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┌────────────────────────────────── MODULE E2Node ───────────────────────────────────┐
EXTENDS API

LOCAL INSTANCE Naturals

LOCAL INSTANCE Sequences

LOCAL INSTANCE FiniteSets

CONSTANT Nodes

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

vars  $\triangleq \langle \rangle$ 

┌────────────────────────────────── MODULE Store ───────────────────────────────────┐
Init  $\triangleq \text{TRUE}$ 

Next  $\triangleq \text{FALSE}$ 

└──────────────────────────────────┘

LOCAL Store  $\triangleq$  INSTANCE Store

┌────────────────────────────────── MODULE NB ───────────────────────────────────┐
SendE2SetupRequest(c)  $\triangleq$ 
   $\wedge API!E2AP!Client!Send!E2SetupRequest(c, [foo \mapsto "bar"])$ 
   $\wedge \text{UNCHANGED } \langle e2tApiVars, topoApiVars \rangle$ 

HandleE2SetupResponse(c, m)  $\triangleq$ 
   $\wedge \text{UNCHANGED } \langle e2tApiVars, topoApiVars \rangle$ 

Init  $\triangleq$ 
   $\wedge \text{TRUE}$ 

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

└──────────────────────────────────┘

LOCAL NB  $\triangleq$  INSTANCE NB

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$$Init \triangleq$$

$$\wedge NB!Init$$

$$\wedge Store!Init$$

$$Next \triangleq$$

$$\vee NB!Next$$

$$\vee Store!Next$$


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\ \* Modification History  
 \ \* Last modified Sat Aug 14 12:20:15 PDT 2021 by jordanhalterman  
 \ \* Created Tue Aug 10 04:55:53 PDT 2021 by jordanhalterman