Possible Solutions for Fast Handoff – feasibility of L2 Trigger for FMIP and L2 mobility support

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FMIP(v6)

- Demands L2triggers
  - LinkUP
  - Link Down
  - Mobile Trigger
  - Source Network Trigger
  - Target Network Trigger

However…How?

○ Needs an anticipation mechanism of mobile host movement basically based on signal strength measurement

- 11k defines only measurement interface and MIB structure so far
- How AP candidates information are integrated especially in case of overlay network?
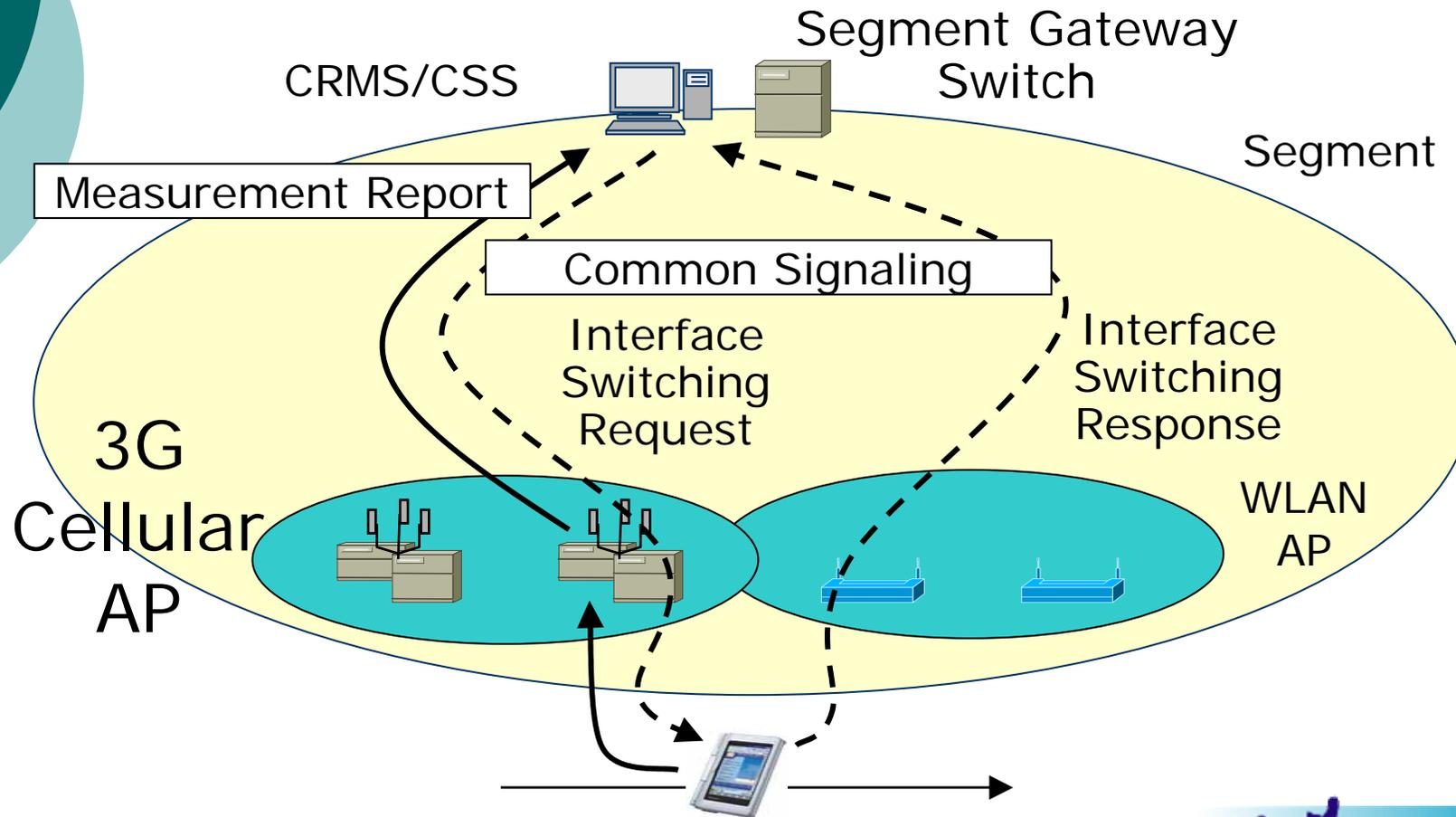
..and How?

- ○ ARs tell their MAC address Each other

Maybe..

- ARs Need protocols to exchange Radio link status information with each other and respective AP links
- Those could be L2 triggers the 802.21 should provide…
  - Seems difficult to define generic interface across various radio systems (even within the 802 family)
- L2 triggering is not easy!

Another Approach – Mobile Ethernet

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Mobile Ethernet

- Could be more straightforward approach
- Can be applicable as a base system for L2 triggering mechanism

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