

Personal Mobile Router

NEMO WG, IETF 67

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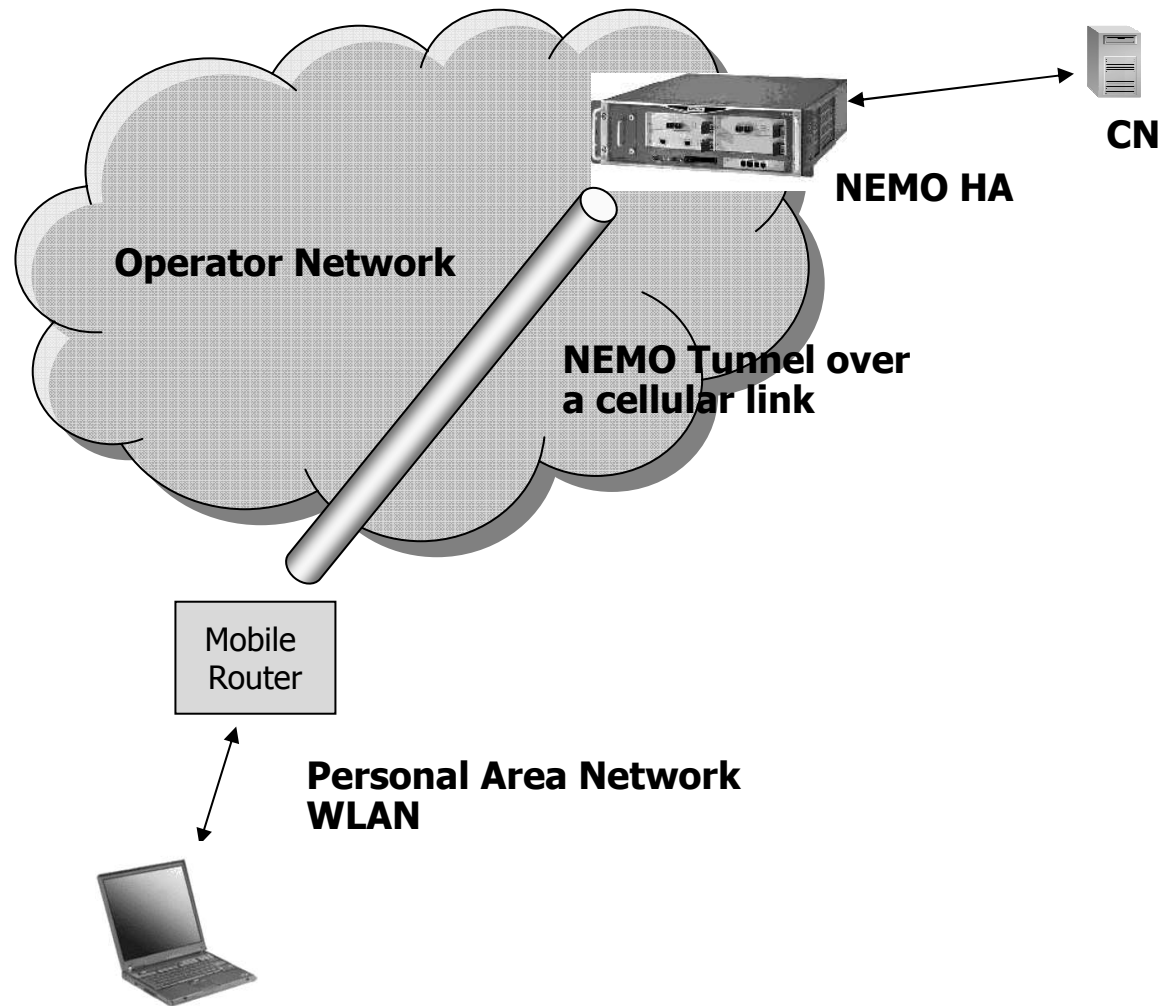
Goal

- Show an use case for NEMO in the personal mobile router space

Personal Mobile Router

- Could be a cell phone or a wireless router
 - Uplink is a cellular link
 - Downlink would be WLAN/Bluetooth/etc
- Acts as a personal gateway for each user providing connectivity and mobility to devices owned by the user
- Operator configured

Personal Mobile Router



Current Situation

- Many such devices are available in the market today
 - IPv4
 - Typical solution is to use a NAT on the mobile router
- A solution would be needed for IPv6
 - Many CDMA operators plan to use MIPv6
 - Not enough MIPv4 home addresses to hand out
 - NEMO is a candidate here

Route Optimization

- Route optimization would be nice to have between two personal mobile routers
 - Otherwise all traffic between two mobile routers goes through the Operator home agent all the time
 - “Local breakout” is an attractive feature
- Good thing is that both mobile routers belong to the operator and are configured by the operator
 - Makes the solution a bit easier
 - These are not two random mobile routers