



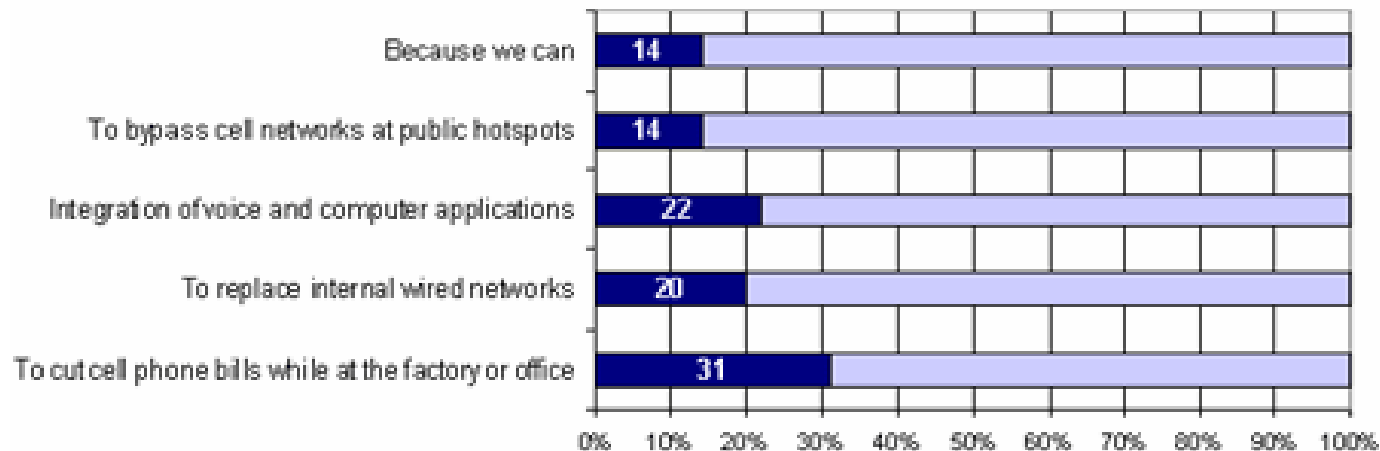
VoWLAN: The Next Killer App

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The VoWLAN Market

- VoWLAN market will reach \$507 million (end user revenue) by 2007 (*In Stat/MDR*)
- VoWLAN handset will grow by more than 89 percent annually until 2007 when there will be more than 653,000 (*On world*)
- Why VoWLAN?



Source: Unstrung, 2004

VoWLAN Drivers

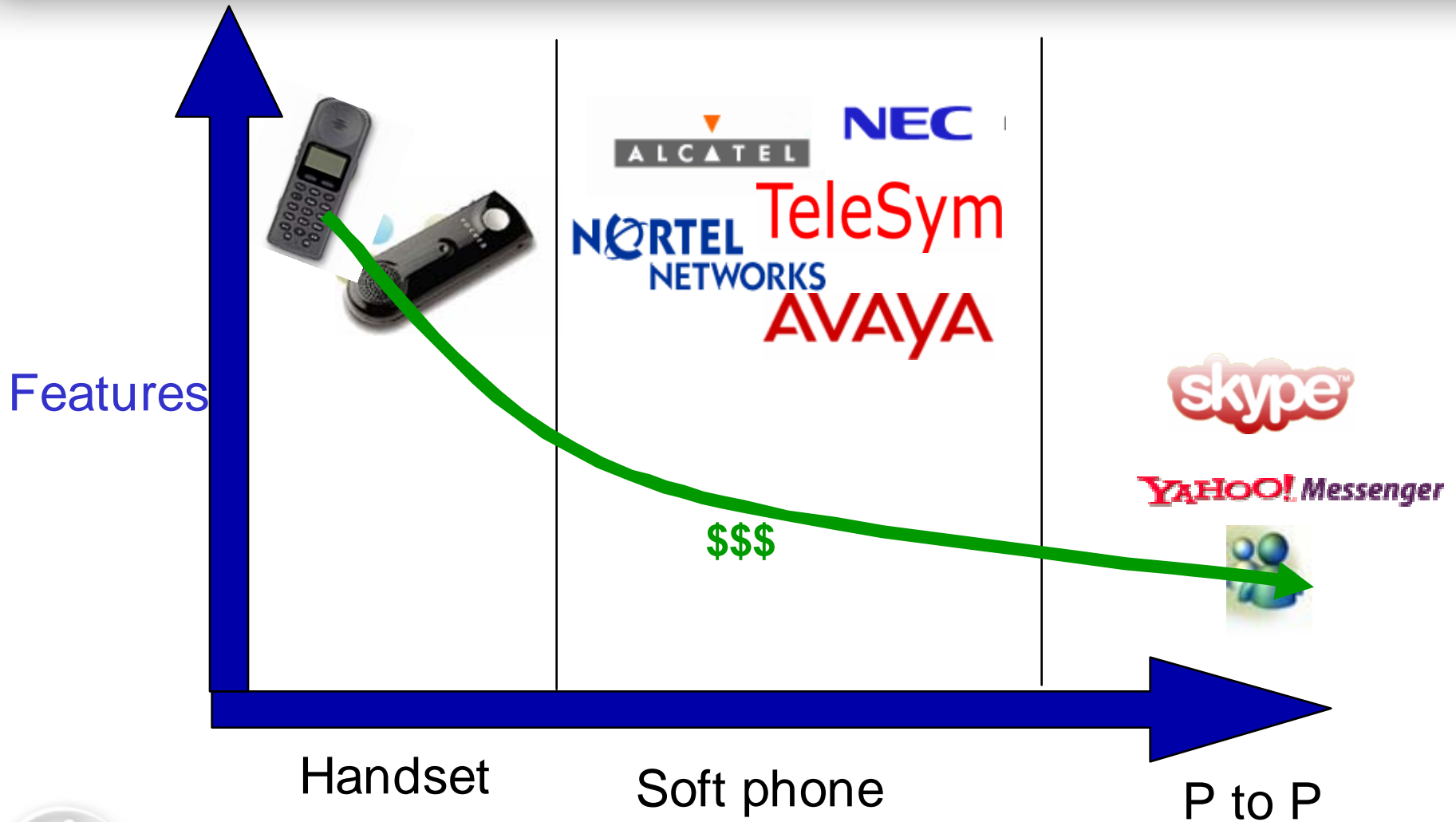
802.11e phone vendors
802.11e equipment vendors
PBX vendors



Is it inevitable??



The New Cool 802.11 Voice Factor

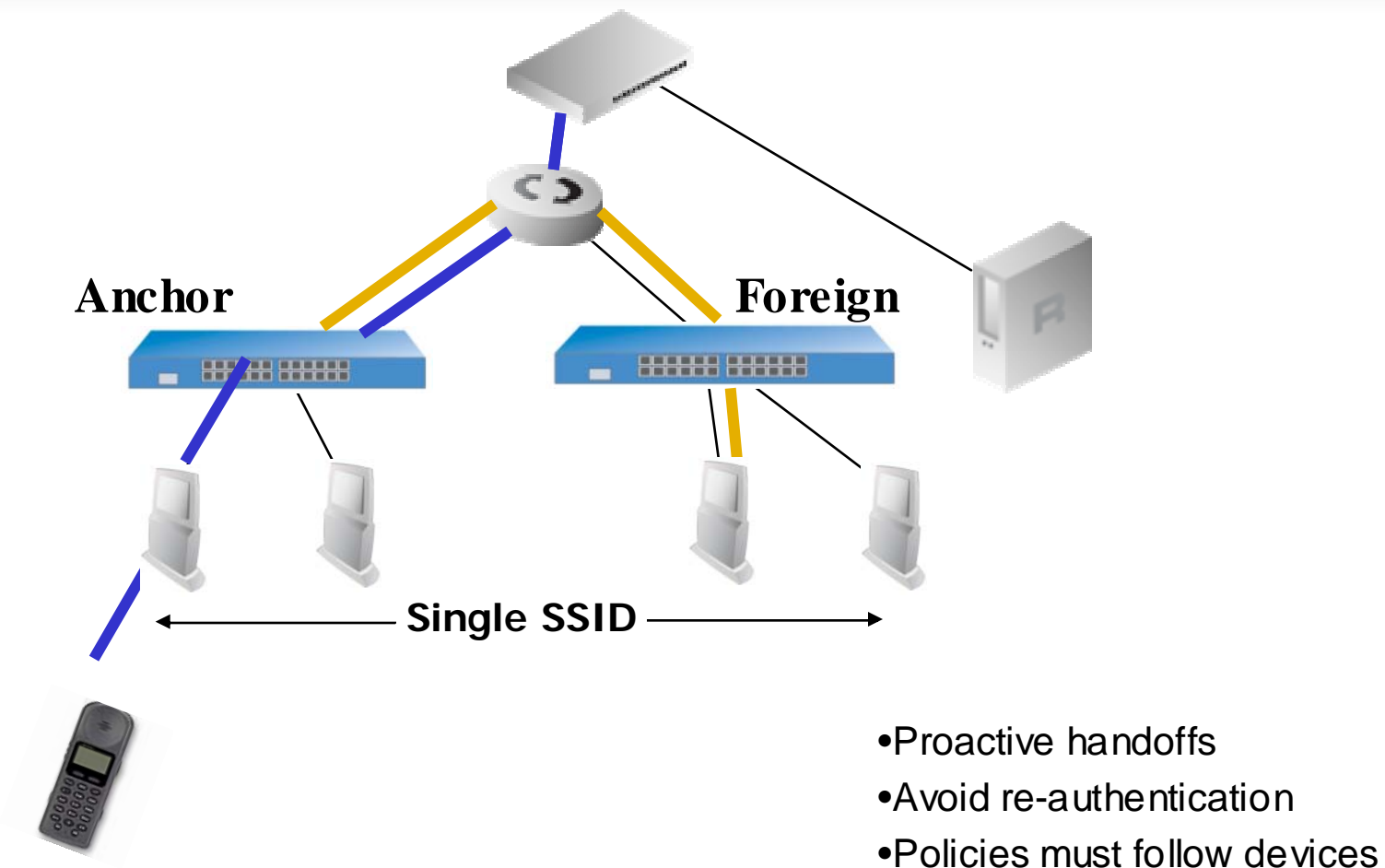




Other Major VoWLAN Considerations

- **Power conservation**
 - Cellular networks have worked hard to maintain the standby time of phones... what can we do in wireless LANs
 - *Requirement: Cooperation between the infrastructure and the mobile device*
- **Cellular to 802.11 handoffs**
 - One phone is a dream... how do we get there?
 - Do your users want you to get there?
 - Handoff strategies between cellular and wireless networks
 - *What is your PBX Vendor's strategy – if you have a contract with a cell provider... what is their strategy?*
- **Roaming**
 - How can the network help the phone make the right decision every time?
 - *What cooperation can you find between phone and your network infrastructure?*

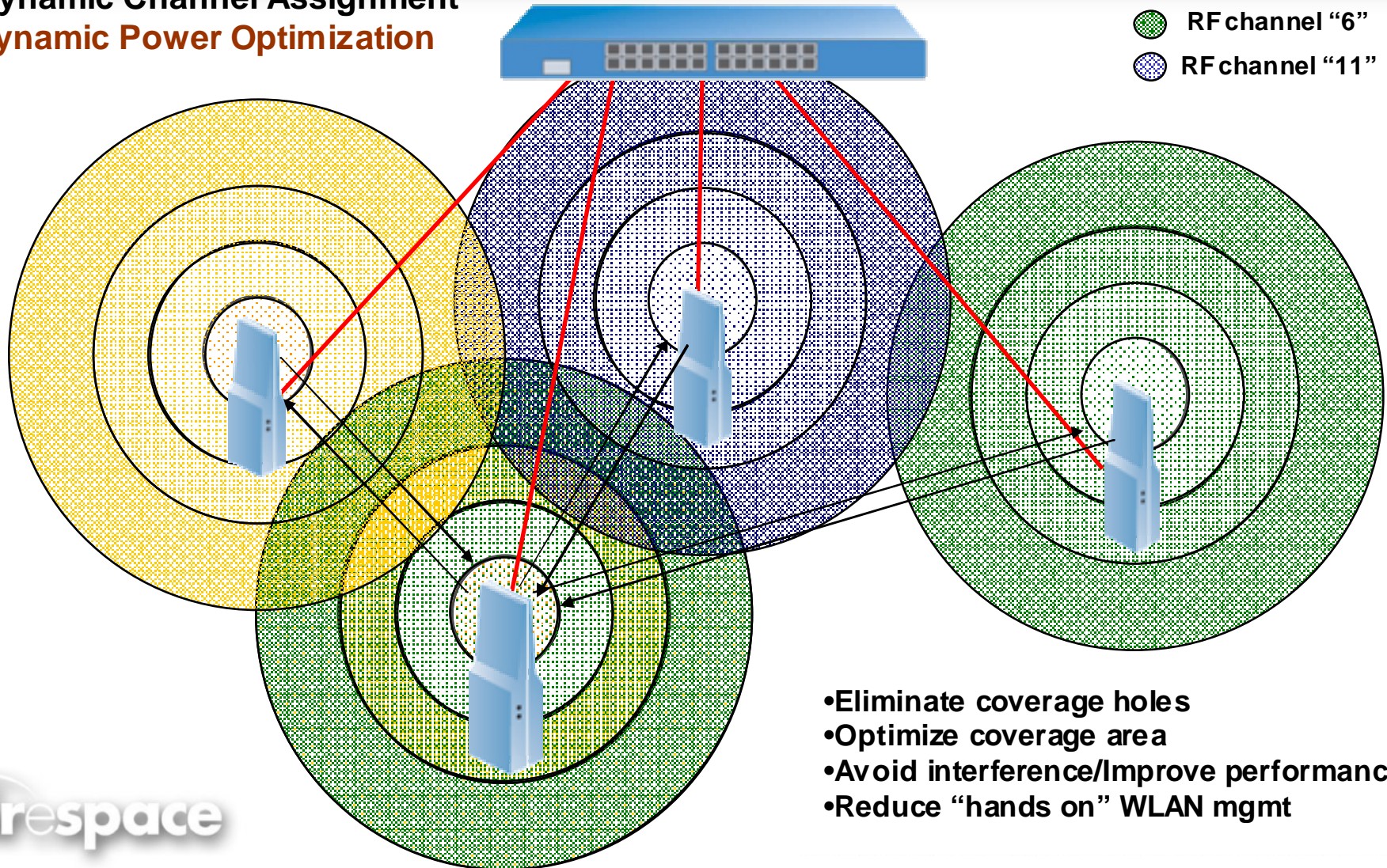
WLAN Requirements for Voice: Seamless Roaming



Adaptative RF for Reliable Voice

Dynamic Channel Assignment
Dynamic Power Optimization

- RF channel "1"
- RF channel "6"
- RF channel "11"



Cellular VoWLAN Integration

