

ESTA Control Protocols Working Group

IEEE 802.3 Call for Interest “Ethernet In the Last Mile” November 2000



An Entertainment/Industrial User Perspective

- Almost all our applications are in “the last mile”
 - Ability to deploy 10Mbps connections over inexpensive cable is very desirable
- 10Mbps
 - Adequate for many years to come since most of our devices are “small”



An Entertainment/Industrial User Perspective

- 100m limit is a big problem
 - Frequently requires additional hubs/switches
 - Adds more complexity, cost to the network
 - Frequently requires fiber to obtain desired distance
- Must be rugged to survive on the pole



An Entertainment/Industrial User Perspective

- Allows for Ethernet frames from the bottom (10Mbps) to the top of the system (10Gbps)
- Most applications which are currently 10BASE-T would move to this standard



Conclusion

- A 10Mbps, full-duplex, 1km Ethernet solution that can operate over low-cost wire would find enormous support

