

MODULE <i>ReliableNetwork</i>
EXTENDS <i>BasicNetwork</i> , <i>Message</i>
$Rvars \triangleq \langle incoming, lmsg, dmsg \rangle$
$RInit \triangleq \wedge NInit$ $\qquad \qquad \wedge MInit$
$RBroadcast(r, m) \triangleq \wedge NBroadcast(r, m)$ $\qquad \qquad \wedge MBroadcast$
$RDeliver(r) \triangleq$ $\quad \wedge incoming[r] \neq EmptyBag$ $\quad \wedge \exists m \in BagToSet(incoming[r]) :$ $\quad \quad \wedge \neg IfDeliverMsg(m, r)$ $\quad \quad \wedge lmsg' = m$ $\quad \quad \wedge MDeliver(r, m)$ $\quad \wedge UNCHANGED \langle incoming \rangle$
$RDo \triangleq UNCHANGED Rvars$

\ \* Modification History  
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