SESAxioms^{0,22}

SESAxioms{i:l}
$\quad (E;\ T;\ \mathit{pred}?;\ \mathit{info};\ \mathit{when};\ \mathit{after})$
$\equiv_{\text{def}}\ (\forall e{:}E,\ l{:}\text{IdLnk}.$
$\quad \exists e'{:}E.$
$\quad \forall e''{:}E.$
$\quad \text{rcv?}(e'')$
$\quad \Rightarrow \text{sender}(e'') = e$
$\quad \Rightarrow \text{link}(e'') = l$
$\quad \Rightarrow e'' = e' \vee e'' < e' \ \&\ \text{loc}(e') = \text{destination}(l))$
$\quad \&\ (\forall e,\ e'{:}E.\ \text{loc}(e) = \text{loc}(e') \Rightarrow \mathit{pred}?(e) = \mathit{pred}?(e') \Rightarrow e = e')$
$\quad\ \&\ \text{SWellFounded}(\text{pred!}(e;e'))$
$\quad\ \&\ (\forall e{:}E.\ \neg\text{first}(e) \Rightarrow \text{loc}(\text{pred}(e)) = \text{loc}(e))$
$\quad\ \&\ (\forall e{:}E.\ \text{rcv?}(e) \Rightarrow \text{loc}(\text{sender}(e)) = \text{source}(\text{link}(e)))$
$\quad\ \&\ (\forall e,\ e'{:}E.$
$\quad\quad \text{rcv?}(e) \Rightarrow \text{rcv?}(e') \Rightarrow \text{link}(e) = \text{link}(e') \Rightarrow \text{sender}(e) < \text{sender}(e') \Rightarrow e < e')$
$\quad\ \&\ (\forall e{:}E.\ \neg\text{first}(e) \Rightarrow (\forall x{:}\text{Id}.\ \mathit{when}(x,e) = \mathit{after}(x,\text{pred}(e))))$

clarification:

SESAxioms{i:l}
$\quad (E;\ T;\ \mathit{pred}?;\ \mathit{info};\ \mathit{when};\ \mathit{after})$
$\equiv_{\text{def}}\ (\forall e{:}E,\ l{:}\text{IdLnk}.$
$\quad \exists e'{:}E.$
$\quad \forall e''{:}E.$
$\quad \text{rcv?}(\mathit{info};e'')$
$\quad \Rightarrow \text{sender}(\mathit{info};e'') = e \in E$
$\quad \Rightarrow \text{link}(\mathit{info};e'') = l \in \text{IdLnk}$
$\quad \Rightarrow e'' = e' \in E \vee \text{class}(E;\mathit{pred}?;\mathit{info};e'';e') \ \&\ \text{loc}(\mathit{info};e') = \text{destination}(l) \in \text{Id})$
$\quad \&\ (\forall e{:}E,\ e'{:}E.$
$\quad\quad \text{loc}(\mathit{info};e) = \text{loc}(\mathit{info};e') \in \text{Id} \Rightarrow \mathit{pred}?(e) = \mathit{pred}?(e') \in E{+}\text{Unit} \Rightarrow e = e' \in E)$
$\quad\ \&\ \text{strongwellfounded}(E;\ e,e'.\text{pred!}(E;\mathit{pred}?;\mathit{info};e;e'))$
$\quad\ \&\ (\forall e{:}E.\ \neg\text{first}(\mathit{pred}?;e) \Rightarrow \text{loc}(\mathit{info};\text{pred}(\mathit{pred}?;e)) = \text{loc}(\mathit{info};e) \in \text{Id})$
$\quad\ \&\ (\forall e{:}E.\ \text{rcv?}(\mathit{info};e) \Rightarrow \text{loc}(\mathit{info};\text{sender}(\mathit{info};e)) = \text{source}(\text{link}(\mathit{info};e)) \in \text{Id})$
$\quad\ \&\ (\forall e{:}E,\ e'{:}E.$
$\quad\quad \text{rcv?}(\mathit{info};e)$
$\quad\quad \Rightarrow \text{rcv?}(\mathit{info};e')$
$\quad\quad \Rightarrow \text{link}(\mathit{info};e) = \text{link}(\mathit{info};e') \in \text{IdLnk}$
$\quad\quad \Rightarrow \text{class}(E;\mathit{pred}?;\mathit{info};\text{sender}(\mathit{info};e);\text{sender}(\mathit{info};e'))$
$\quad\quad \Rightarrow \text{class}(E;\mathit{pred}?;\mathit{info};e;e'))$
$\quad\ \&\ (\forall e{:}E.$
$\quad\quad \neg\text{first}(\mathit{pred}?;e)$
$\quad\quad \Rightarrow (\forall x{:}\text{Id}.\ \mathit{when}(x,e) = \mathit{after}(x,\text{pred}(\mathit{pred}?;e)) \in T(\text{loc}(\mathit{info};e),x)))$

http://www.cs.cornell.edu/Info/Projects/NuPrl/FDLcontent/p0_286125_/p19_312356_{SESAxioms}.html