$\overline{}$ MODULE $E2Node$ $\overline{}$

EXTENDS API

LOCAL INSTANCE $Naturals$

LOCAL INSTANCE $Sequences$

LOCAL INSTANCE $FiniteSets$

CONSTANT $Nodes$

ASSUME $\wedge IsFiniteSet(Nodes)$
$\wedge \forall n \in Nodes : n \in$ STRING

$\overline{}$ MODULE $Store$ $\overline{}$

$Init \triangleq$ TRUE

$Next \triangleq$ FALSE

$\rule{0pt}{0pt}$

LOCAL $Store \triangleq$ INSTANCE $Store$

$\overline{}$ MODULE NB $\overline{}$

$SendE2SetupRequest(c) \triangleq$
$\quad \wedge API!E2AP!Client!Send!E2SetupRequest(c, [foo \mapsto \text{"bar"}])$

$HandleE2SetupResponse(c, m) \triangleq$
$\quad \wedge$ UNCHANGED $\langle\rangle$

$Init \triangleq$
$\quad \wedge$ TRUE

$Next \triangleq$
$\quad \vee \exists n \in Nodes, s \in API!E2AP!Servers : API!E2AP!Client!Connect(n, s)$
$\quad \vee \exists c \in API!E2AP!Connections : API!E2AP!Client!Disconnect(c)$
$\quad \vee \exists c \in API!E2AP!Connections :$
$\quad\quad \vee SendE2SetupRequest(c)$
$\quad\quad \vee API!E2AP!Client!Receive!E2SetupResponse(c, HandleE2SetupResponse)$

$\rule{0pt}{0pt}$

LOCAL $NB \triangleq$ INSTANCE NB

$\rule{0pt}{0pt}$

$Init \triangleq$
$\quad \wedge NB!Init$

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$\land$ *Store*!*Init*

$Next \triangleq$
 $\lor NB!Next$
 $\lor Store!Next$