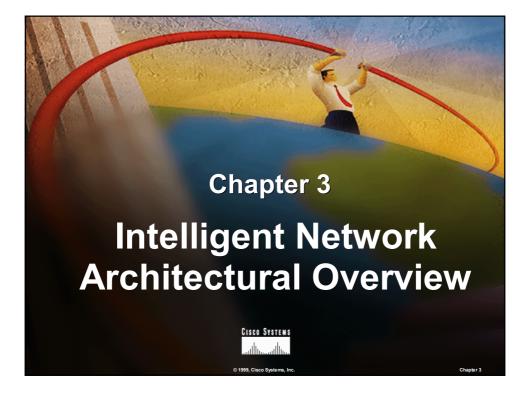


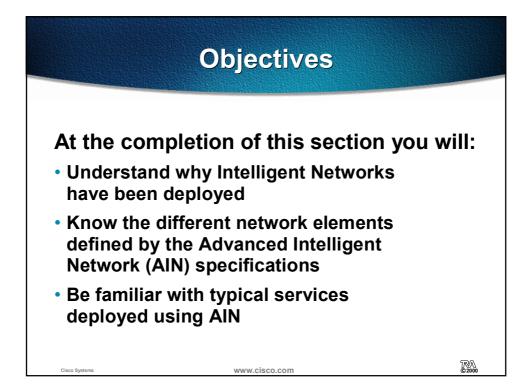
Signaling System #7 Evolution, Architecture and Applications Summary

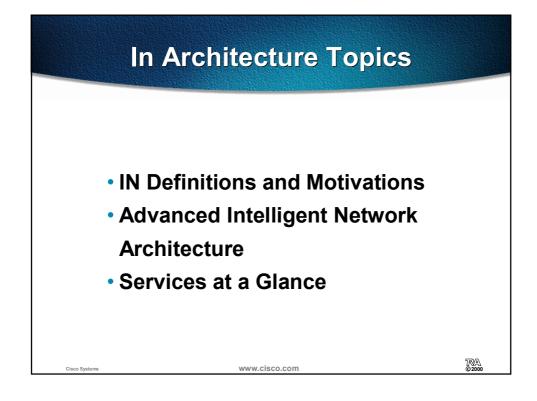
- SS7 is used to improve network efficiencies and, probably more importantly, to support network-based services
- SS7 supports 100% of the signaling traffic in the AT&T, MCI WorldCom and Sprint networks
- 800 portability drove widespread deployment of SS7 in LEC networks
- Interconnection of LEC and IEC SS7 Networks supports services like 800 Portability and Nationwide Caller ID
- SS7 Network Architecture has been designed to provide extremely reliable transport of signaling information
- · SS7 plays a fundamental role in the "Intelligent Network"

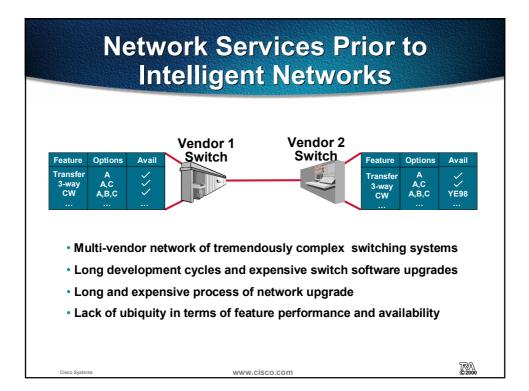
www.cisco.com

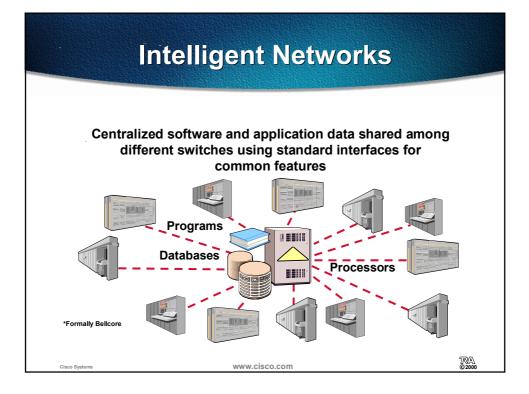
RA © 2000

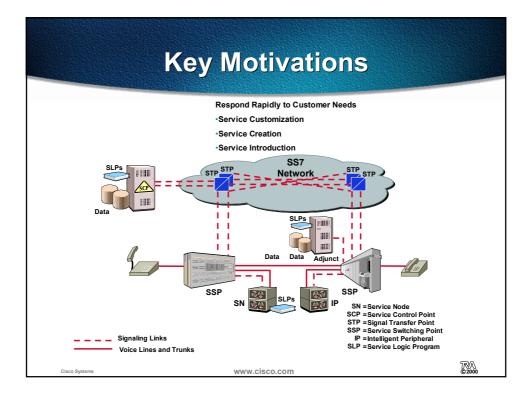


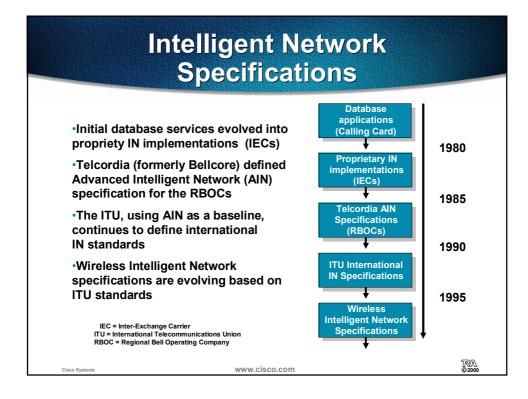


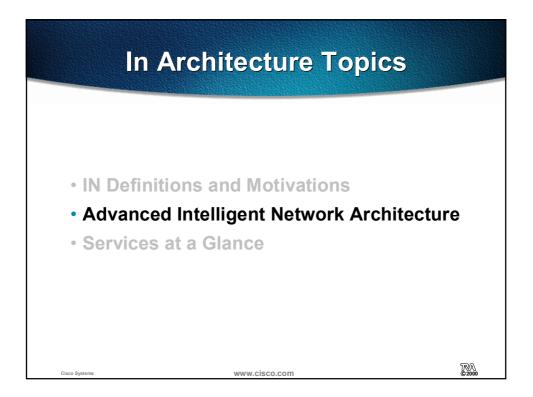


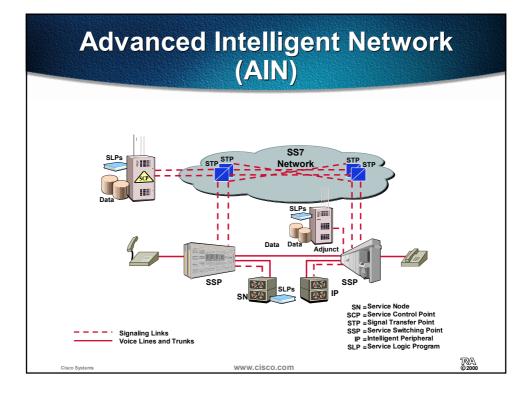












Service Switching Point (SSP)

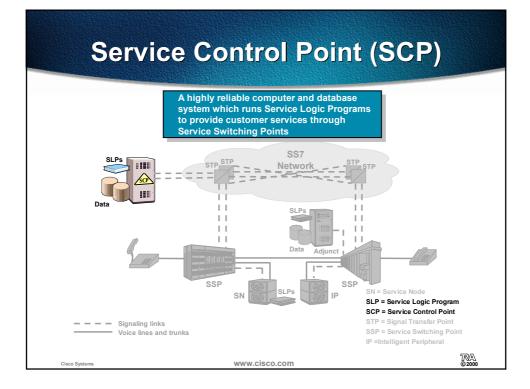
A switching system (such as DMS-100, 5ESS, GTD-5, AXE or EWSD), including any remote modules hosted by it, that is equipped with SS7 hardware, software, and signaling links For AIN, certain events occurring in processing a call (such as analyzing dialed digits with a toll-free dialing code or for Local Number Portability) will trigger suspension of call processing while communication occurs with another processor (either an SCP or adjunct)

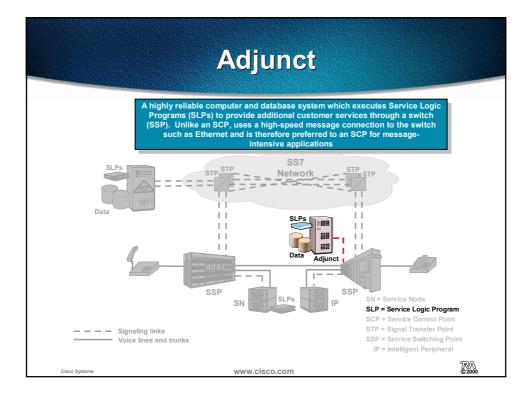


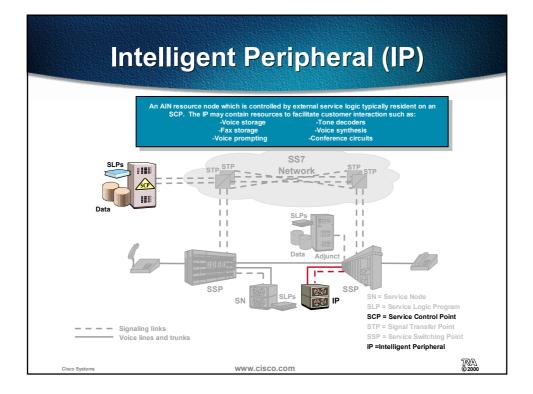
Cisco System

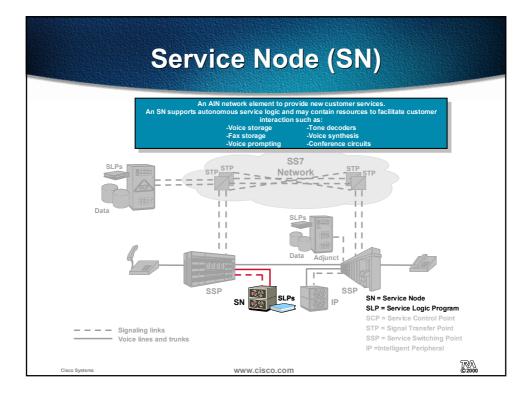
www.cisco.com

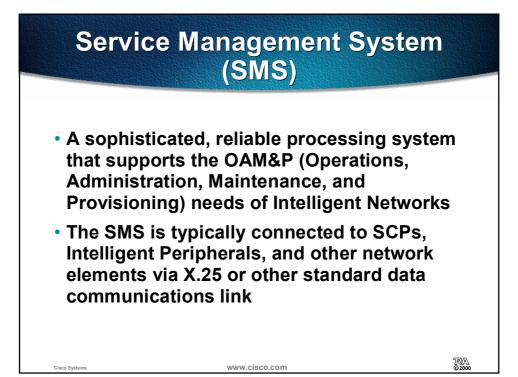
RA ©2000

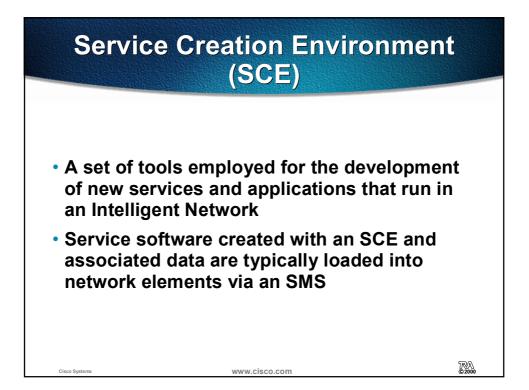


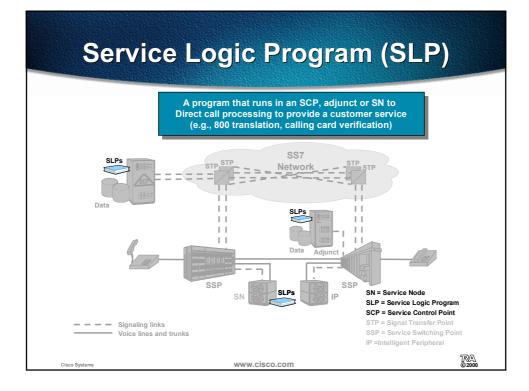


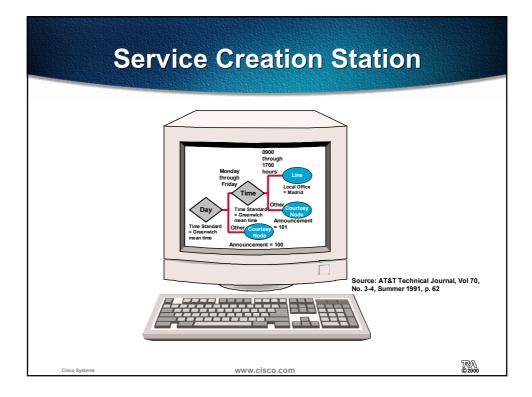


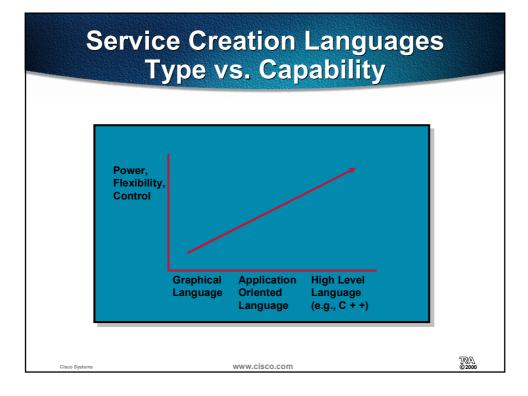


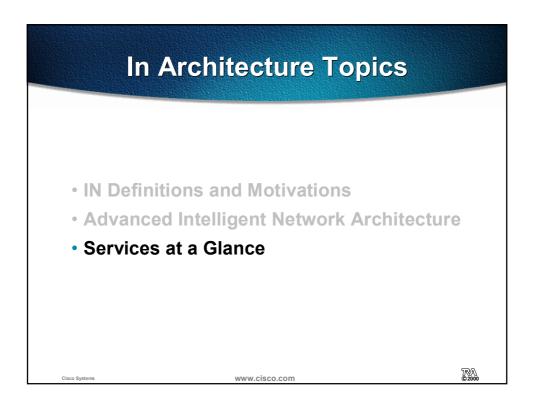


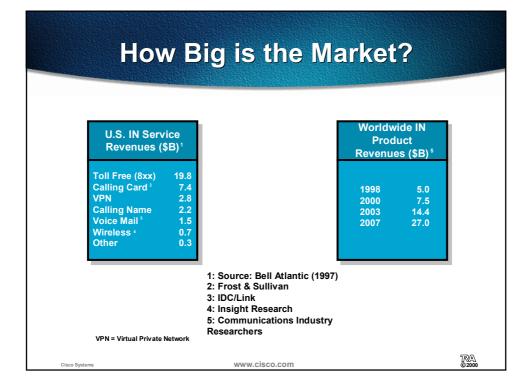


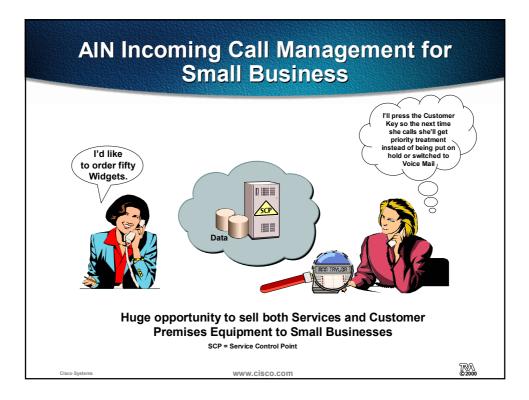


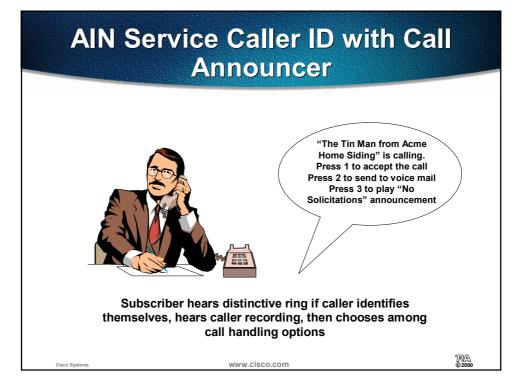




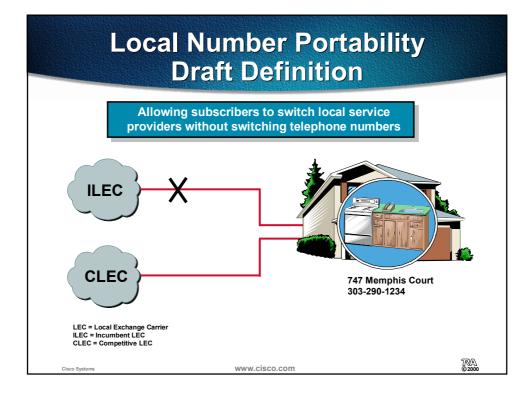


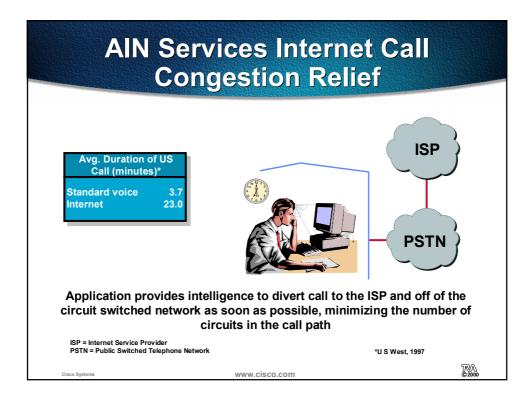












AIN Architectural Overview Summary

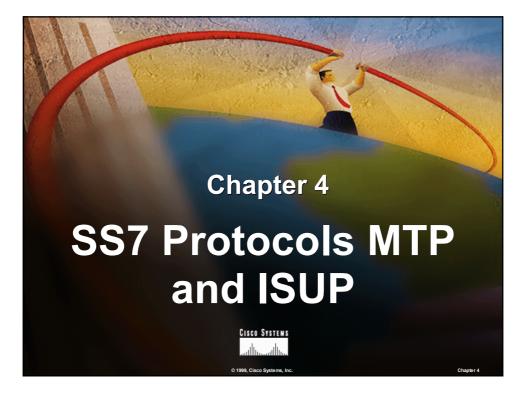
- AIN gives Network Service Providers increased control over the services offered in their networks
- Service Control Points and Adjuncts connect to the SSP via a data link and provide instructions directing call processing
- Intelligent Peripherals and Service Nodes are connected SSP via a voice path and a data link and directly control the call
- A Service Logic Program is the software running in an AIN network element that directs call processing to provide a customer service
- LECs, IECs, CAPs, Cable Companies and Wireless Providers are using Intelligent Networking as a way to efficiently introduce new services into their networks

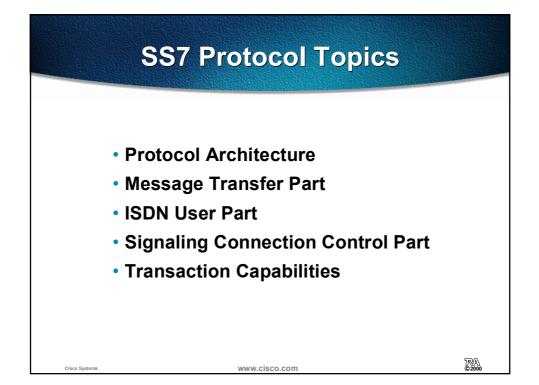
SSP = Service Switching Point LEC = Local Exchange Carrier IEC = Interexchange Carrier CAP = Competitive Access Provider

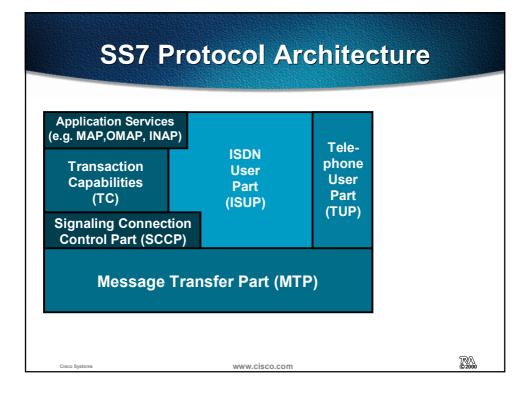
Cisco Systems

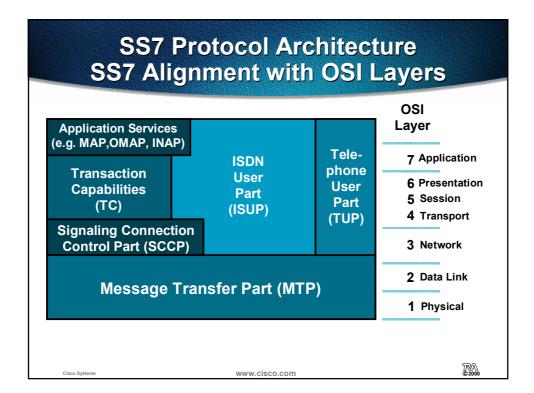
www.cisco.com

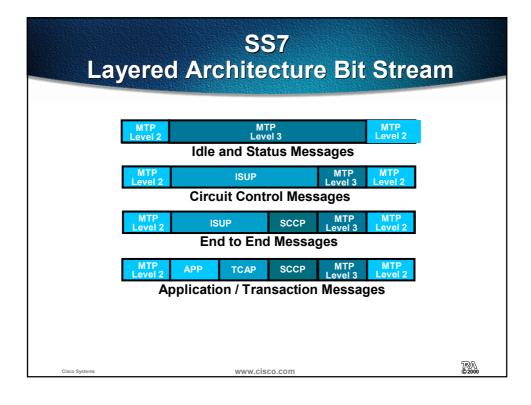
RA © 2000

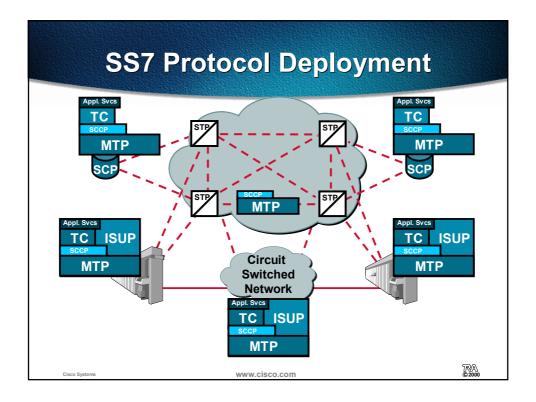


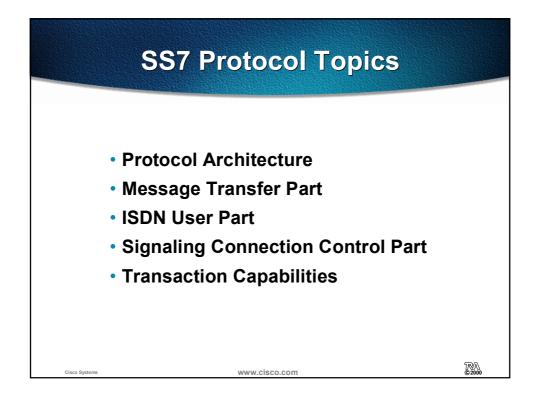


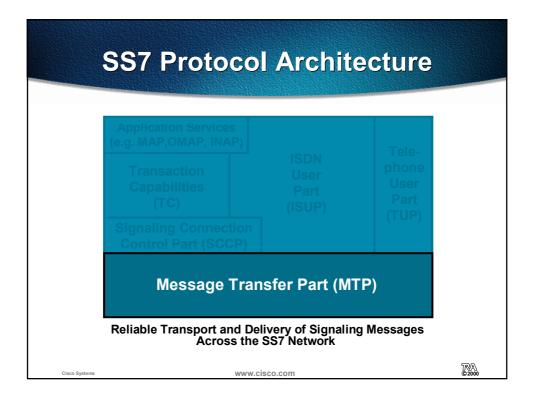


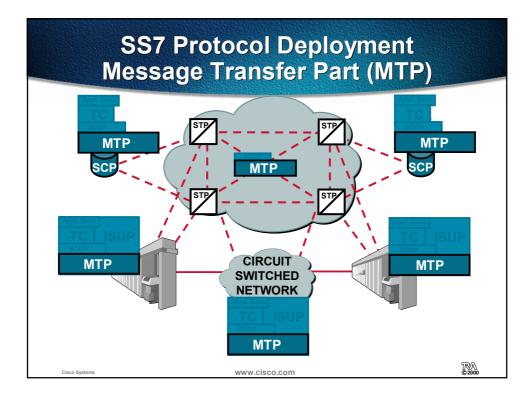


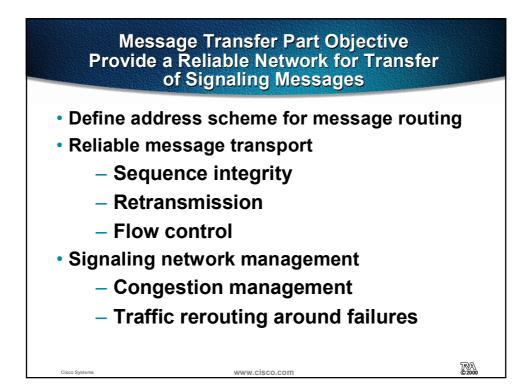


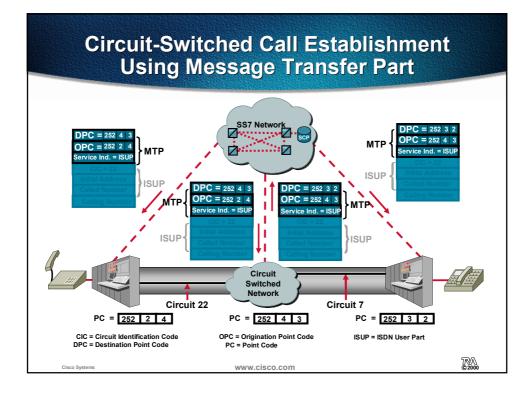


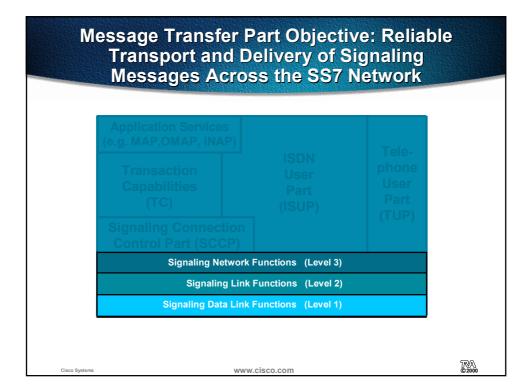


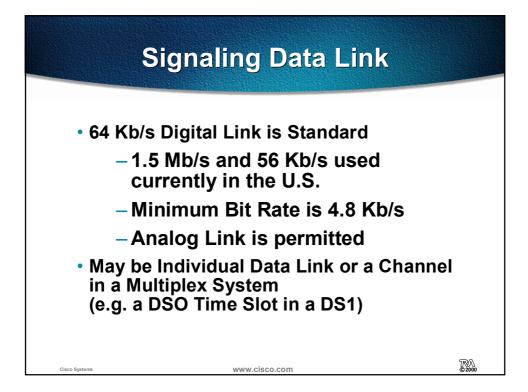


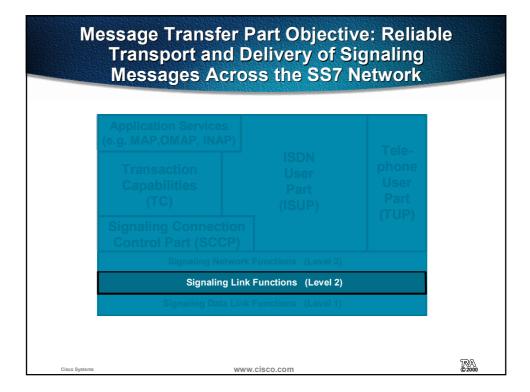


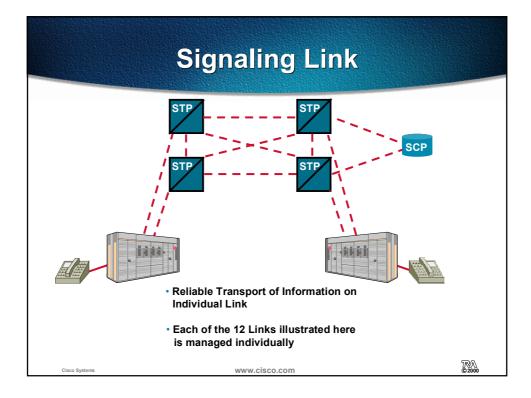


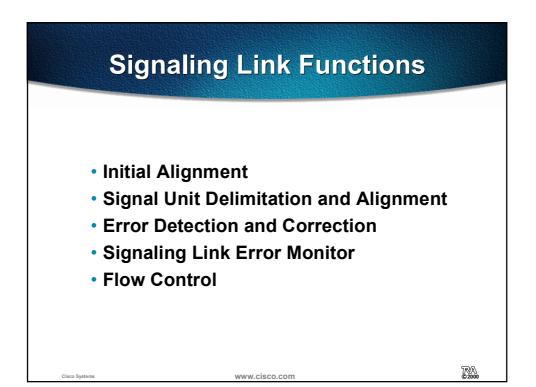


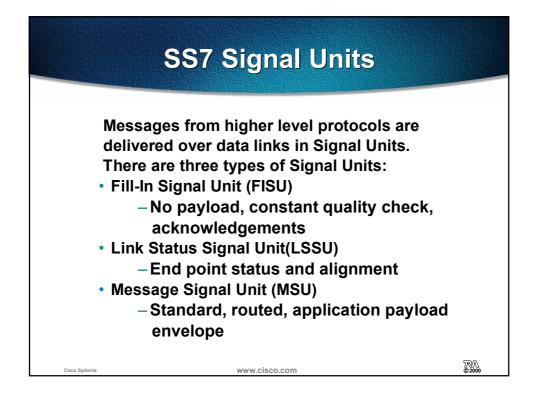


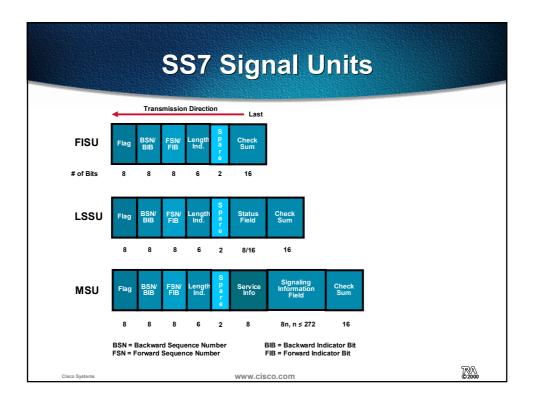


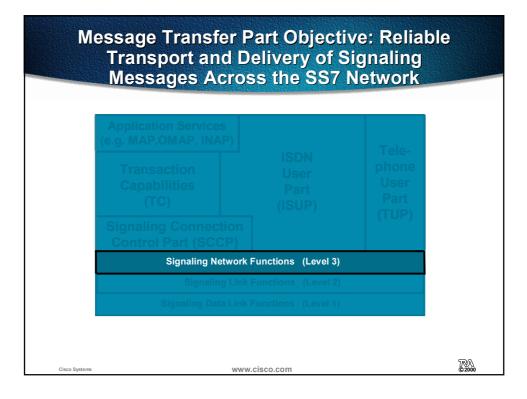


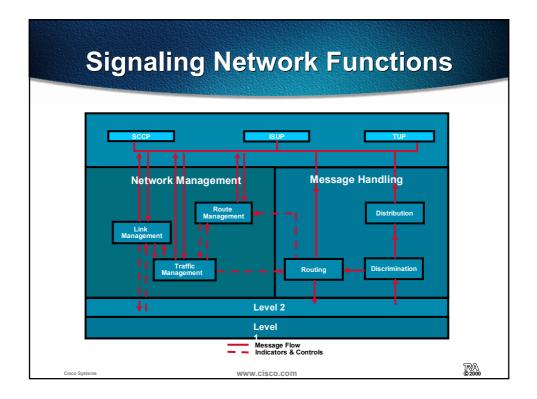


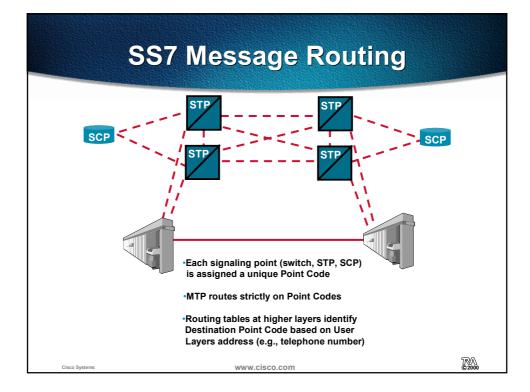


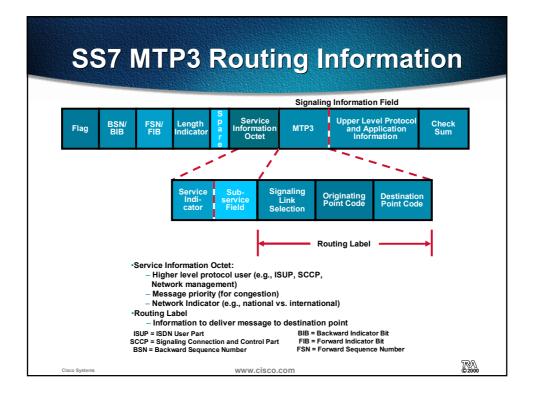


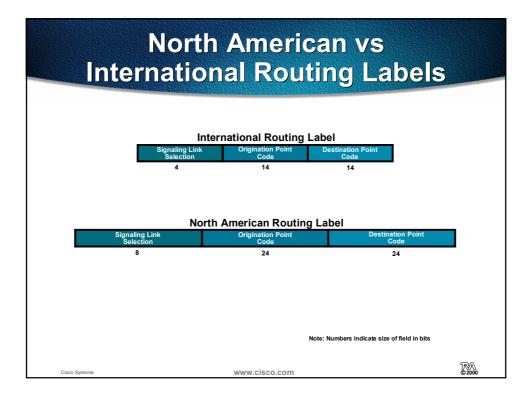


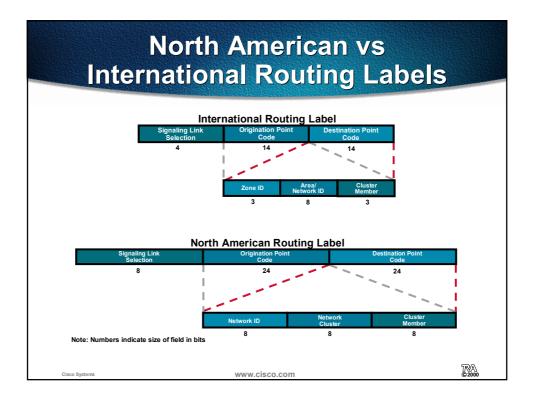


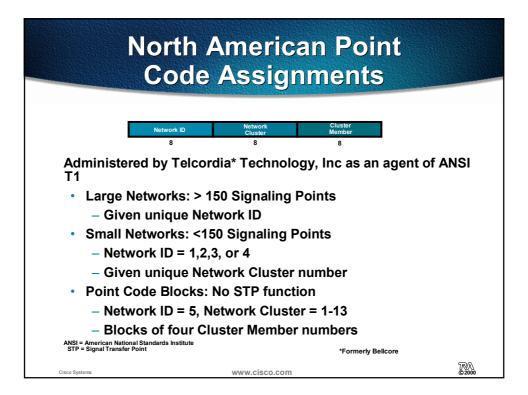


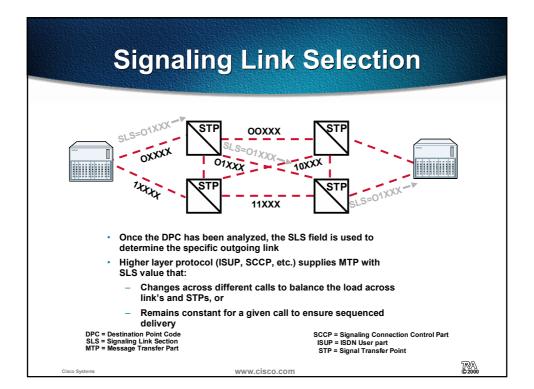


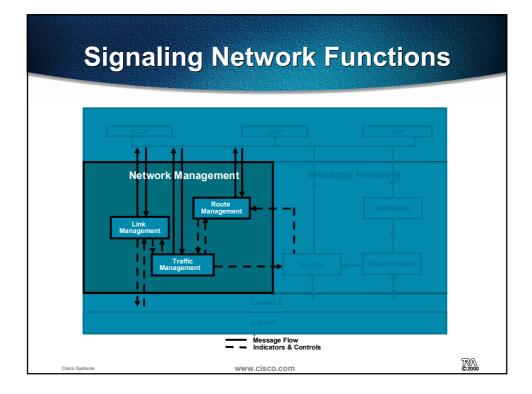


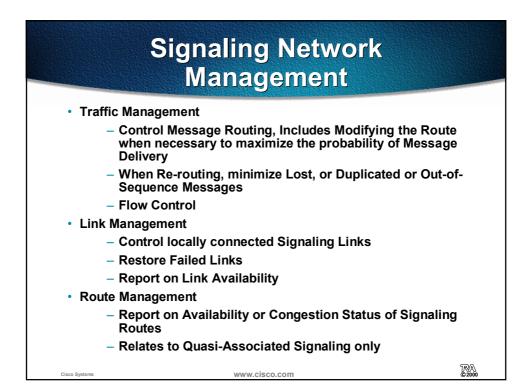


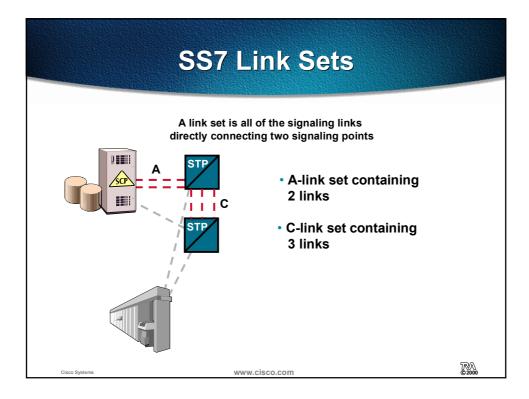


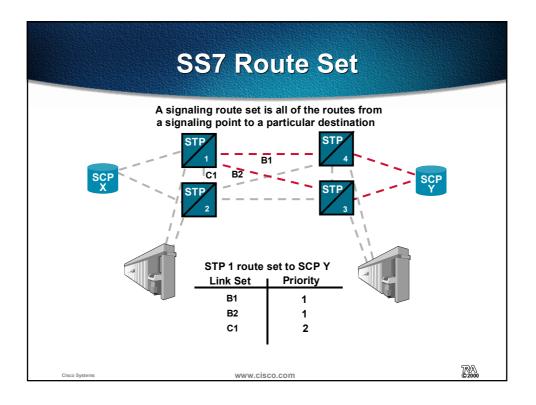


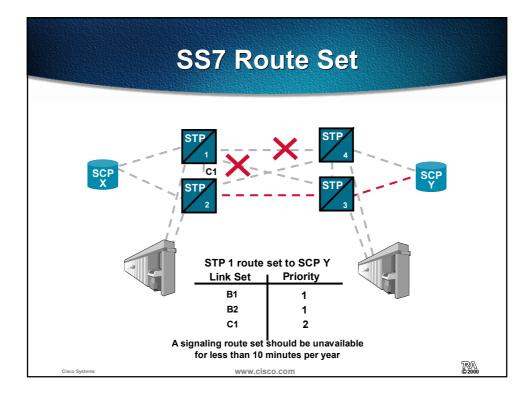


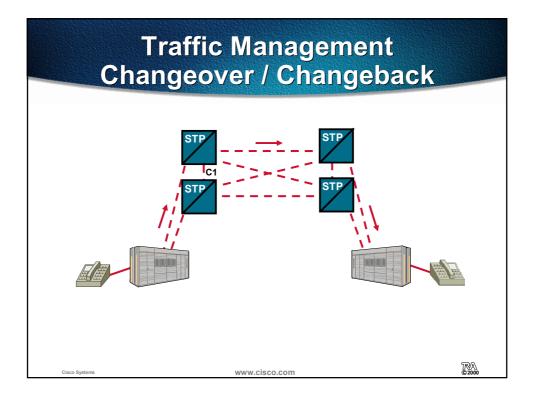


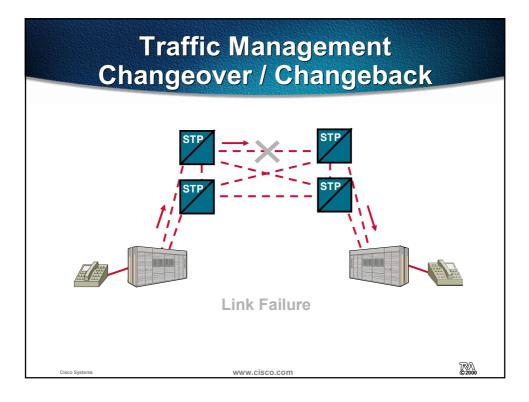


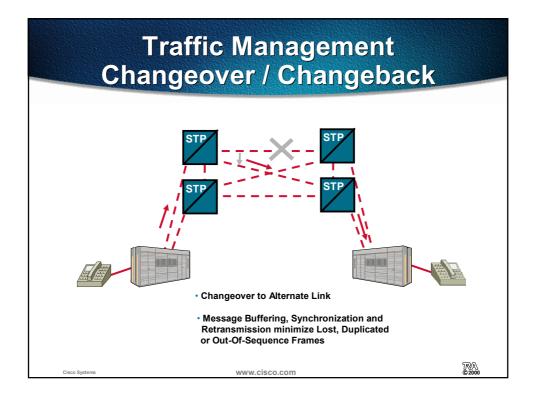


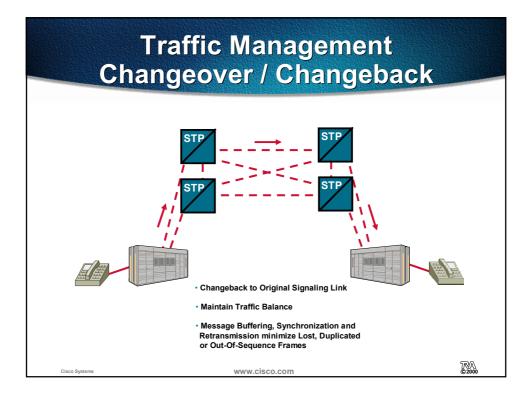


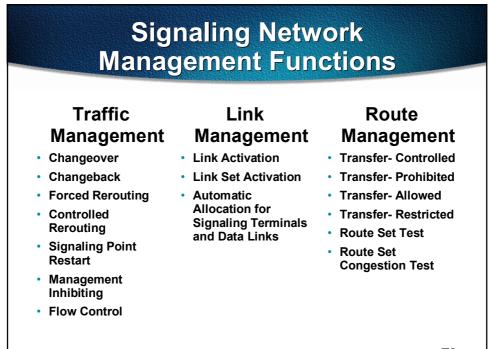












RA © 2000

