

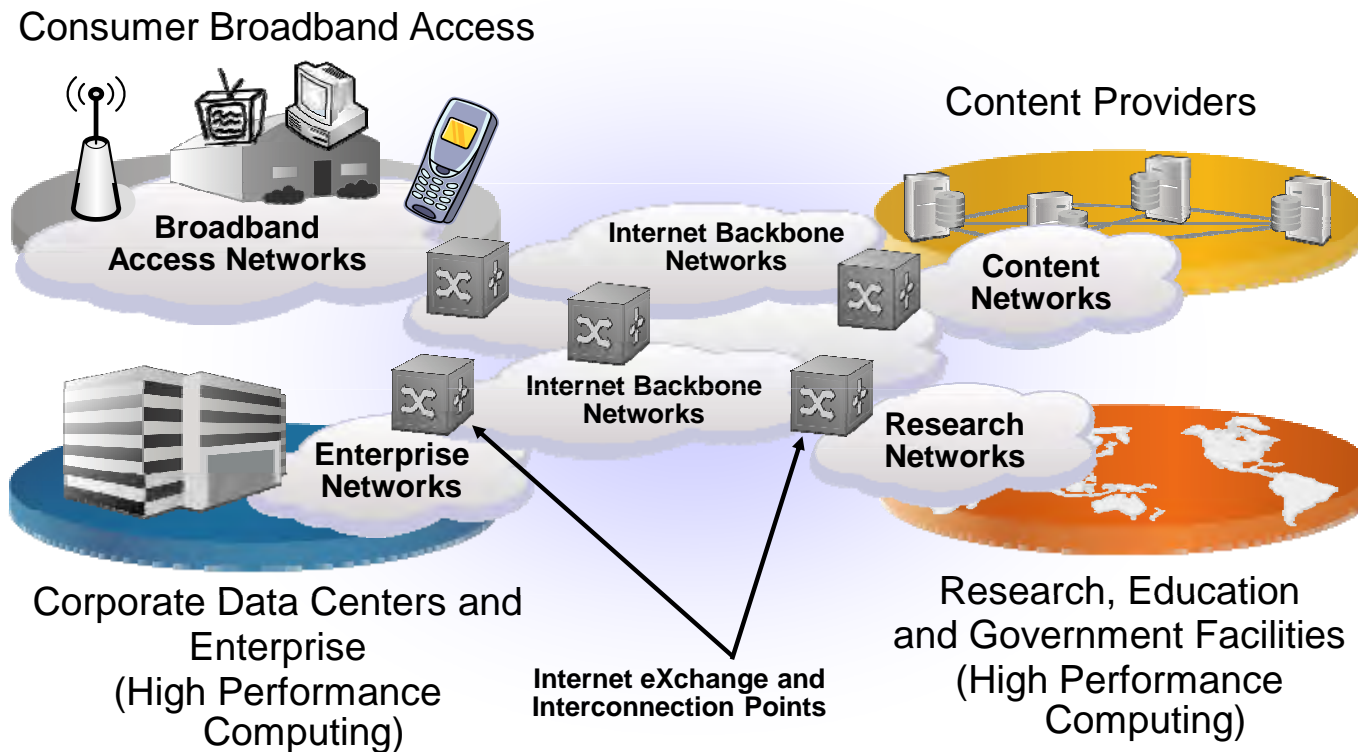
# Ethernet Bandwidth Assessment Ad hoc- Network Considerations

John D'Ambrosia, Force10 Networks

IEEE 802 Mar 2011 Plenary  
Singapore

# The 2006 HSSG CFI

## The Ethernet Ecosystem



July 18, 2006

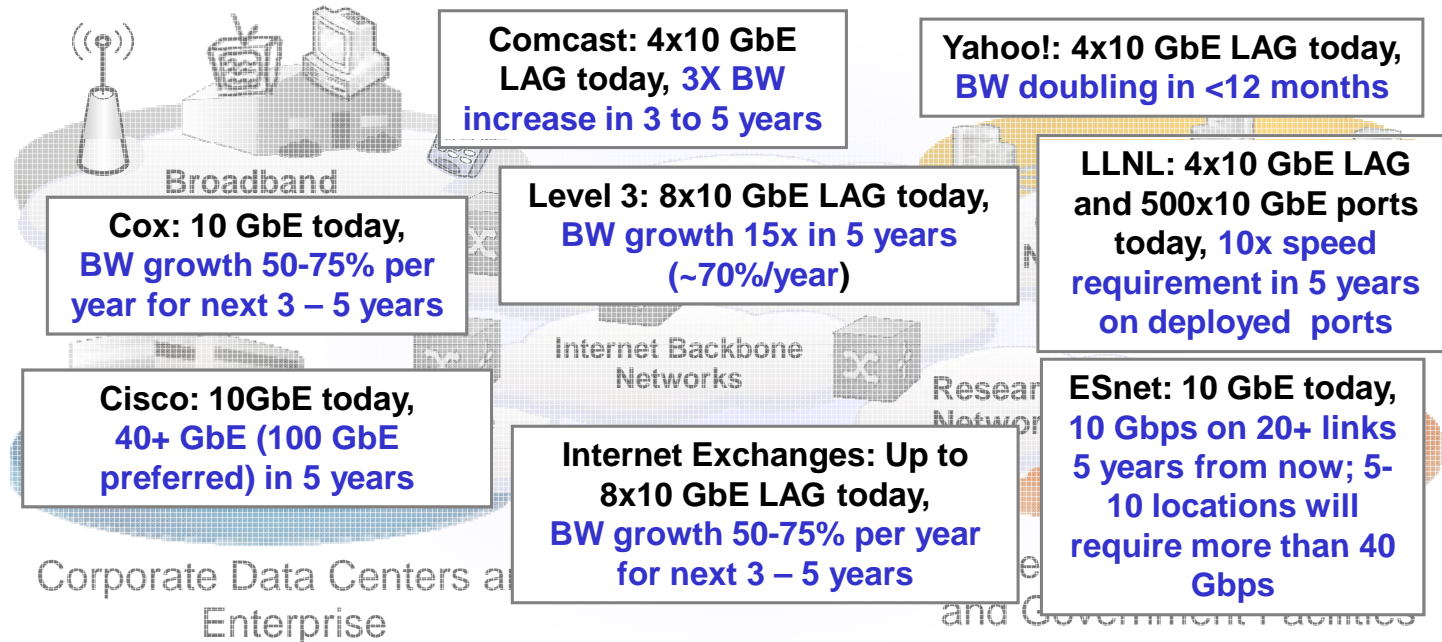
Higher Speed Study Group CFI, V 1.01  
San Diego, CA

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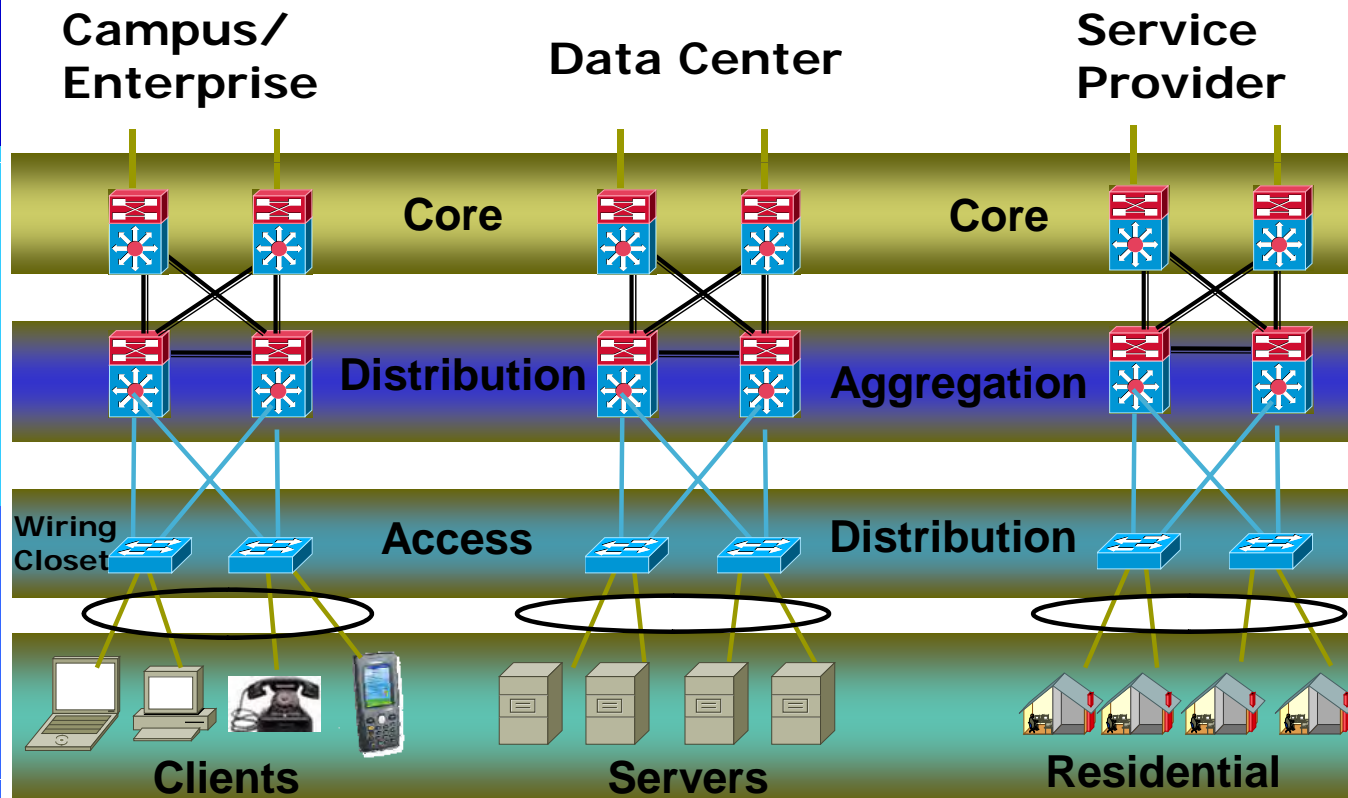
# The 2006 HSSG CFI (continued)

## Bandwidth and Growth Projections

### Consumer Broadband Access



# Higher Speed Ethernet Penetration

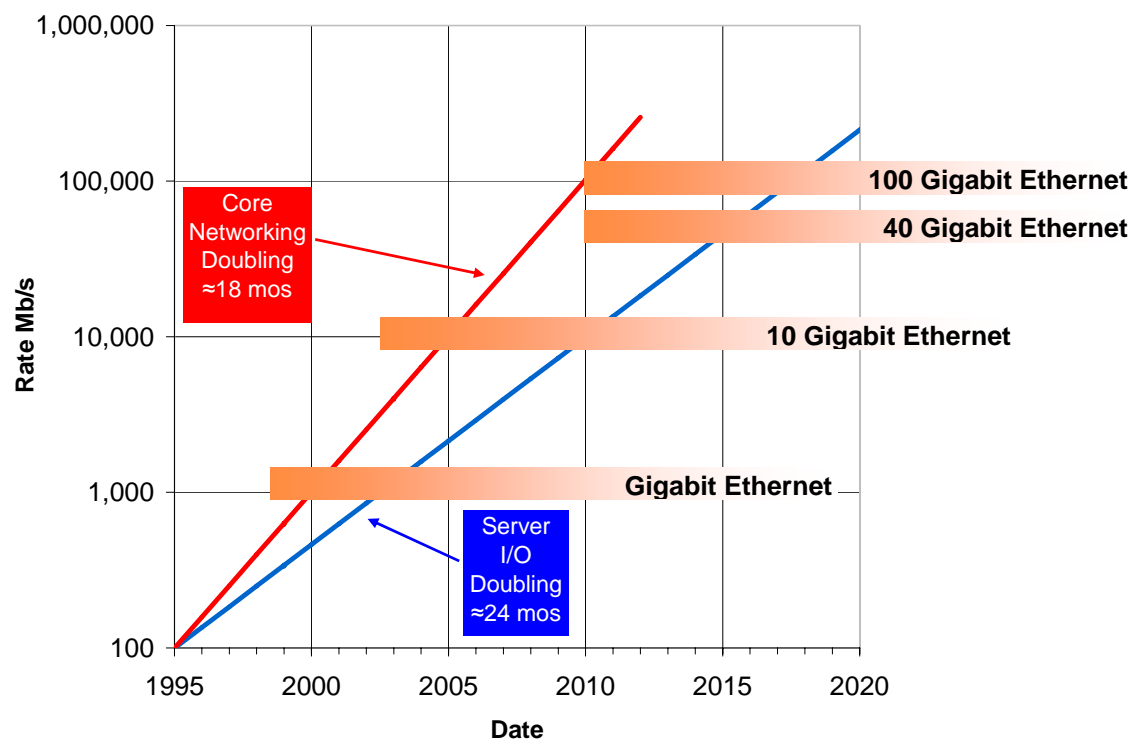


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# Understand the Eco-System Need

## 40GbE and 100GbE: Computing and Networking



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# Observations

- Examples of Interested Consumers of Bandwidth
  - Data Centers
  - Internet Exchanges
  - Carriers
  - Content Providers
  - Others?
  - Financial Community
  - Research & Development
  - HPC
  - Government
- Network definition
  - General simple architecture defined during HSSG Tutorial 07 – update?
  - “Silo Lingo” should not prevent communications!
- Need data that demonstrates bandwidth usage / forecast
  - “Wish list” input should be separated from evaluation of data
- Network Aggregation will be driven by end stations – status of computing applications?

# Questions to Ask?

- Time frame?
  - How far back – historical trends?
  - How far forward?
- Data or wish list?
- Others to contact?

# Action Plan

- Determine Ad Hoc output and get WG approval
- Organize calls / meetings as possible, based on application space