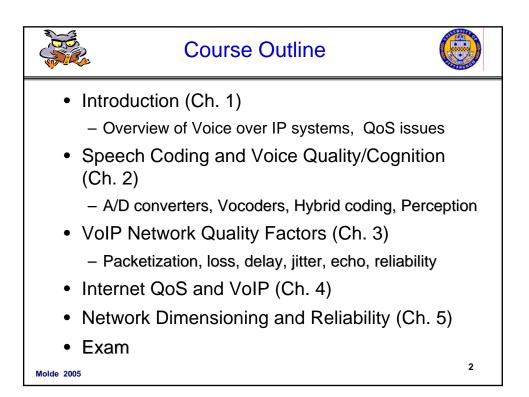
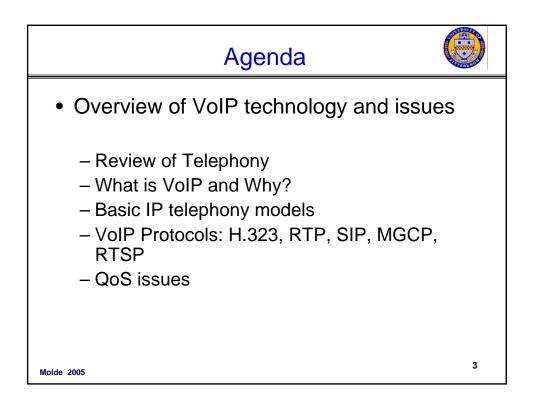
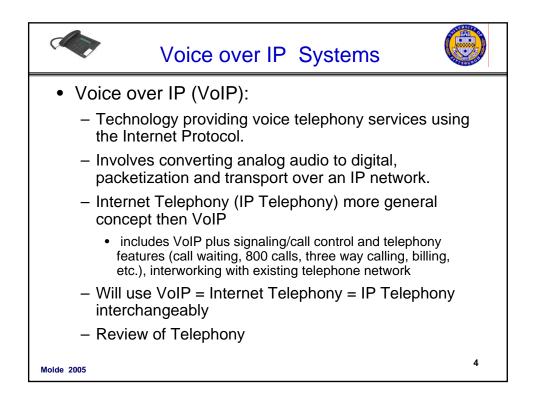
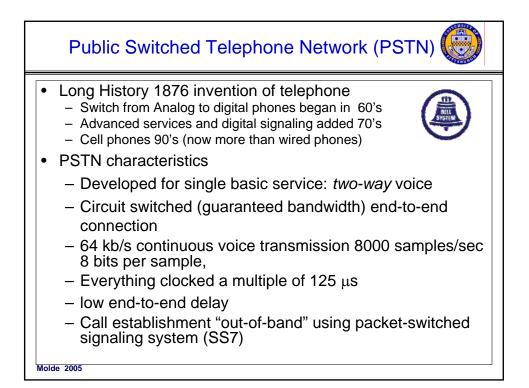
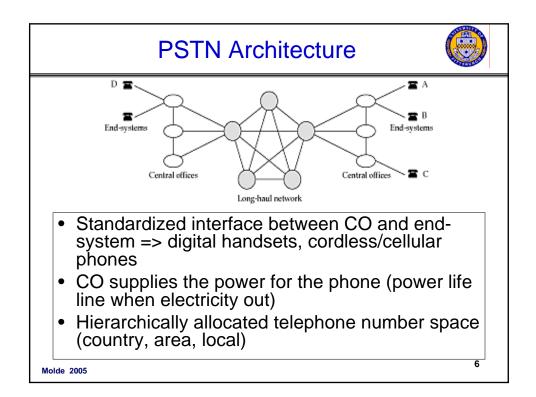
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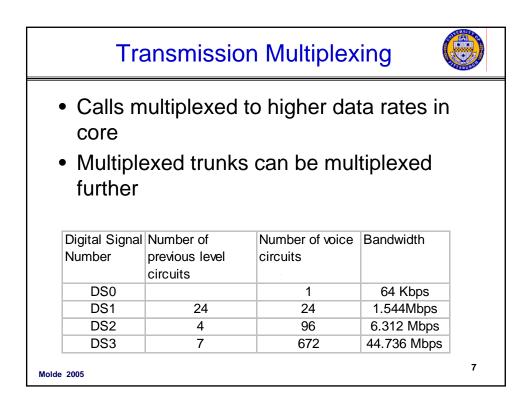


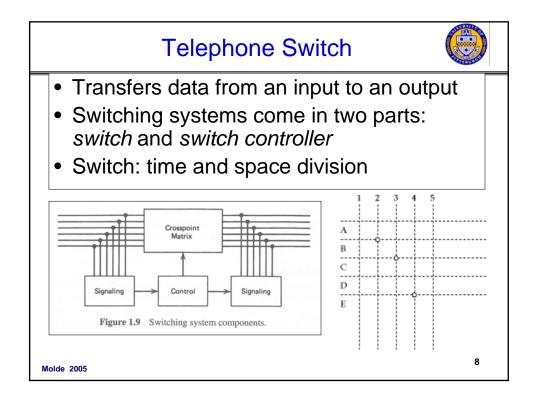


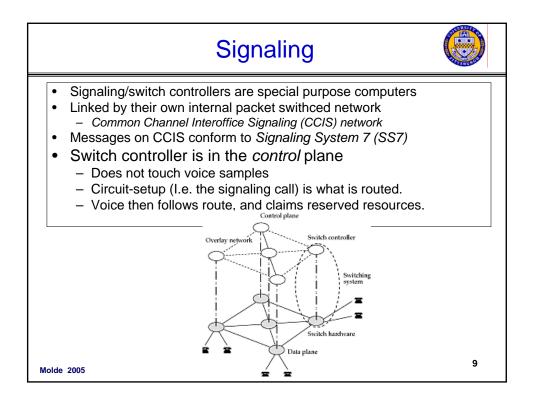


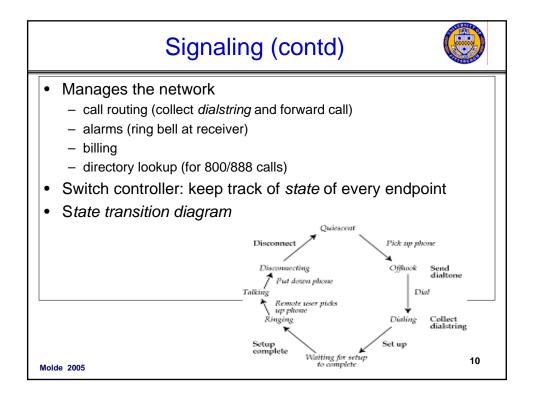


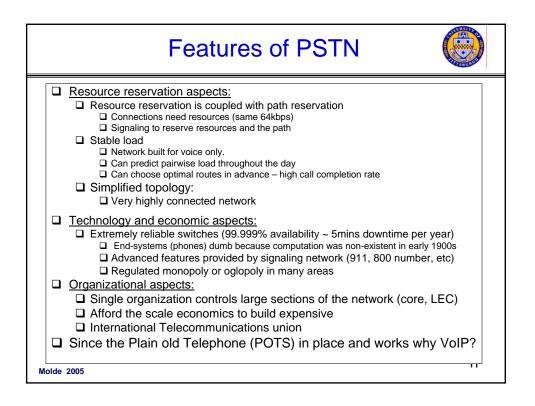


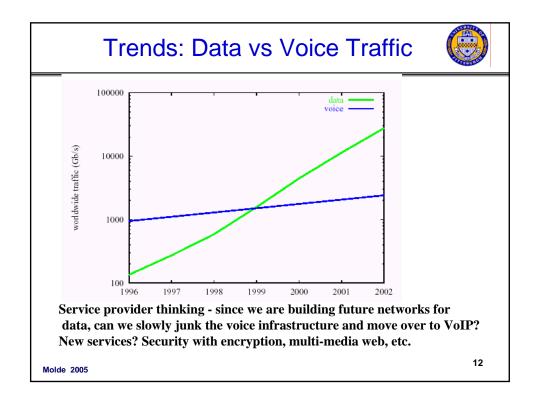


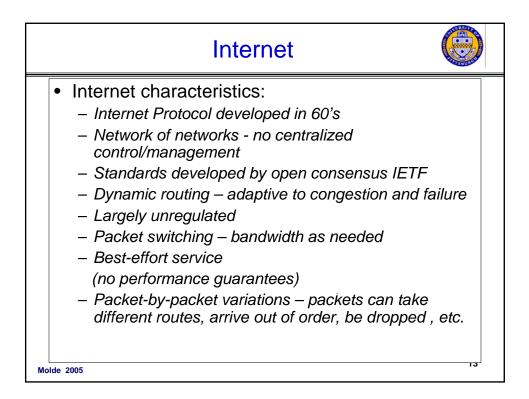


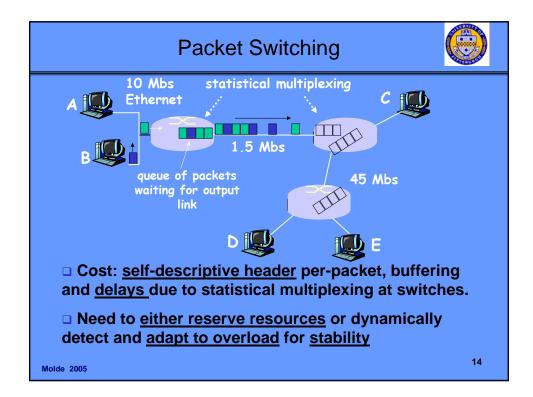


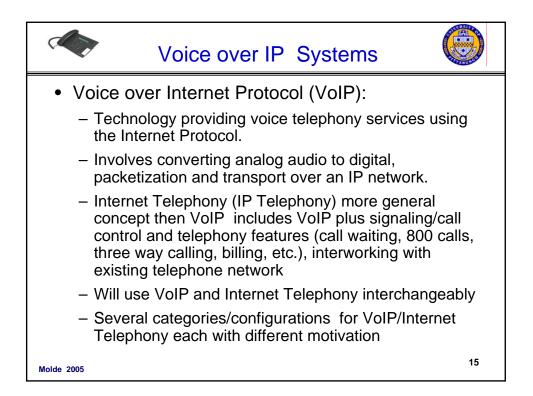


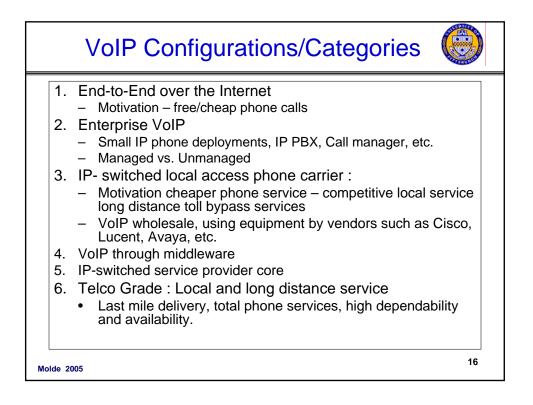


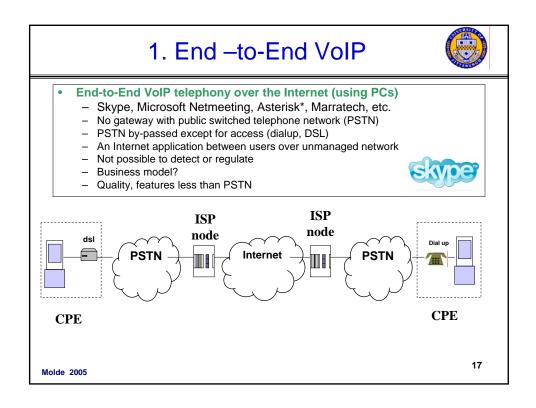


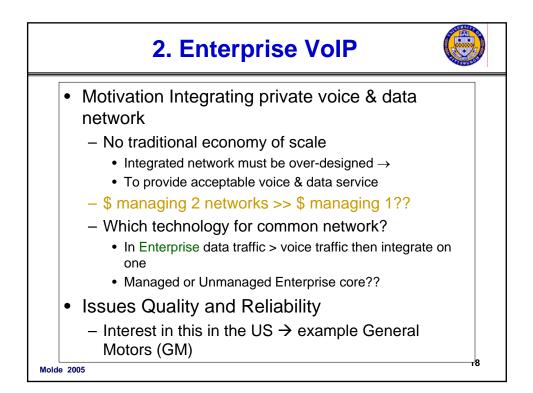


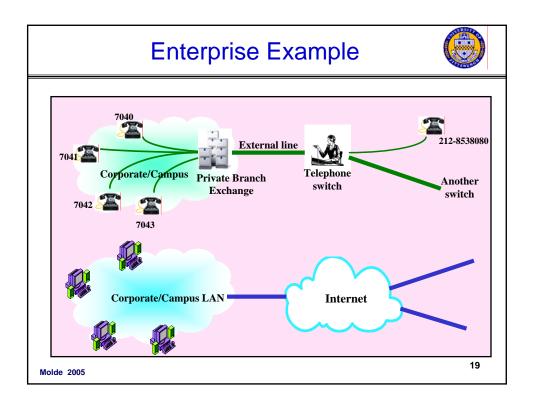


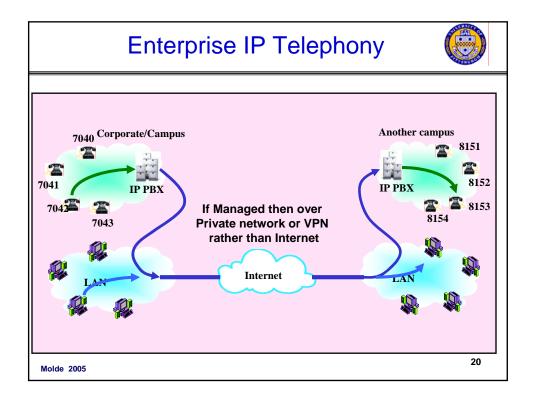


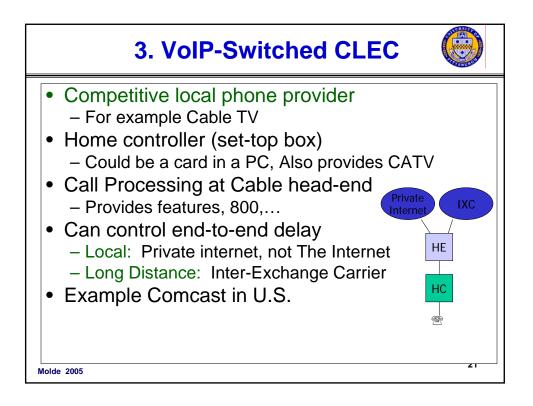


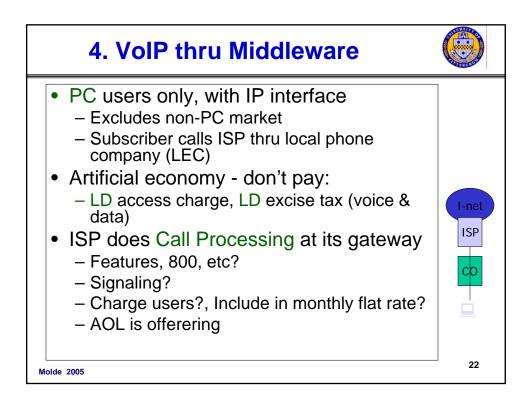


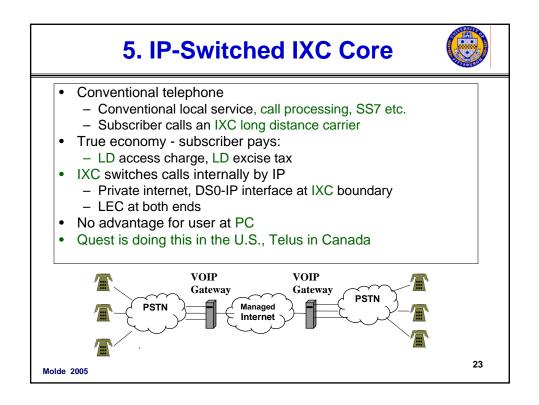


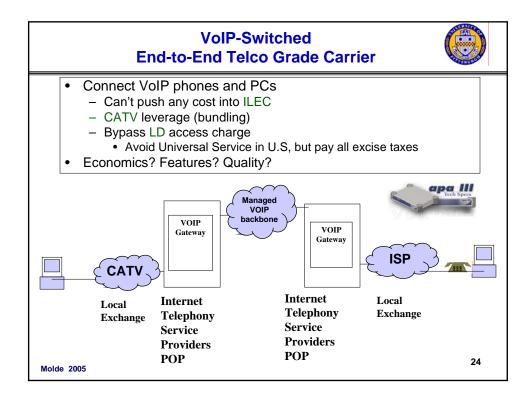


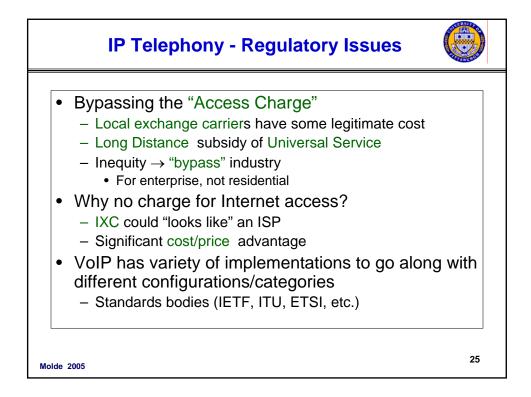


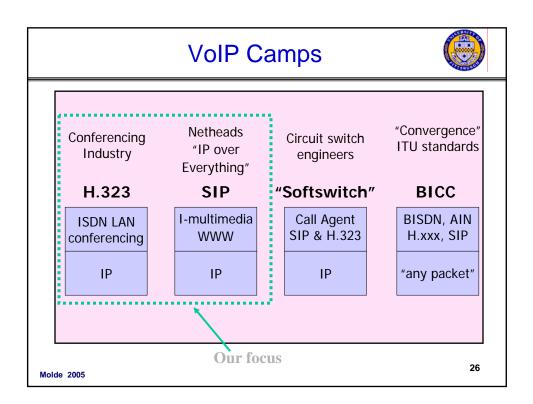


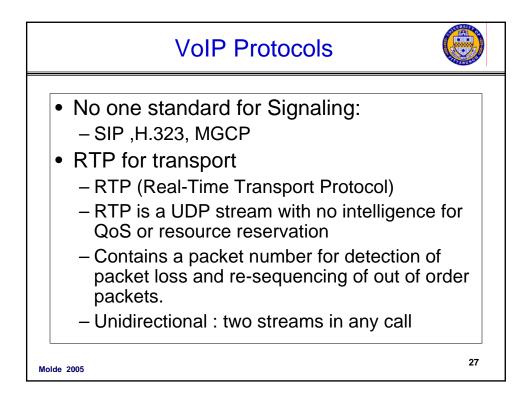




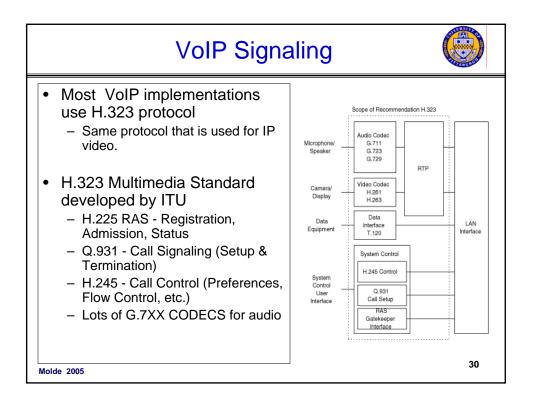




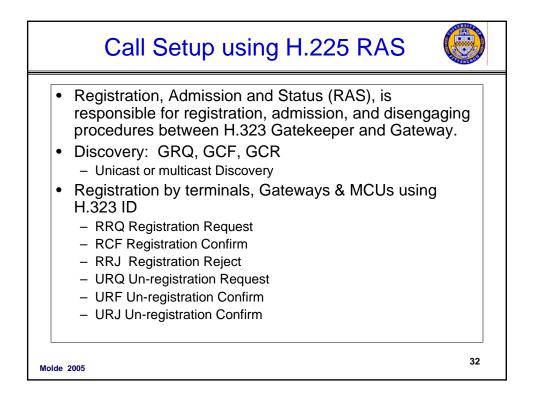


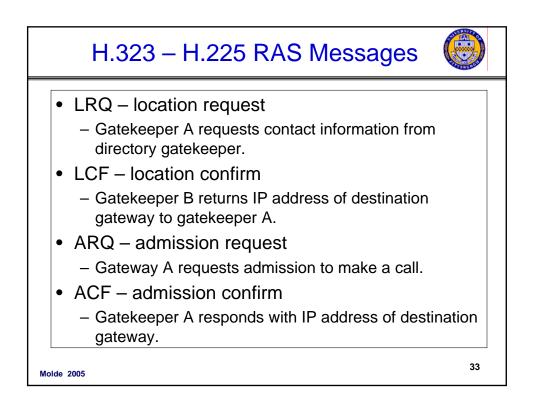


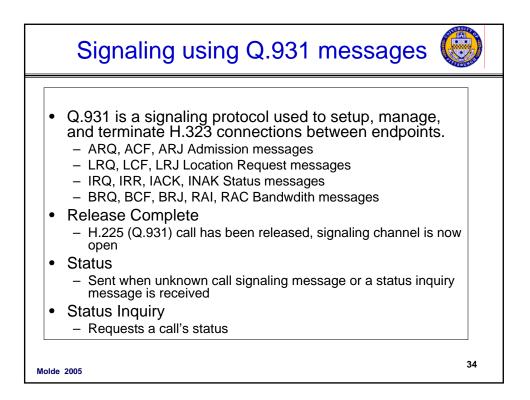
ISO Model Layer	Protocol or Standard			
Presentation	VoIP CODECS			
Session	H.323 & SIP&MGCP			
Transport	RTP / UDP / TCP			
Network	IP			
Data Link	ATM, FR, PPP, Ethernet, SONET, etc.			



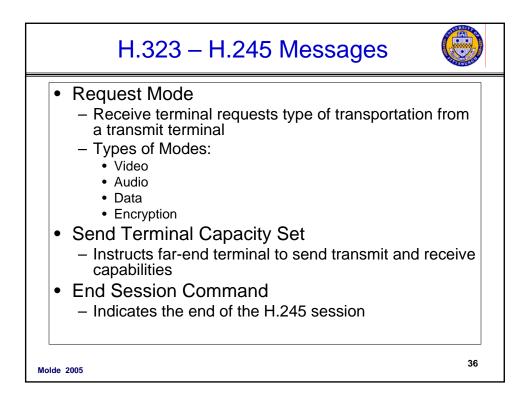
	H.323 Entities
- - - - - - - - - - - - - - - - - - -	rminals An endpoint that supports 2-way streaming with another H.323 terminal or gateway Originates and terminates calls Includes videoconferencing stations, hard phones, & soft phones teways (Optional but really useful) Device that connects H.323 voice network to non-H.323 voice network (SIP or PSTN) Allows H.323 terminals to communication with non-H.323 terminals tekeepers (Also optional) Provides address translation (H.323 & E.164 to IP) Admission control for H.323 terminals and gateways Manage bandwidth allocation CU (multipoint control unit) MC – multipoint control ler • Routes call and control signaling to ensure endpoint compatibility MP – multipoint processor • Switches, mixes and processes vice and video streams to conferencing equipment

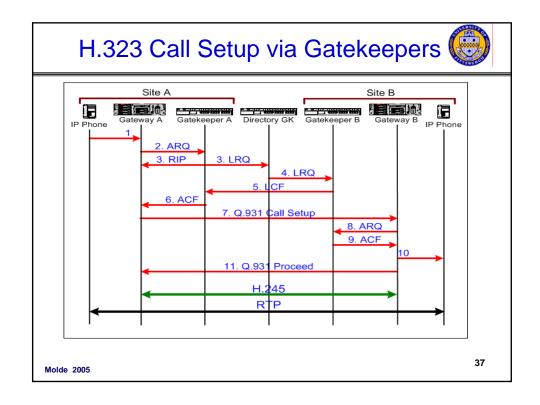


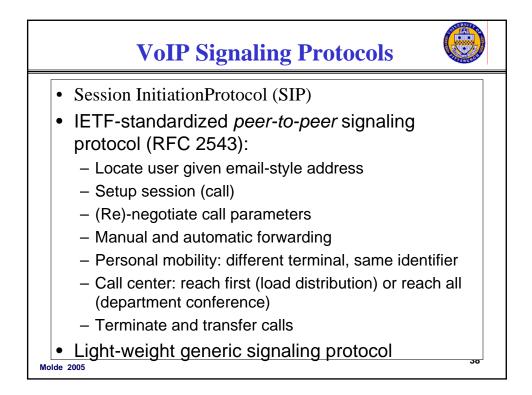




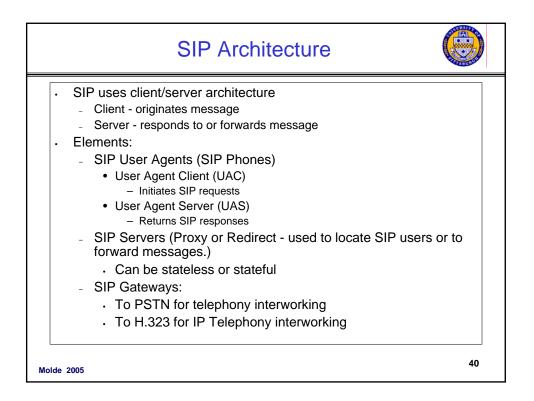
H.323 – H.245 Messages	
<ul> <li>Establishes logical channels for transmission of H.323 data</li> </ul>	
<ul> <li>Master/Slave Determination</li> </ul>	
<ul> <li>Determines which terminal will be master which will be slave in the call</li> </ul>	
<ul> <li>Terminal Capability Set</li> </ul>	
<ul> <li>Contains information on a terminal's ability to send and receive multimedia streams</li> </ul>	
Open Logical Channel	
<ul> <li>Opens logical channel for transport of multimedia data</li> </ul>	
Close Logic Channel	
<ul> <li>Closes the logical channel between two endpoints</li> </ul>	
Molde 2005 35	

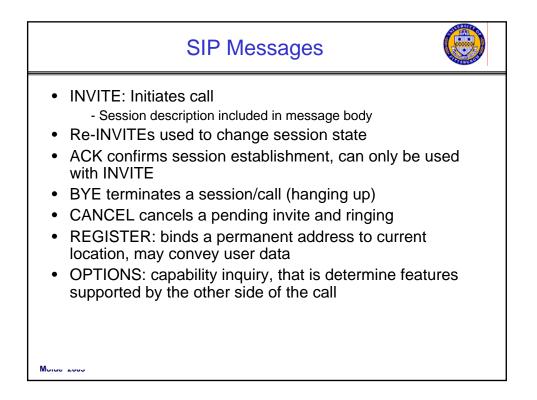


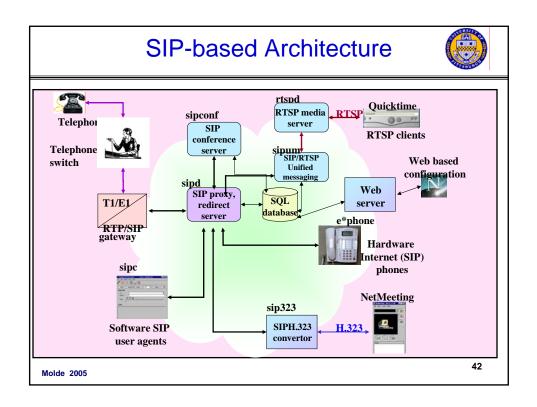


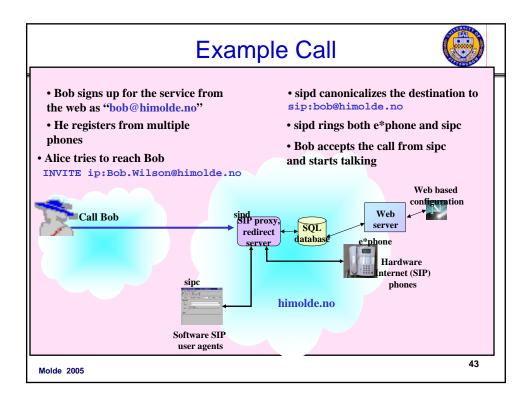


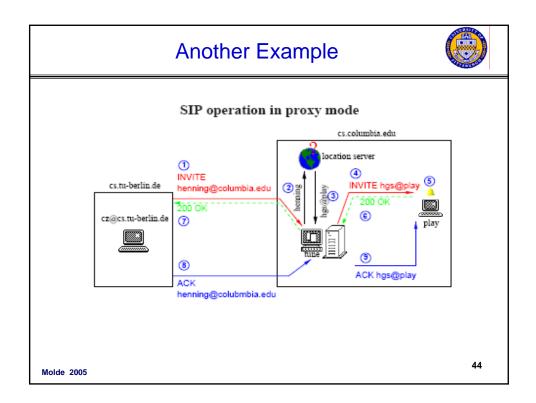
SIP	Addresses Fo	od Chain 🛛 🥘
yellow pages	"president	of the United States"
	*	W search engines
common names	"Bill Clinton, Whitehouse"	
host-independent	<i>↓ directory services</i> president@whitehouse.gov	
nest macpendent	∠ SIP	∖ SIP
host-specific	sip:bubba@oval.eop.gov ⊥ DNS	sip:+1-202-456-1111@net2ph
IP address	198.137.241.30	
e 2005		39

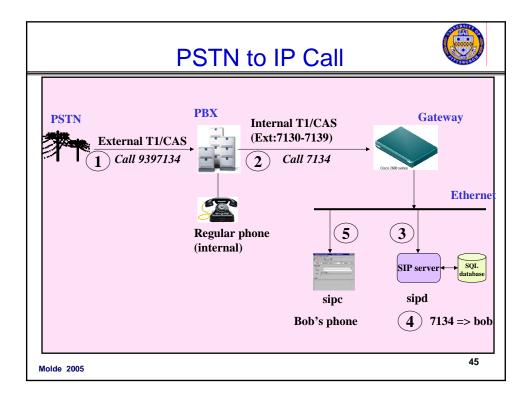


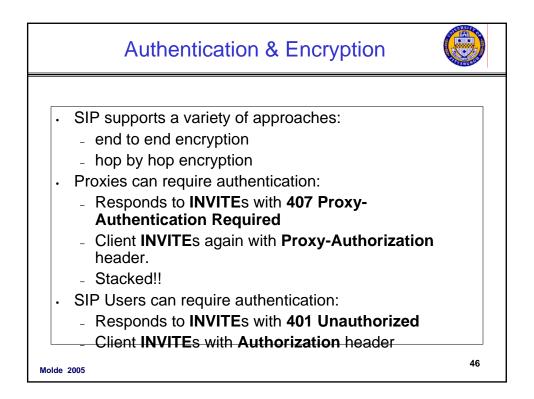


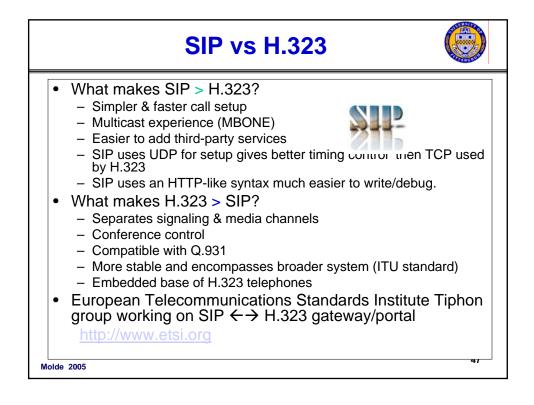


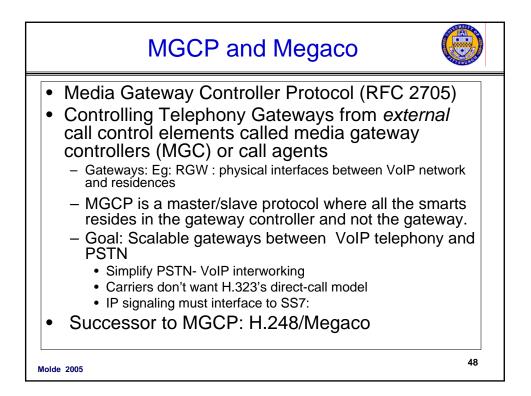


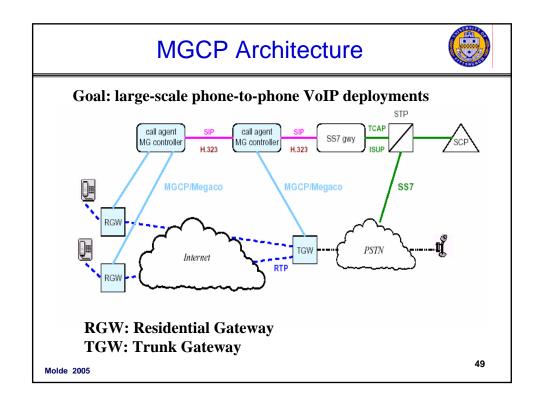


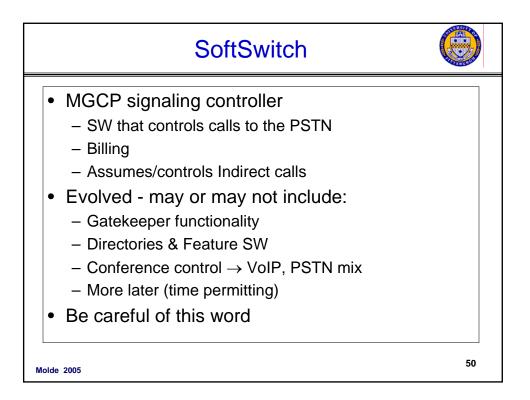


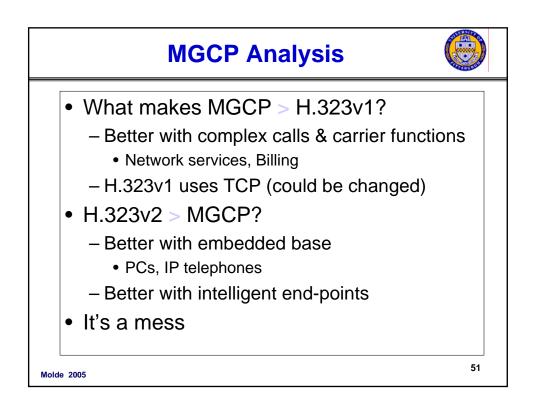












omparison of <u>s. Circuit Switc</u>	ching
Circuit	Packet
Database / SS 7 Overlay	H.323 & SIP
Dedicated	Shared
International Numbering Plan	IPv4 & IPv6
	S. Circuit Swite Circuit Database / SS 7 Overlay Dedicated International Numbering

