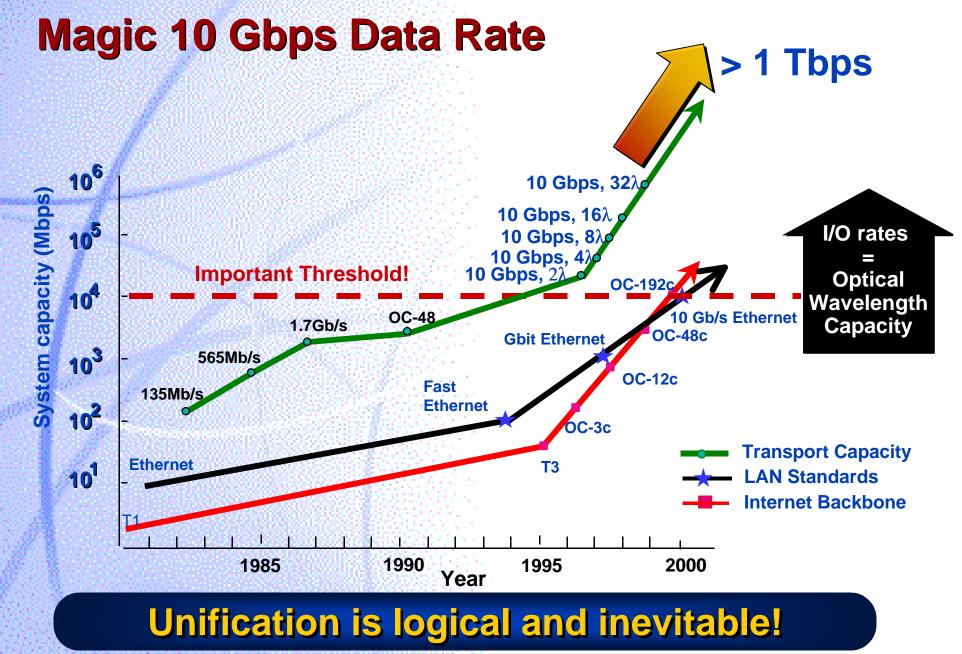


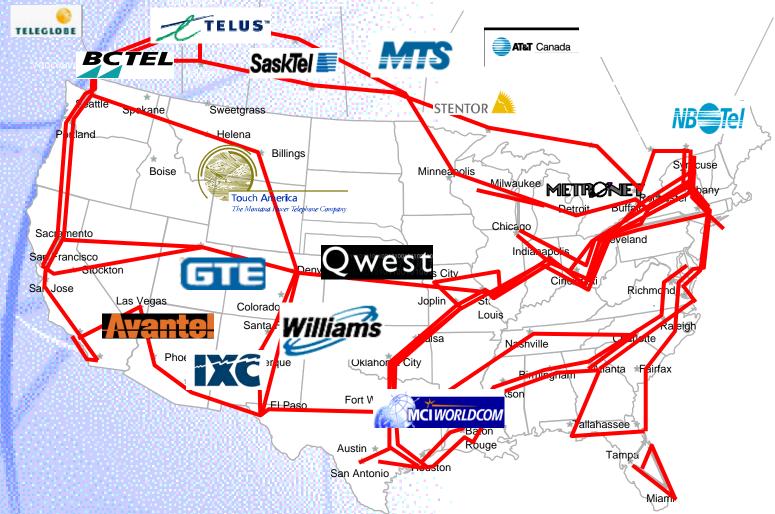
Market Potentials for 10 GbE in Metro, and Wide Area Networks

Nan Chen
Director, Architecture Lab
Santa Clara, California



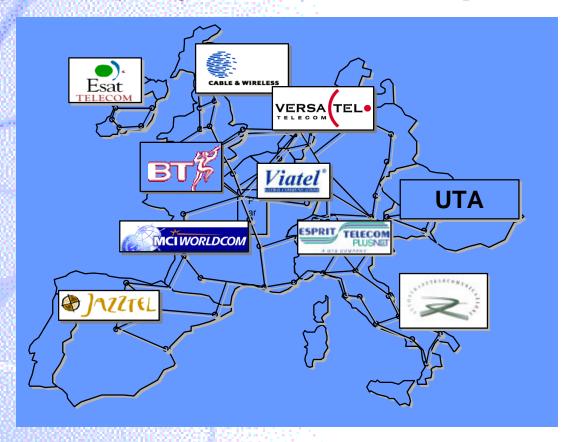


DWDM 10 Gbps Deployment In North America



- > 48% of DWDM Network Deployment
- > 36% of the Internet Backbone In North America

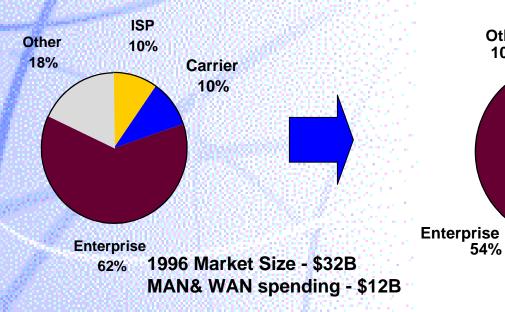
...10 Gbps Deployment In Europe and China

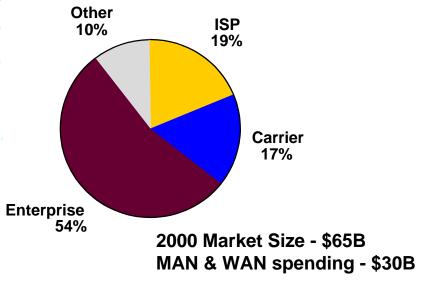


- 7 of Last 9 Pan-European Builds, and
- All China Optical Transport from now on...



Global Data Communications Market, 1996-2002





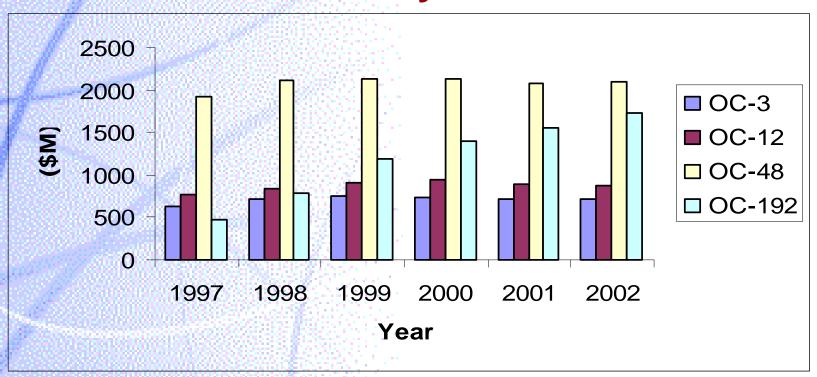
While Local area market increases 19%/year,

Metro and Wide area market increase 38%/year. Enterprise market is \$49 billion in Year 2002;

MAN & WAN market is \$58 billion in Year 2002.



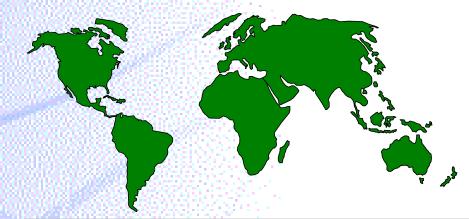
Total All Operator Spending Forecast on SONET Systems



While all other speeds holding still, 10 Gigabit system increases 31% a year on average.



Nortel Networks' Global 10 Gbps Projections



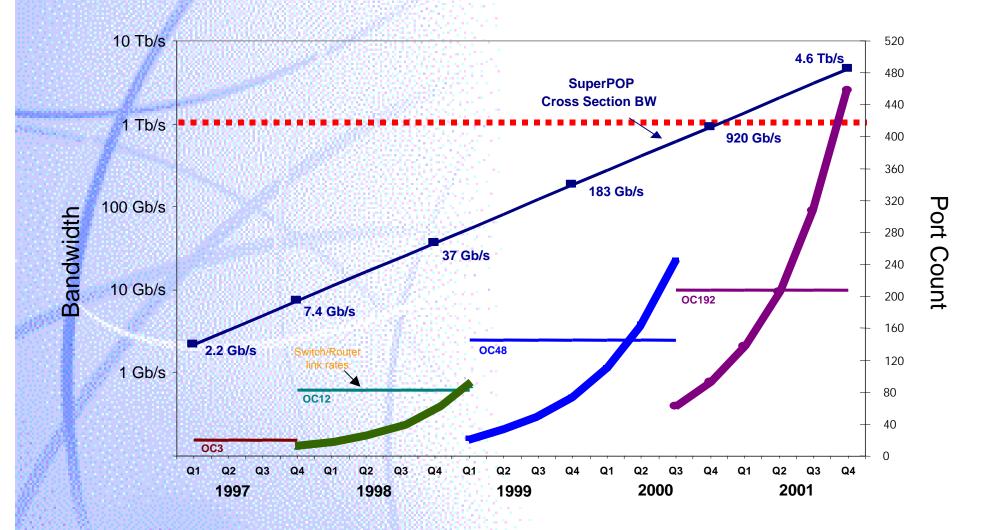
	Year	10 Gbps Ports
1990 -	1998	76,922
	1999	82,285
ental Soviet	2000	1,120,000
	2001	1,467,200
	2002	1,922,000

Nortel alone will ship 2,000,000 10 Gigabit ports in Year 2002

based upon 31% year to year growth from 2000 to 2002



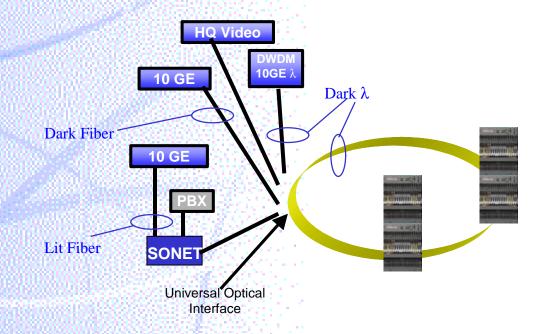
TeraPop Scale Requirements





10 Gigabit Ethernet

- for Dark Fiber, Lit Fiber & Dark λ



Using Ethernet as the ubiquitous link layer protocol for all networks

Using Ethernet as next generation DS0



"Show Me the Power!"

- It's magic time to unify the local, metro and wide area networks, and 10 Gbps Ethernet is a logical candidate
- By defining a SONET compatible 10 Gbps Ethernet, this committee serves right for the Ethernet community



"Show Me the Money!"

- It's magic time to unify the local, metro and wide area networks, and 10 Gbps Ethernet is a logical candidate
- By defining a SONET compatible 10 Gbps Ethernet, this committee serves right for the Ethernet community
- Number of 10 Gbps ports is exploding over the next 3 years. 2 millions ports will be shipped by Nortel
 Networks alone in Year 2002
- And we ALL will make LOTS of money out of it!

