathbb{P}\{i\}$).
ESAxioms$\{$i:l$\}$
          (E;
          T;
          M;
          loc;
          $kind$;
          val;
          $when$;
          $after$;
          $time$;
          $sends$;
          $sender$;
          $index$;
          $first$;
          $pred$;
          $causl$)
$\in \mathbb{P}\{$i'$\}$