

$$\begin{aligned}
\textit{process} &::= \textit{protocol_decl}^? \textit{property_decl}^? \textit{rule_decl}^? \\
\textit{protocol_decl} &::= \mathbf{event} (\textit{event_name} ;)^+ \\
&\quad \mathbf{protocol} (\textit{protocol} ; ;)^+ \\
\textit{protocol} &::= \textit{event_name} \mid \textit{protocol} ; \textit{protocol} \\
&\quad \mid \textit{protocol} + \textit{protocol} \mid \textit{protocol} * \mid (\textit{protocol}) \\
\textit{property_decl} &::= \mathbf{variable} (\textit{var_name} ;)^+ \\
&\quad \mathbf{property} (\textit{ldl_formula} ;)^+ \\
\textit{rule_decl} &::= \mathbf{rule} (\textit{rule} ;)^+ \\
&\quad \textit{rule} ::= \mathbf{on} \textit{event_name} \\
&\quad \quad \mathbf{when} \textit{context} \\
&\quad \quad \textit{action}^+ \\
\textit{context} &::= \textit{proposition} \mid \langle \textit{ldl_path} \rangle \textit{context} \\
\textit{action} &::= \mathbf{ensure} \textit{ldl_formula} \\
&\quad \mid \mathbf{raise} \textit{event_name} (+ \textit{event_name})^*
\end{aligned}$$