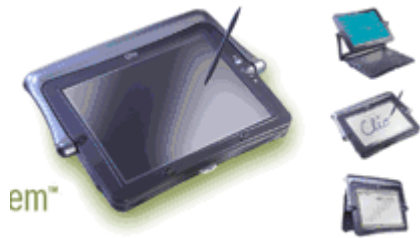


Requirements for an IAPP



Agenda

- Boeing Wireless LAN Environment
- Scenarios
 - Campus Network (Multiple wireless LANs)
 - Building Network (Wireless LAN/floor)
- Elements of an IAP Protocol
 - Handoff
 - Cross Subnet
 - No Dropped Elements

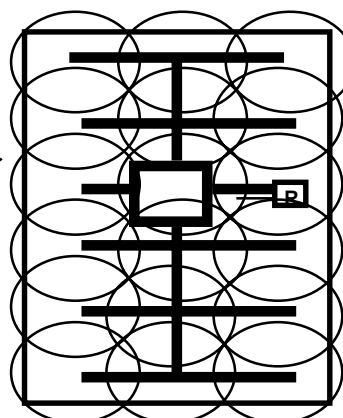
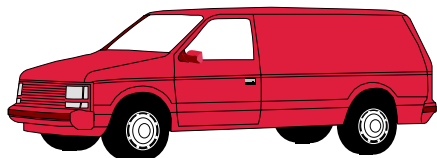
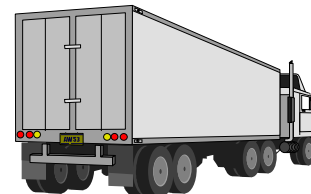
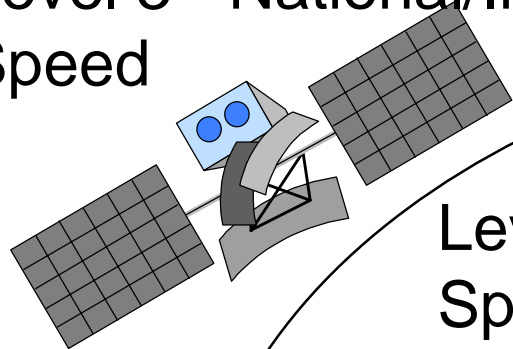


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Boeing Wireless Mobility Model

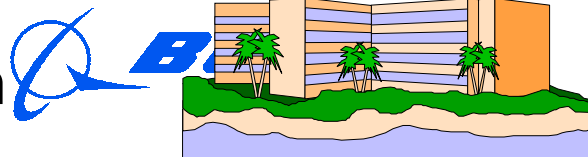
Level 3 - National/Intl Low Speed

Level 2 - Regional Low Speed Wireless



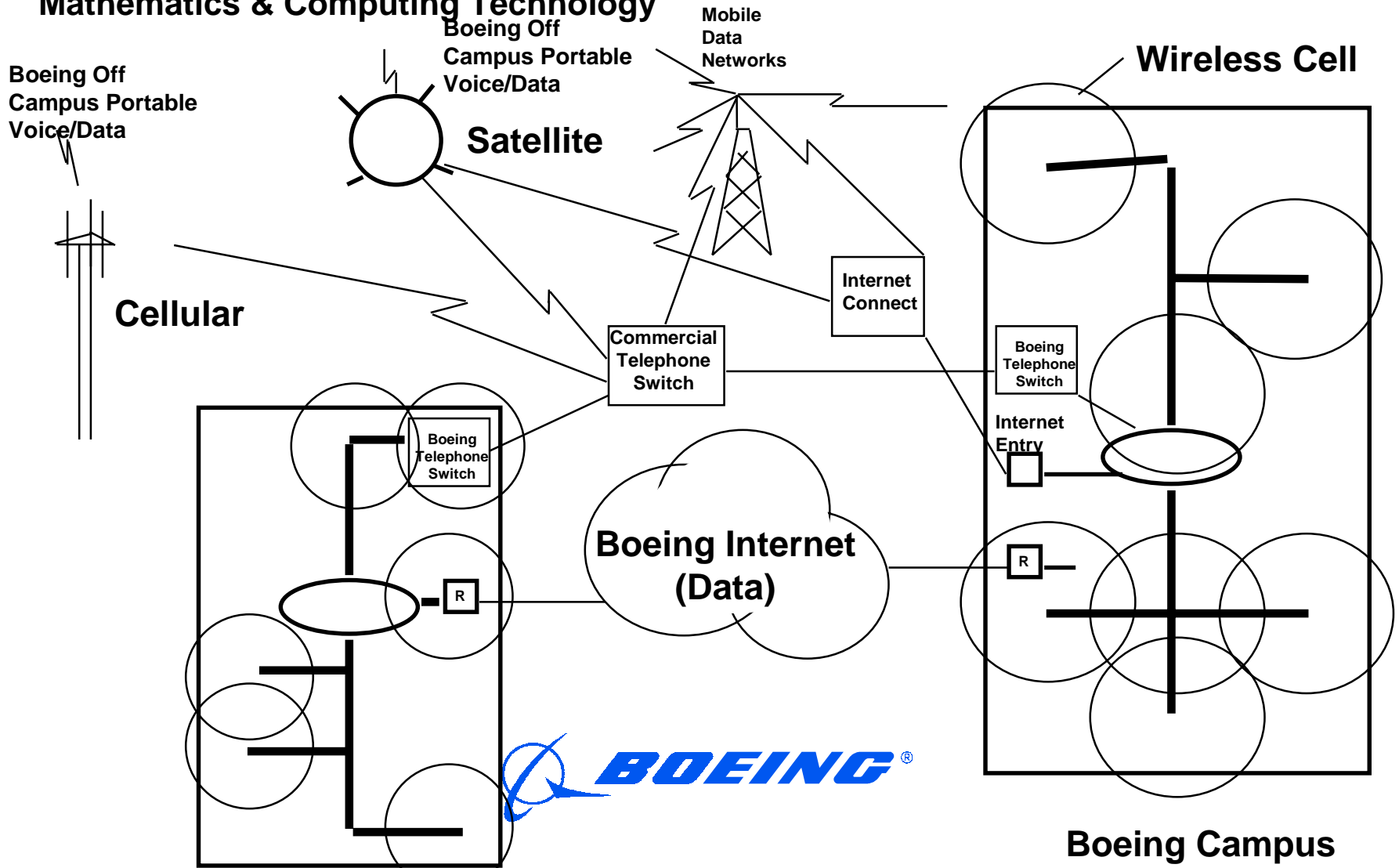
Boeing Campus

Level 1 - Campus High Speed Wireless LANs



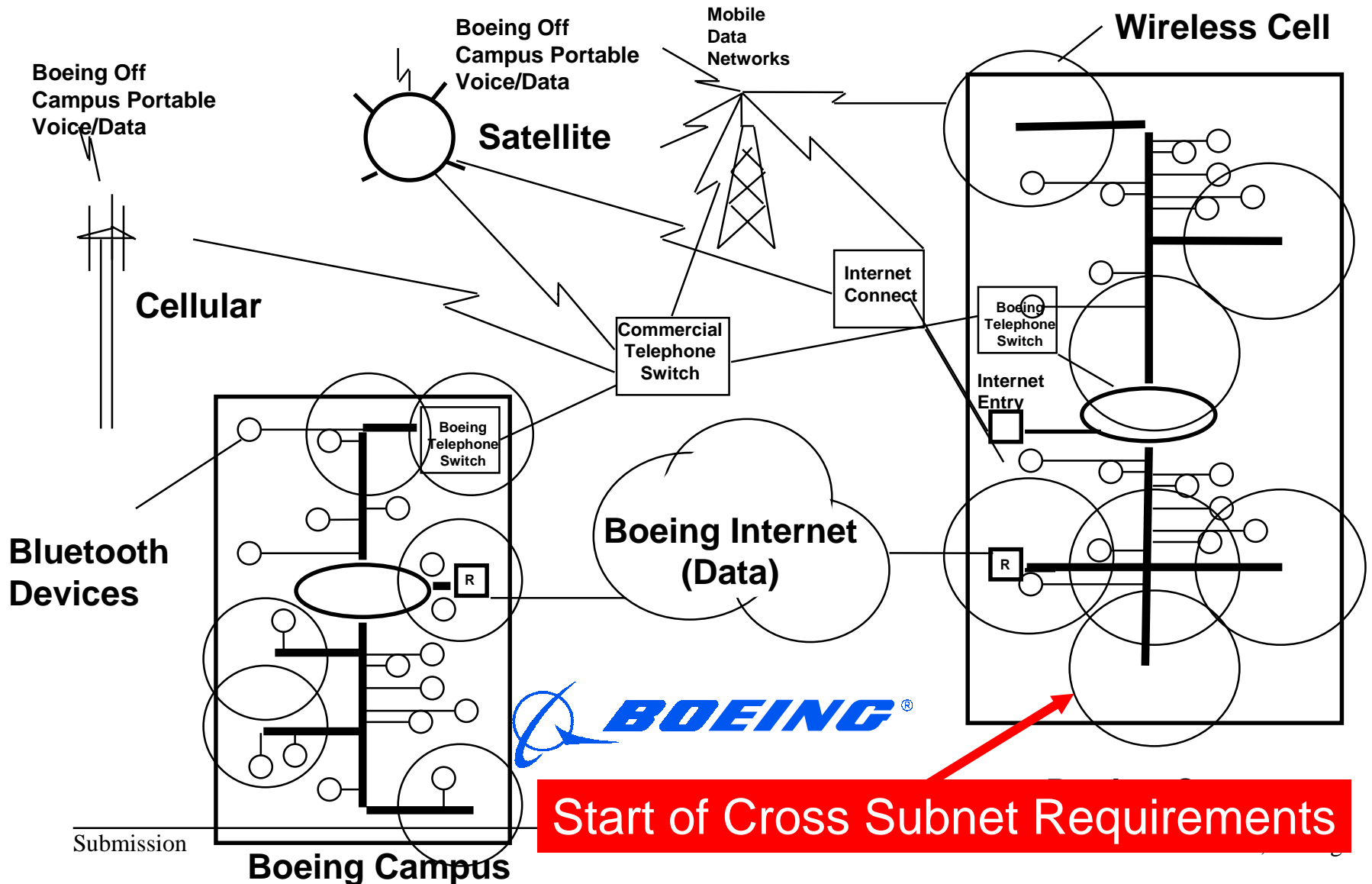
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Wireless LANs minus Cell Handoff



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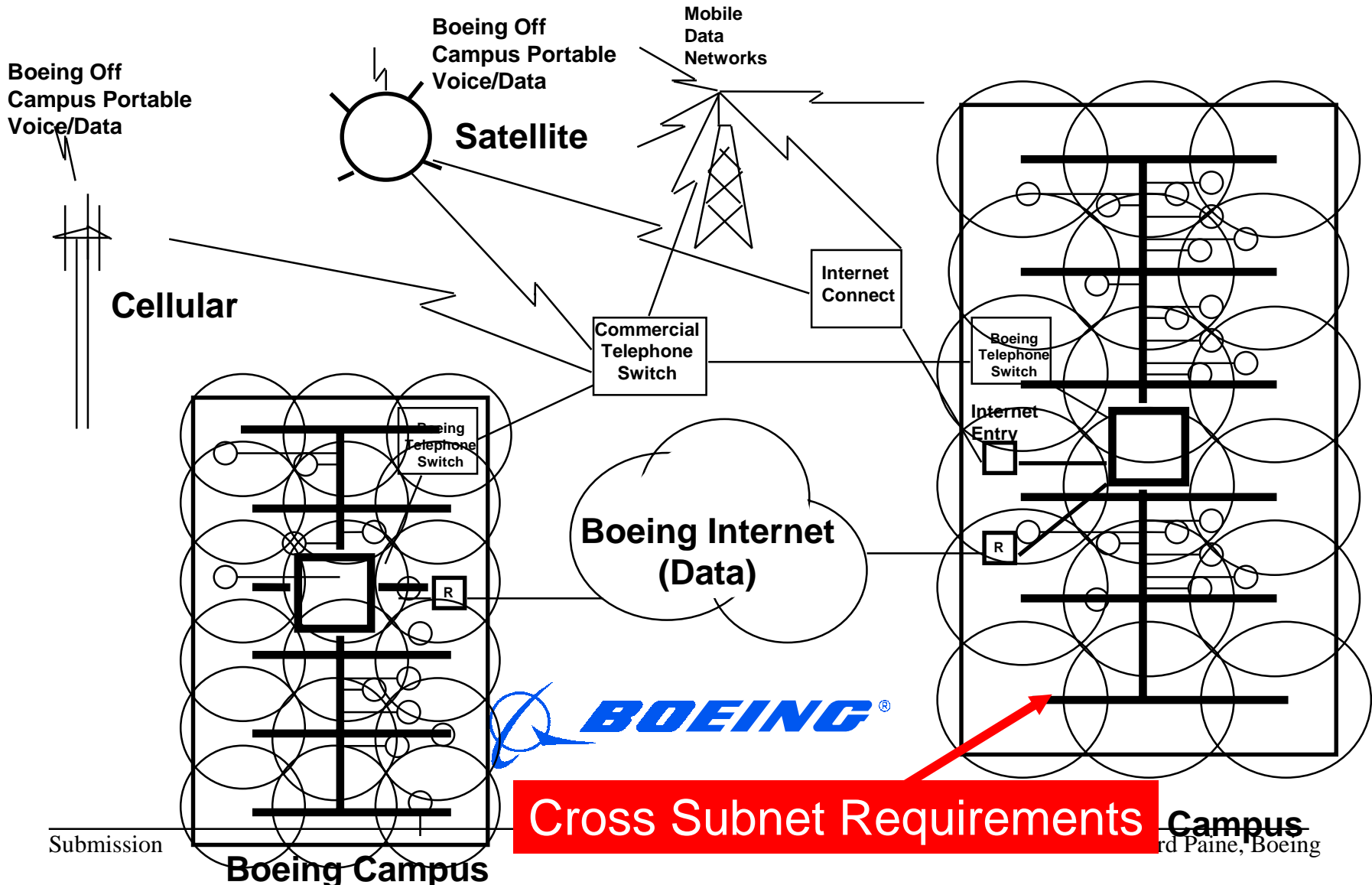
Wireless LANs with Cell Handoff



Start of Cross Subnet Requirements

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Wireless LANs with Cell Handoff



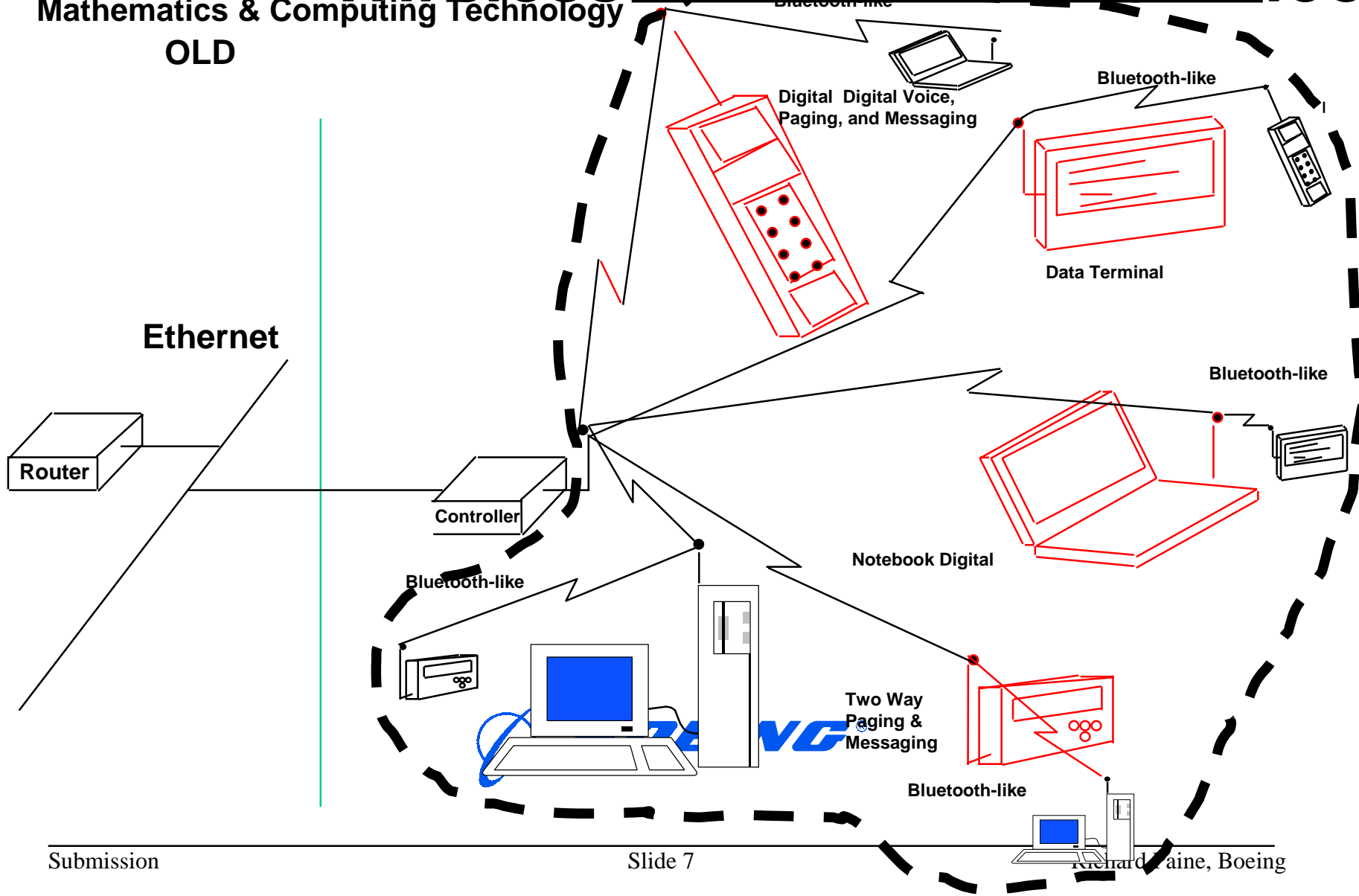
Cross Subnet Requirements

Campus
rd Paine, Boeing

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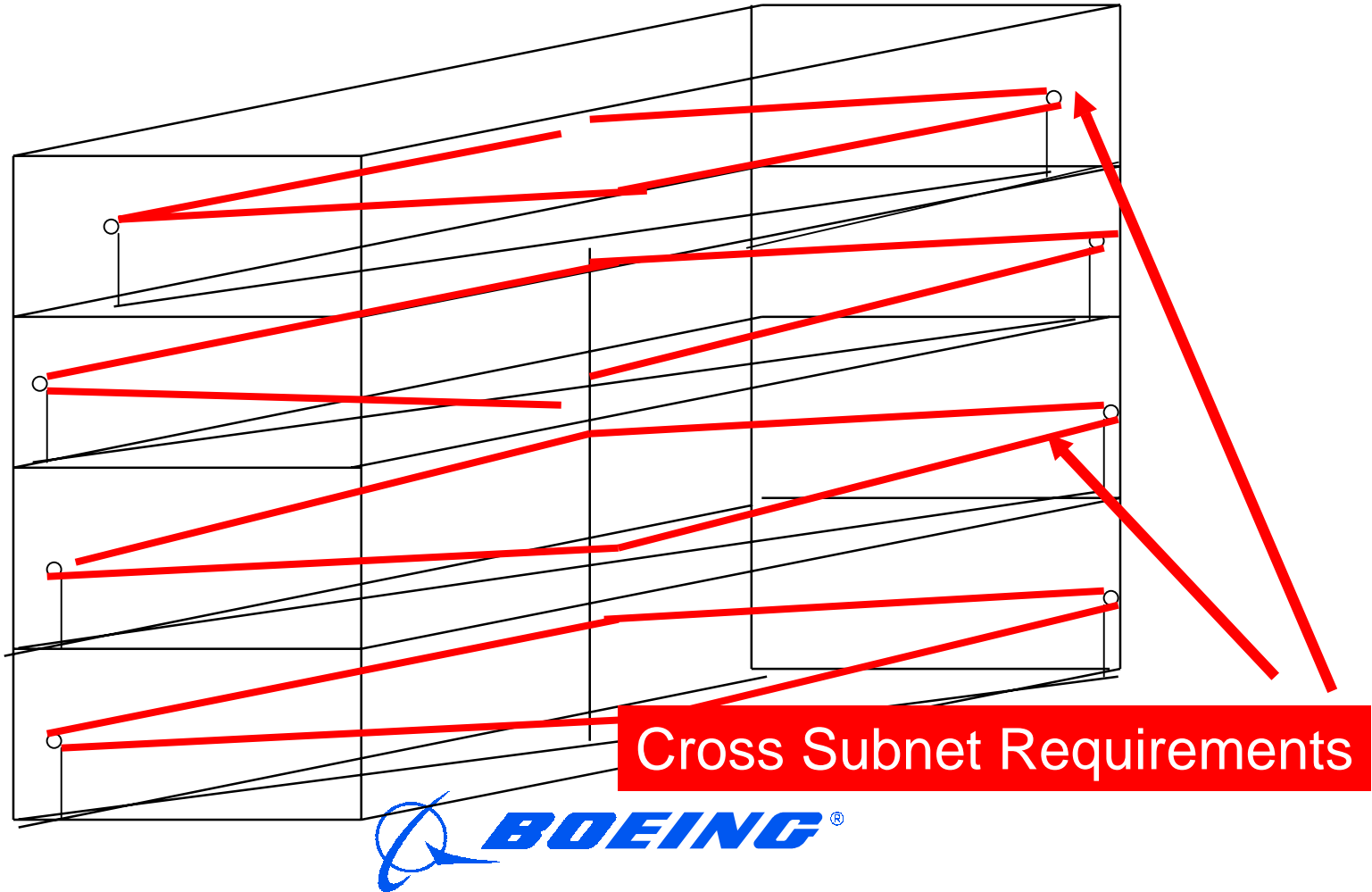
Wireless LAN + WPAN Service

OLD



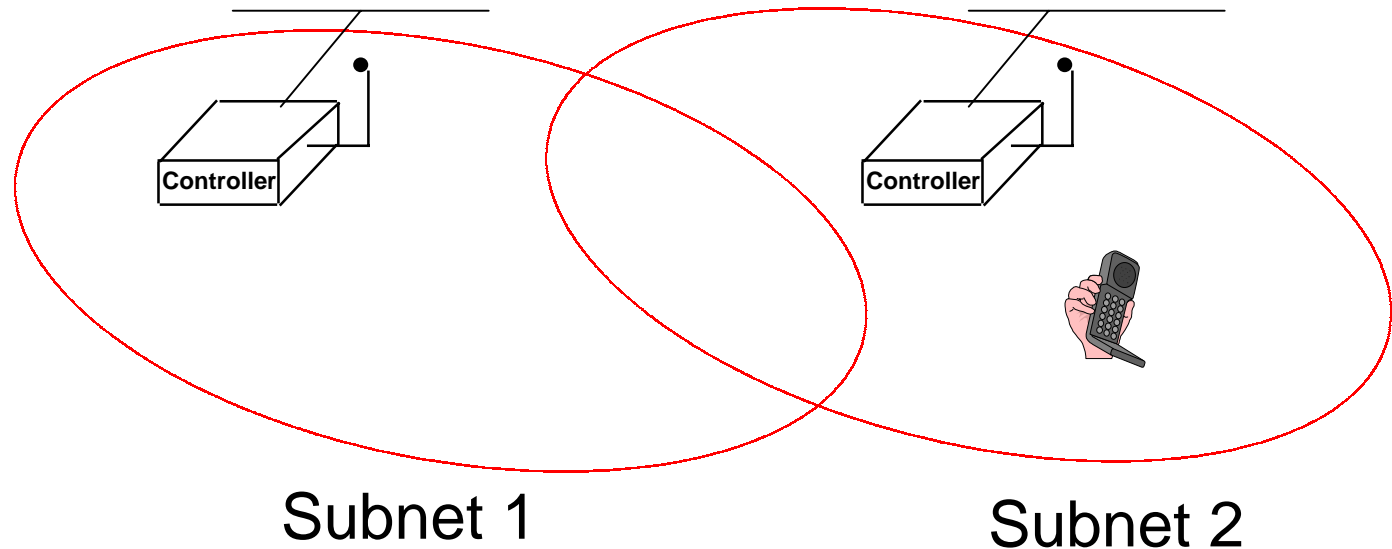
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Wireless LAN Building Design



Handoff Requirement

Handoff



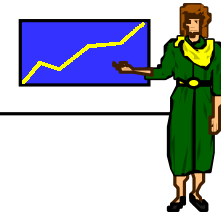
Boeing Requirements

- Maintain authentication through handoff
- Maintain Security through handoff
- QoS Mechanisms through handoff
- IP Multicast/IGMP Snooping through handoff

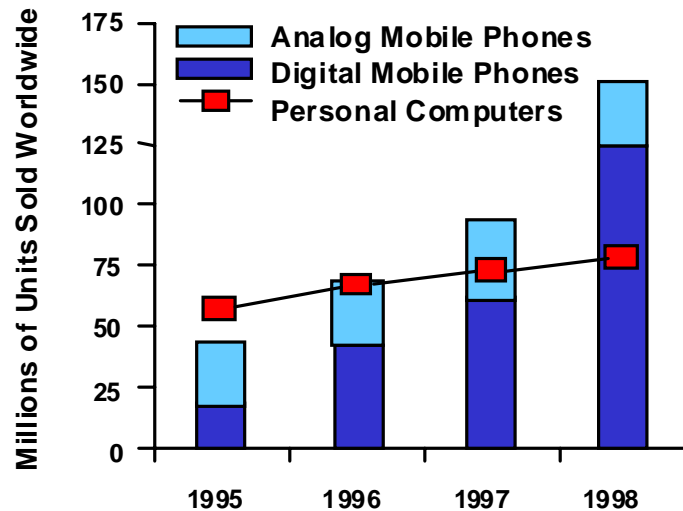


User Devices Trends

What is being said elsewhere?

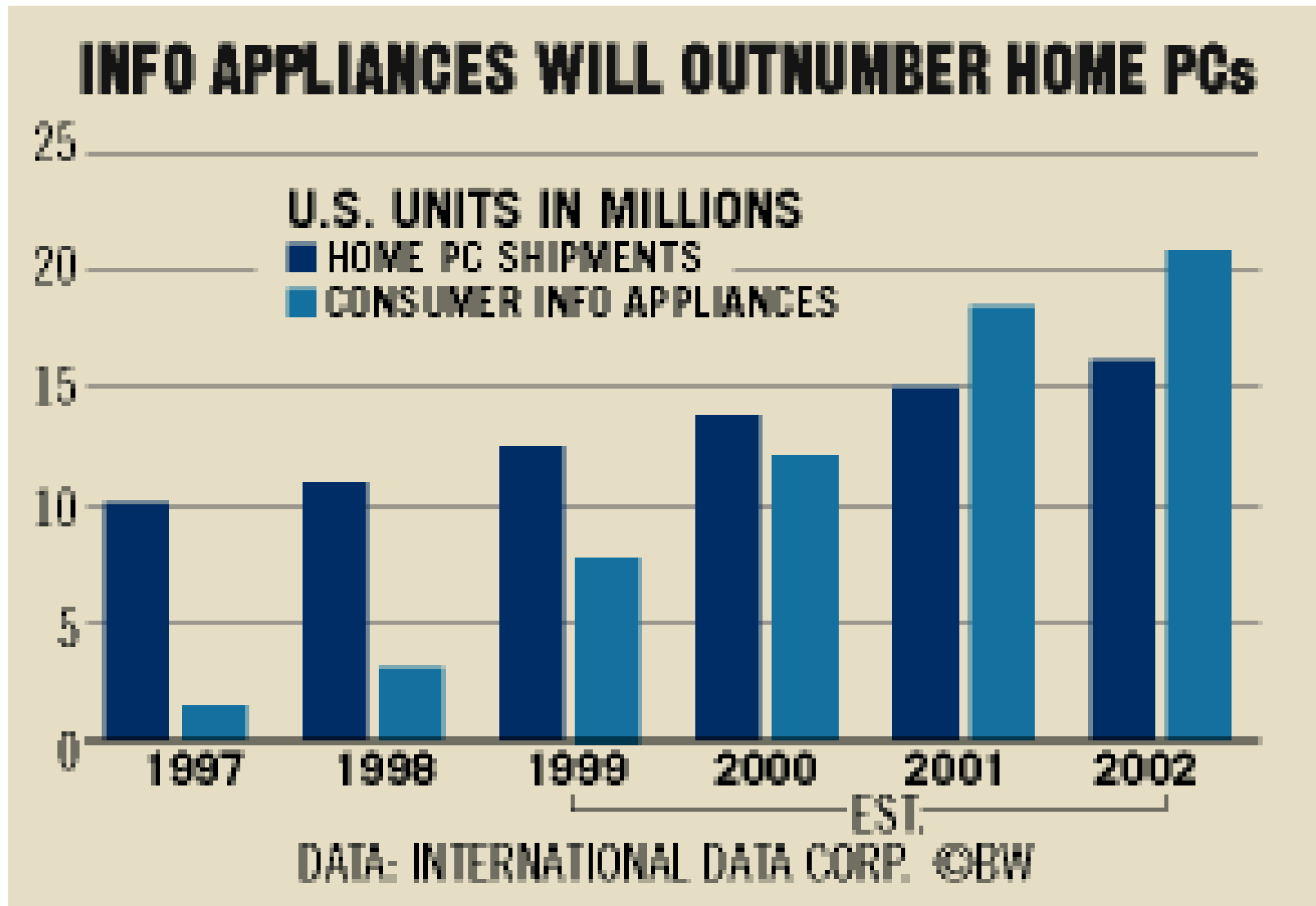


“Smart Phones Will Become the Most Common Computer”



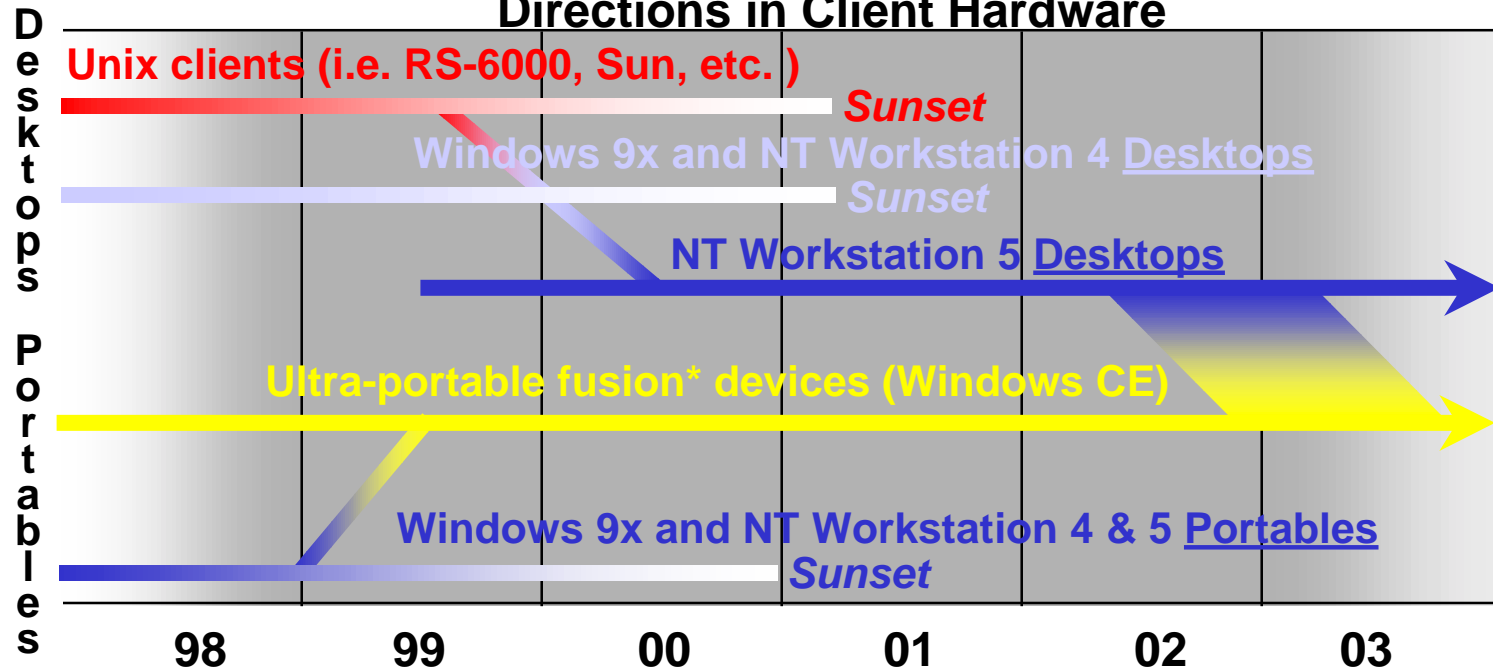
Source: *Dataquest, IC Insights*
“Gilder Technology Report”

User Devices Trends

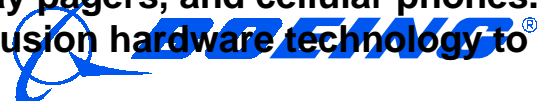


Emerging Technologies

Chart 4: Client Platforms
 Directions in Client Hardware



* Fusion devices combine elements of portable computers, personal digital assistants (PDAs), 2 way pagers, and cellular phones. There will be thin clients that bring elements of fusion hardware technology to at least some desktops.



The Future



The Proposal

- Cannot ignore IAPP in the standard
- Proposed IAPP PAR
- IAPP Working Group
- IAPP Section Added to 802.11
- IAPP Finalized 7/00?



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Regional Low Speed Wireless

