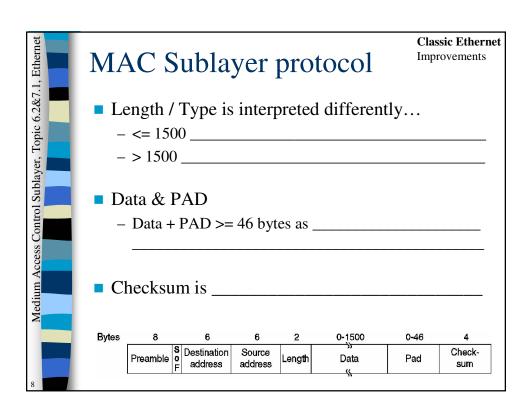
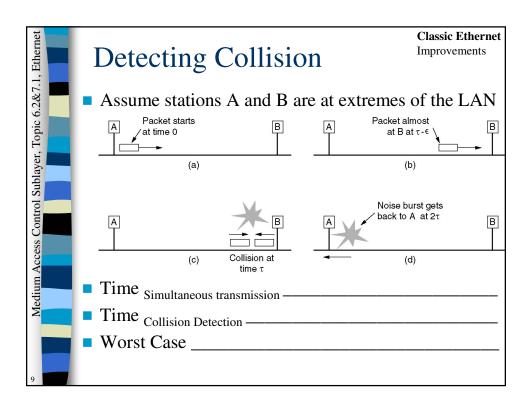
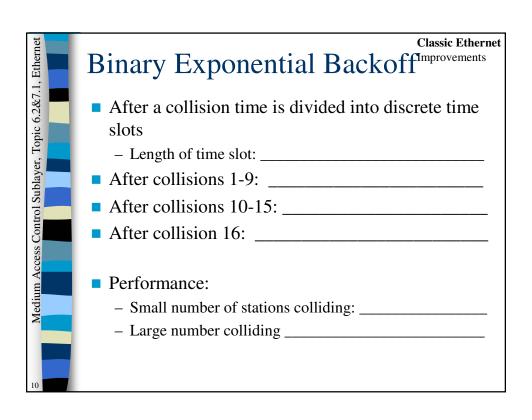
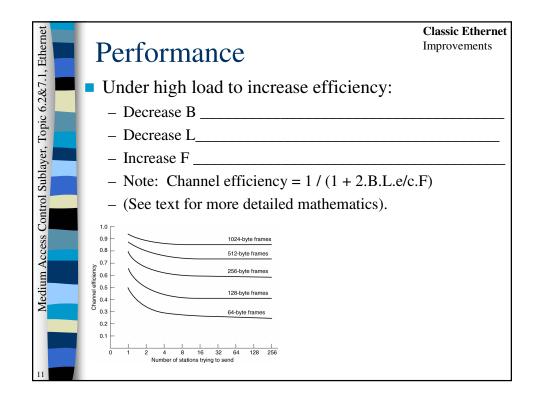


l, Ethernet	MAC Sublayer protocol	Classic Ethernet Improvements
Medium Access Control Sublayer, Topic 6.2&7.1, Ethernet	A preamble is sent in order to	
Tol	- This consists of	
ayer,	<ul> <li>This is followed by a SOF byte:</li> </ul>	
rol Subl	<ul><li>Destination &amp; Source Addresses are</li><li>Either</li></ul>	
ess Cont	<ul> <li>High order bit (Destination Bit 47) is</li> <li>0</li></ul>	
n Acc	• 1	
diur	• 111111	
We	Destination Bit 46 indicates	
	Bytes 8 6 6 2 0-1500	0-46 4
	Preamble S Destination Source address Length Data	Pad Check- sum
7	,	









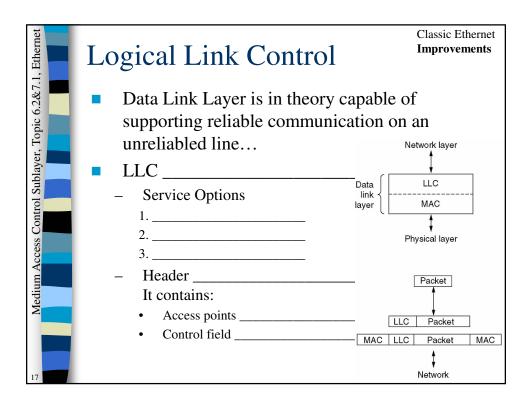
## Switched Ethernet Eventually Ethernet will become saturated with traffic One approach to soling this is use \_\_\_\_\_\_. This contains ... - Cards \_\_\_\_\_\_. Card operation: On-card LAN so that Buffering can be used

1, Ethernet	Fast Ethernet	Classic Ethernet Improvements
☐ Medium Access Control Sublayer, Topic 6.2&7.1, Ethernet	<ul> <li>802.3u</li></ul>	

ಕ		Classic Ethernet
I, Ethern	Fast Ethernet Wiring	Improvements
Medium Access Control Sublayer, Topic 6.2&7.1, Ethernet	<ul> <li>100Base-T4</li></ul>	
14		

., Ethernet	Gigabit Ethernet	Classic Ethernet Improvements
Medium Access Control Sublayer, Topic 6.2&7.1, Ethernet	<ul> <li>802.3z:</li></ul>	

Medium Access Control Sublayer, Topic 6.2&7.1, Ethernet	Gigabit Ethernet Wiring	Classic Ethernet Improvements
6.2&7	Wiring Options:	
opic	- 1000Base-SX	
er, To	- 1000Base-LX	
blaye	- 1000Base-CX	
nS lc	- 1000Base-T	
Contro	■ Encoding (fiber)	
ess (	- 8B/10B	
Acc	- 4 identical bits:	
dium	- Six 0s or six 1s:	
Me	■ Encoding (1000Base-T)	
	Flow control	
16	■ 802.3ae	



I, Ethernet	Why Ethernet?	Classic Ethernet Improvements
Medium Access Control Sublayer, Topic 6.2&7.1, Ethernet	Competition:  Reliability: Simple: Maintenance: TCP/IP: Stability:	
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