



Emerging 10GbE Applications

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What happens when the 10GE standard is done?

- Used in large corporations
- Used on campuses
- Who else could benefit from this much bandwidth?

Metropolitan Area Networks

- Inexpensive infrastructure to deliver high bandwidth to end users
- Supports applications not currently available
- Delivers full duplex symmetrical bandwidth
- Maintain same link layer protocol throughout MAN

100Mbps full duplex bandwidth to the user

- Supports multiple compressed video channels
- Supports high speed Internet access
- Supports true telecommuting
- Supports true end user authoring ability
- Enables local merchant opportunities
- Business to business transactions

Why develop Ethernet MAN?

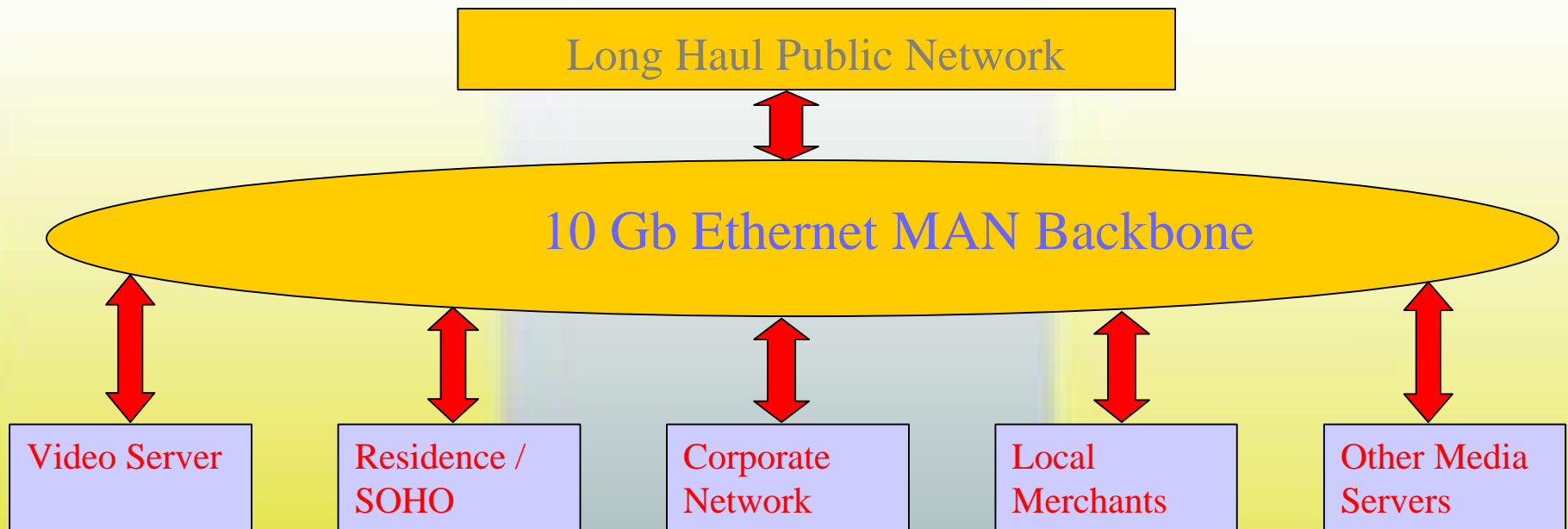
- SOHO market is huge
- Residential market is even larger
- We can supply the bandwidth that is needed
- Enables a huge consumer market

Metropolitan Area Solutions

Applications driving service and network providers

- Video on demand
- Telecommuting
- Local merchant e-commerce
- High speed ramp to the internet
- Other local media events

Metropolitan Area Networking



MAN “Last Mile”

Requires a 100Mb Full Duplex Connection to the user

- Enables multiple video channels
- Enables truly interactive telecommuting
- Enables home enterprises
- Allows multiple high speed internet connections

What needs to be done

- Develop standard for long reach 100Mb over copper
- Have priority scheme for media traffic at MAC layer

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