



























Typical Delay-Bandwidth Products				
Distance	10 Mbps	100 Mbps	1 Gbps	Network Type
1 m	3.33 x10 <sup>-6</sup>	3.33 x10⁻⁵	3.33 x 10 <sup>-4</sup>	Desk area network
100 m	3.33 x 10 <sup>-4</sup>	3.33 x 10 <sup>-3</sup>	3.33 x 10 <sup>-2</sup>	Local area network
10 km	3.33 x 10 <sup>-2</sup>	3.33 x 10 <sup>-1</sup>	3.33 x 10 <sup>+0</sup>	Metropolitan area network
1,000 km	3.33 x 10 <sup>+1</sup>	3.33 x 10 <sup>+2</sup>	3.33 x 10 <sup>+3</sup>	Wide area network
100,000 km	3.33 x 10 <sup>+3</sup>	3.33 x 10 <sup>+4</sup>	3.33 x 10 <sup>+5</sup>	Global area network
<ul> <li>Max size Ethernet frame: 1,500 bytes = 12,000 bits</li> <li>Long and/or fat pipes give large a</li> </ul>				
EECS 3213, F14 L15: Medium Access Control			15	







































