

Advanced Wireless Communications:

Are We Ready?

Panel Session
1999 ATP National Meeting
November 17, 1999
George Bechtel

Strategies Unlimited
650-941-3438
gbechtel@strategies-u.com

99 ATP Meeting.ppt
Slide 1



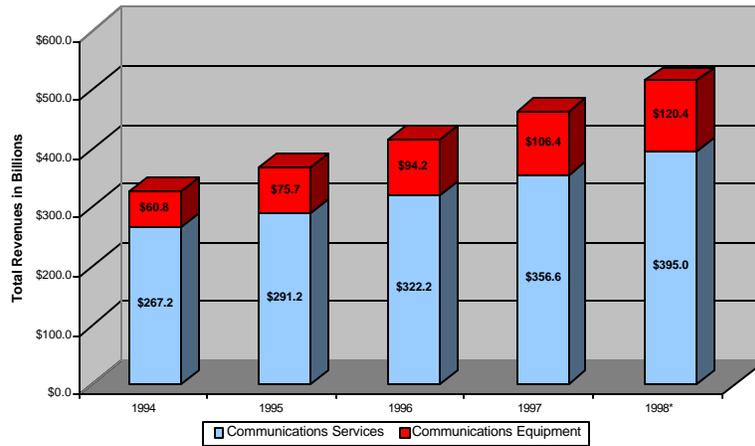
The Impact of the Internet on Wireless Applications

- Wireless telephones will exceed wired telephones by 2005.
- And wireless devices will displace the PC as the consumer access to the Internet.
- High speed access will reach 100% of office desktops and 50% of homes by 2005.
- The availability of nearly universal high speed access will drive another round of infrastructure upgrades to 1 Tb/s transport networks.

99 ATP Meeting.ppt
Slide 2



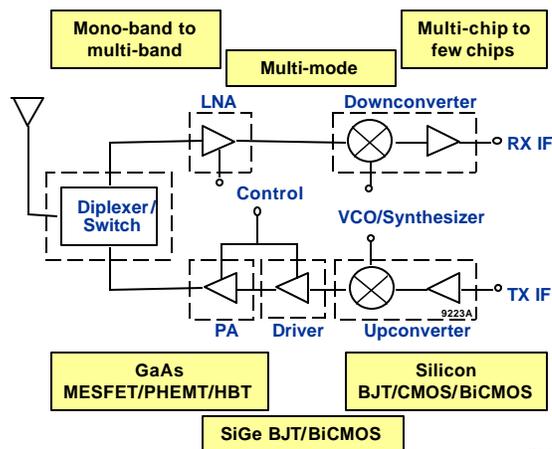
Communications Sector of the U.S. Economy



99 ATP Meeting.ppt 1998 figures are estimates from the the 1998 Multimedia Telecom Market Review and from IAD. Sources: Census Bureau, Statistical Abstract of the U.S. and Annual Survey of Communications Services; 1998 Multimedia Telecom Market Review



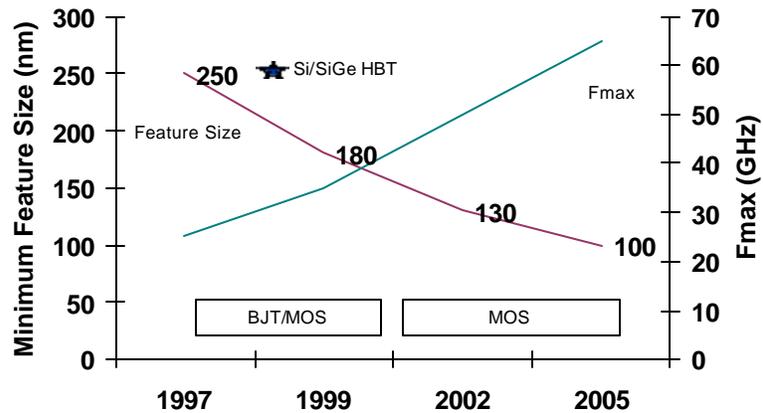
Trends in Wireless Chipsets



99 ATP Meeting.ppt Slide 4



The Increasing Performance of Silicon



99 ATP Meeting.ppt
Slide 5

International Technology Roadmap for
Semiconductors, SIA



The Opportunities

- Third Generation Mobile Telephones
- Home RF Networking
- Access to Fiber
- Others!

99 ATP Meeting.ppt
Slide 6



The Needs

- Efficient use of spectrum
- More spectrum!
- New designs to enable Moore's Law at RF/microwave frequencies
- Low cost RF and fiber optic components