

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?

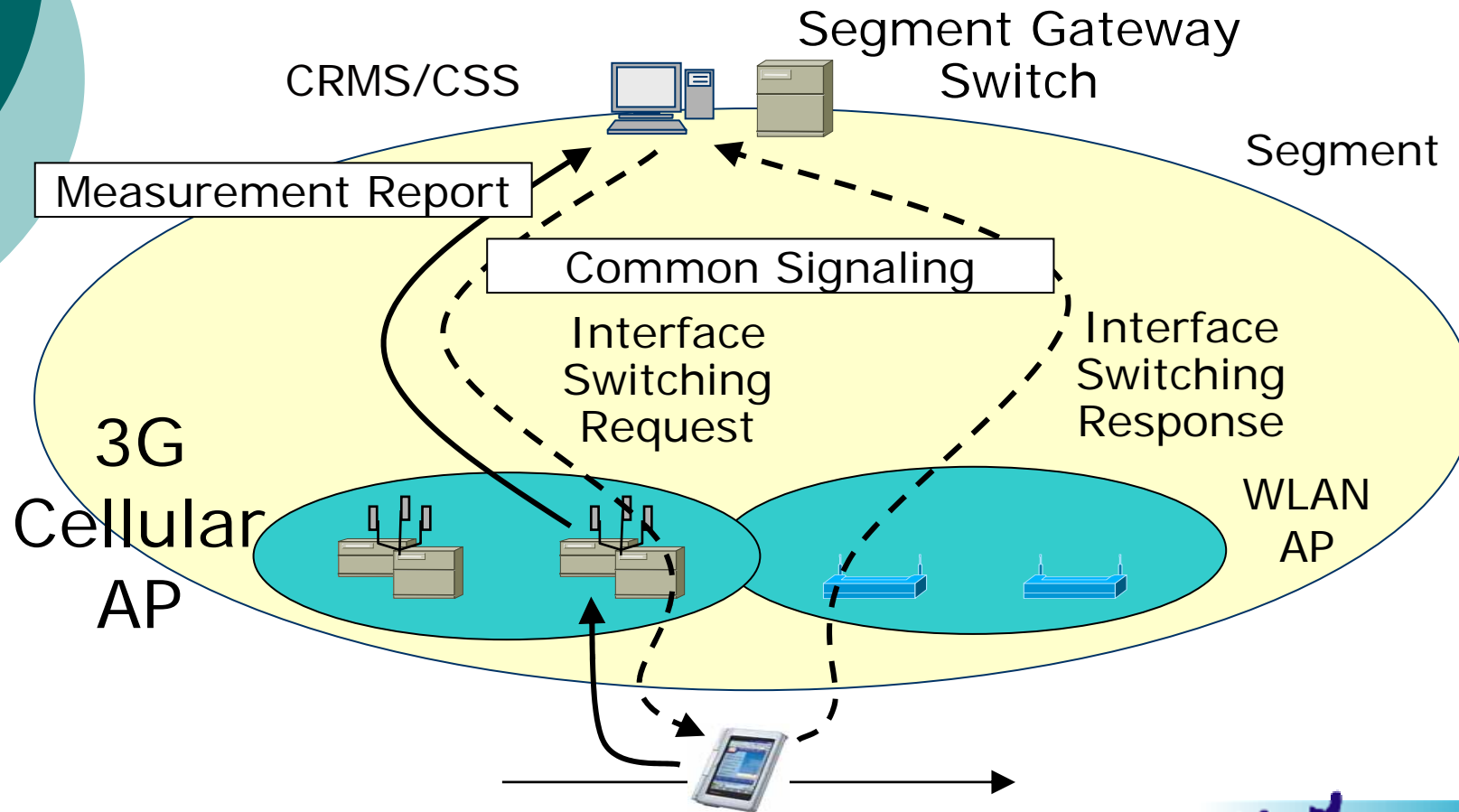
- ARs tell their MAC address Each other



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





Mobile Ethernet

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