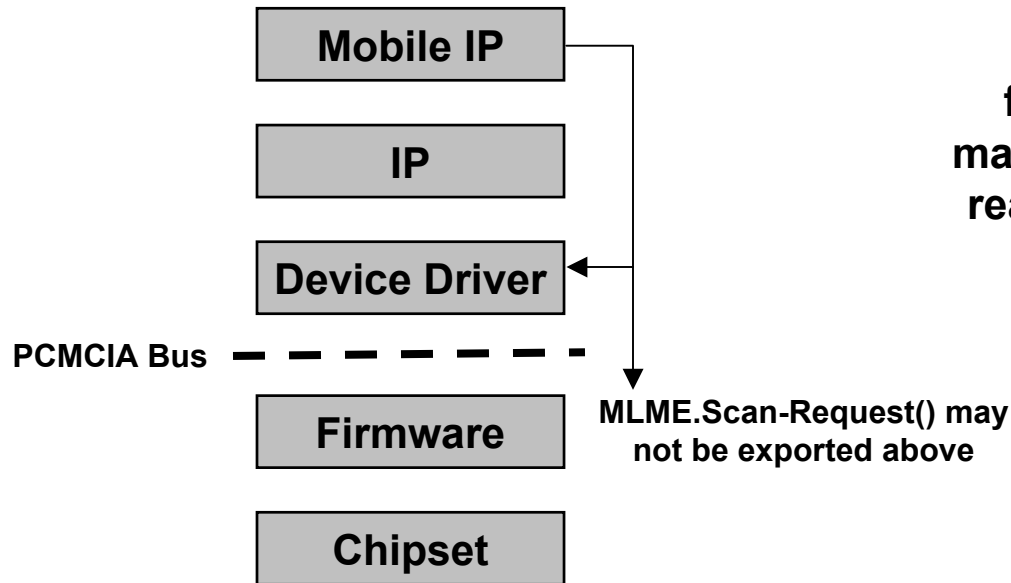


Fast Handovers for 802.11

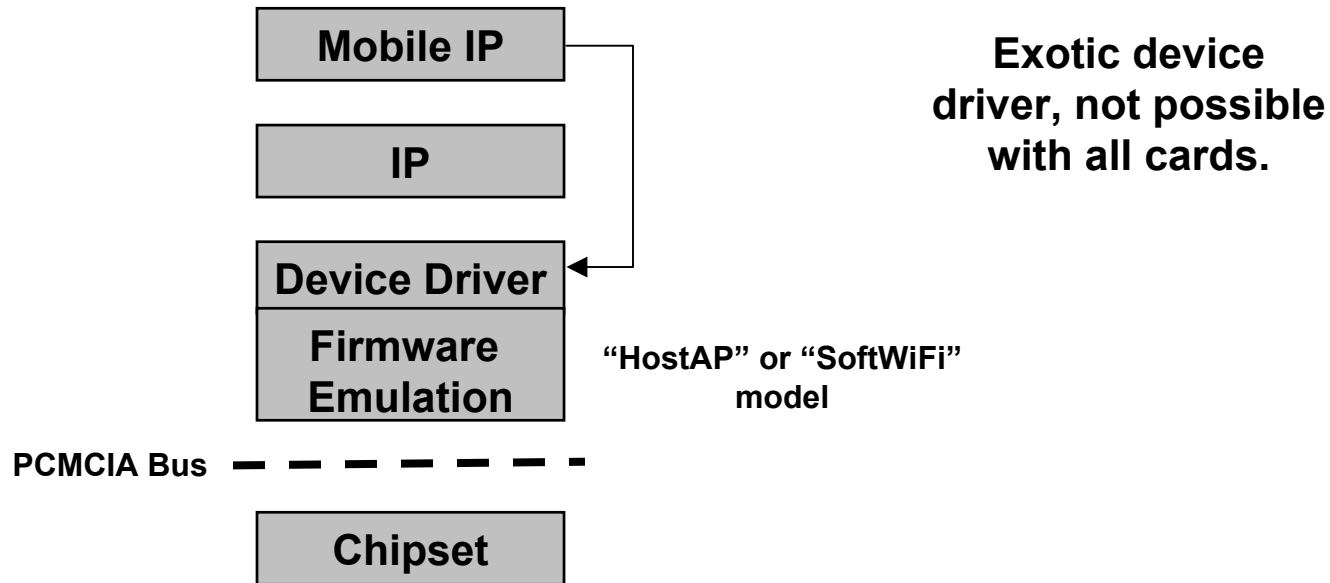
`draft-mccann-mobileip-80211fh-01.txt`

Anticipation is Difficult...



**Usually, the
firmware/driver
makes autonomous,
real-time handover
decisions.**

But Not Impossible



But I'm Doing it in the Lab!

- Are these experiments implementing the exotic device driver?
- Is the SNR information really real-time?
- Or is it just updated every few seconds?

Can we resolve this here during face-to-face discussion?

802.11 Triggers

- Reassociation Request
 - Contains old AP, new AP MAC address
 - Enables IAPP operation
- Security
 - WEP? (not secure)
 - 802.1X? (secure, but not fast across subnets)
 - PANA? (not ready yet)

Next Steps

- Need more work in IEEE
 - Fast, secure, inter-subnet L2 triggers
 - Perhaps implement “tunnel based” between APs
 - Improve beacon scanning time
- Is anticipation realistic for 802.11?
- Relationship of PrRtSol/Adv to CARD?
- Fate of draft-80211fh
 - WG item? Needs updating to reflect fast-05 (or -06...)