─────────── MODULE $E2Node$ ───────────

EXTENDS RIC, SB

The set of all $E2$ nodes
CONSTANT $E2Node$

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$InitE2NodeVars \triangleq$ TRUE

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$E2NodeSendE2SetupRequest(n, c) \triangleq$
$\quad \wedge SBSend(c, [type \mapsto E2Setup])$
$\quad \wedge$ UNCHANGED $\langle\rangle$

$E2NodeHandleE2SetupResponse(n, c, m) \triangleq$
$\quad \wedge SBReceive(c)$
$\quad \wedge$ UNCHANGED $\langle\rangle$

$E2NodeHandleMessage(c) \triangleq$
$\quad \wedge Len(sbConn[c].messages) > 0$
$\quad \wedge$ LET $m \triangleq sbConn[c].messages[1]$ IN
$\quad\quad\quad \wedge \vee \wedge m.type = E2SetupResponse$
$\quad\quad\quad\quad\quad \wedge E2NodeHandleE2SetupResponse(sbConn[c].e2node, c, m)$
$\quad\quad\quad \wedge$ UNCHANGED $\langle\rangle$

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$E2NodeNext \triangleq$
$\quad \vee \exists n \in E2Node, r \in RICNode :$
$\quad\quad SBConnect(n, r)$
$\quad \vee \exists c \in$ DOMAIN $sbConn :$
$\quad\quad E2NodeHandleMessage(c)$

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