MODULE *AbsJupiter*

VARIABLES *copss* — *copss*[*r*]: the set of context-based operations maintained at replia *r*

$$
\begin{array}{l}
Perform(r,\ cop) \triangleq \text{LET } xform \triangleq xForm(r,\ cop) \quad xform : [xcop, xcopss] \\
\qquad\qquad\qquad\qquad \text{IN} \quad \land\ copss' = [copss \text{ EXCEPT } ![r] = xform.xcopss] \\
\qquad\qquad\qquad\qquad\qquad \land \quad \text{apply } xform.xcop.op \text{ to } list[r] \\
Do(c,\ op) \triangleq \text{LET } cop \triangleq [op \mapsto op,\ oid \mapsto [c \mapsto c,\ seq \mapsto cseq[c]],\ ctx \mapsto ds[c]] \\
\qquad\qquad \text{IN} \quad \land\ copss = [copss \text{ EXCEPT } ![c] = @ \cup \{cop\}] \\
\qquad\qquad\qquad \land \quad \text{apply } op \text{ to } list[c]\text{; send } cop \text{ to the } Server \\
Rev(c,\ cop) \triangleq Perform(c,\ cop) \\
SRev(cop) \triangleq \land\ Perform(Server,\ cop) \\
\qquad\qquad \land \quad \text{broadcast } cop \text{ to clients other than } ClientOf(cop)
\end{array}
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