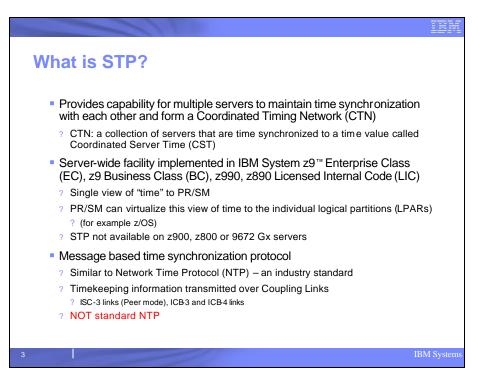
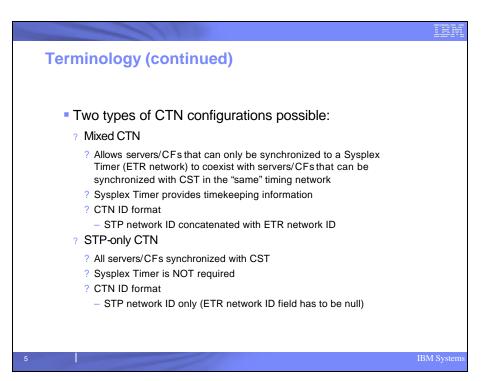


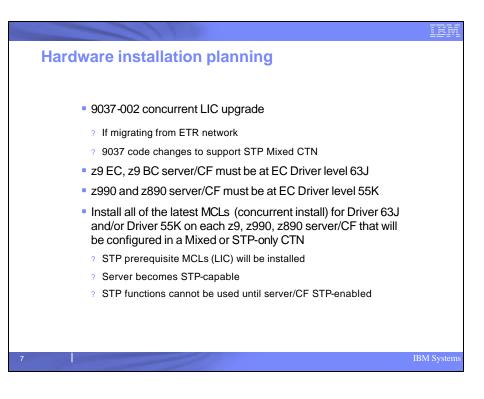
	IEM
Agenda	
<ul> <li>STP Overview</li> <li>? Terminology</li> <li>Migration Considerations</li> <li>? Hardware installation planning</li> <li>? Connectivity planning</li> </ul>	
<ul><li>? Software installation planning</li><li>Recovery Considerations</li></ul>	
<ul> <li>STP Recovery concepts</li> <li>Mixed-CTN recovery</li> <li>STP-only CTN recovery</li> </ul>	
? Site failure scenarios	
2	IBM Systems

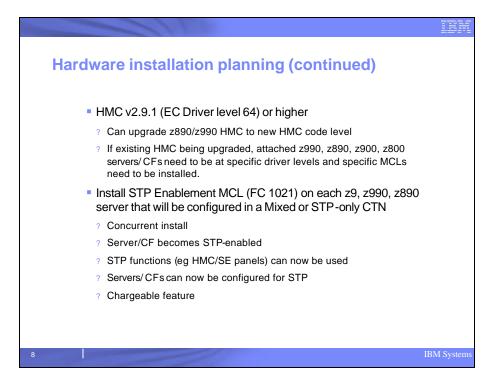


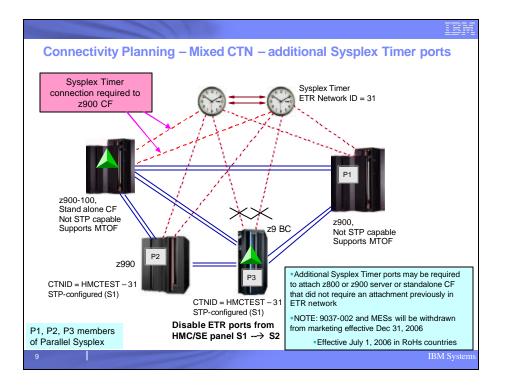
	TEM
Terminology	
STP-capable server/CF	
2 z9 EC, z9 BC, z990, z890 server/CF with STP LIC installed	
STP-enabled server/CF	
? STP-capable server/CF with STP FC 1021 installed	
? STP panels at the HMC/SE can now be used	
STP-configured server/CF	
? STP-enabled server/CF with a CTN ID assigned	
? STP message exchanges can take place	
CTN	
<ul> <li>Collection of servers that are time synchronized to a time value called Coordinated Server Time (CST)</li> </ul>	
CTN ID	
? Servers / Coupling Facilities (CFs) that make up a CTN are all configured with a common identifier CTN ID	
4	IBM Systems

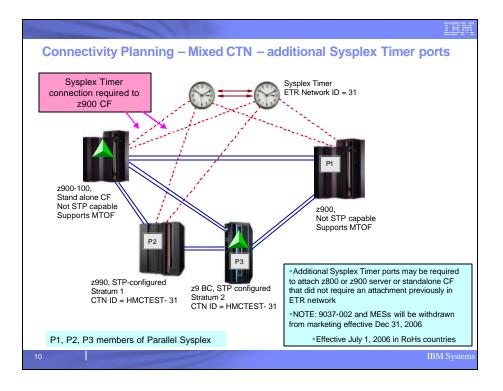


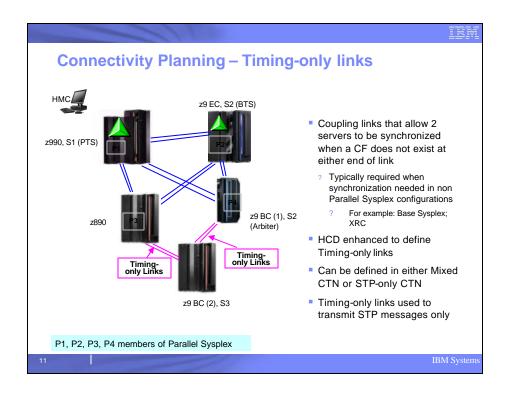


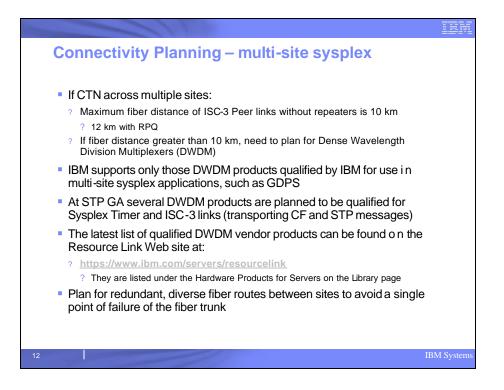


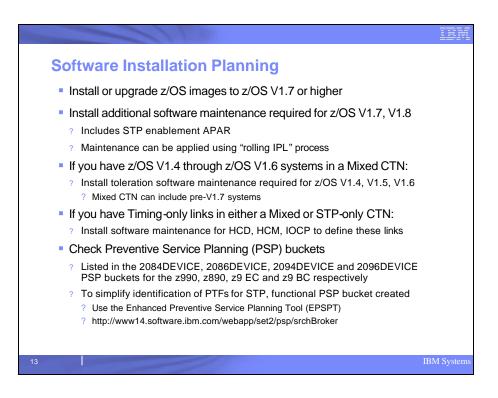




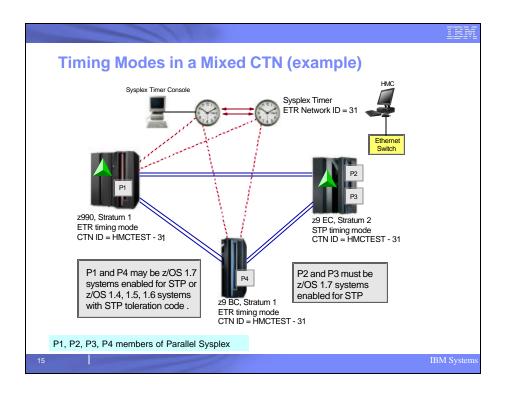


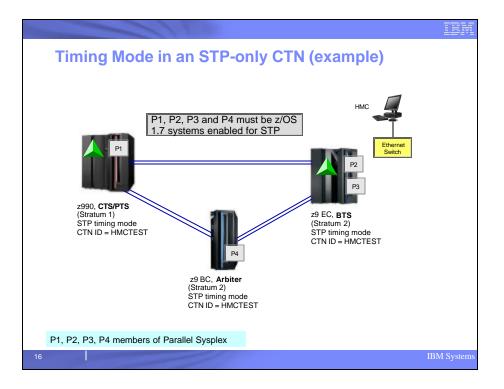




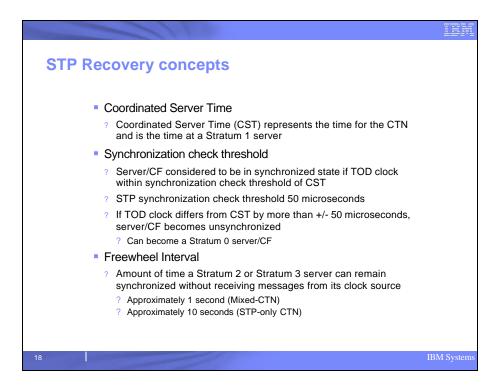


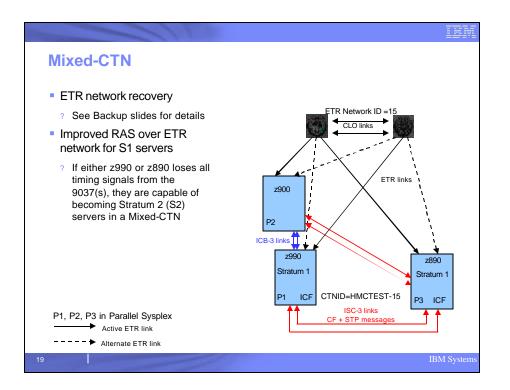
CLOCKxx	
Update the CLOCKxx member of SYS1.PARMLIB	
CLOCKxx statements	
? OPERATOR PROMPT NOPROMPT	
? TIMEZONE WIE hh.mm.ss	
? ETRMODE YES NO	
? ETRZONE YESINO	
? SIMETRID nn (where nn = $0 - 31$ )	
? STPMODE YESINO	
? Specifies whether z/OS is using STP timing mode	
<ul><li>? STPMODE YES default</li><li>? STPZONE YESINO</li></ul>	
<ul> <li>? Specifies whether the system is to get the time zone consta</li> </ul>	Int from STP
? ETRDELTA ss   TIMEDELTA ss (where ss = 0 - 99 sec	
14	New statements for STP IBM Systems
14	IDIVI Systems

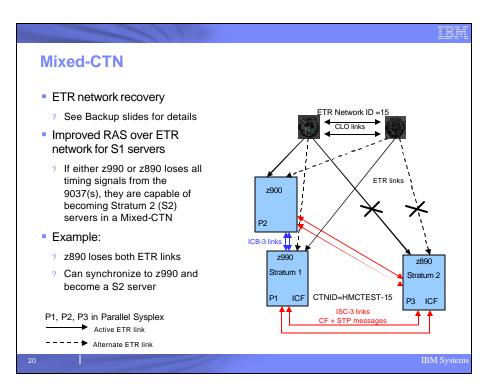


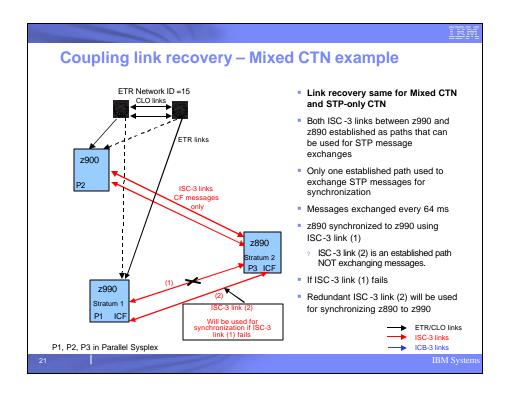


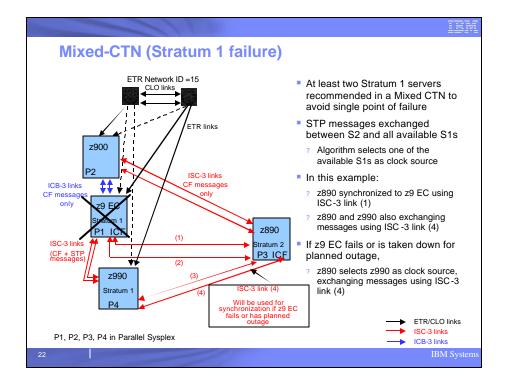


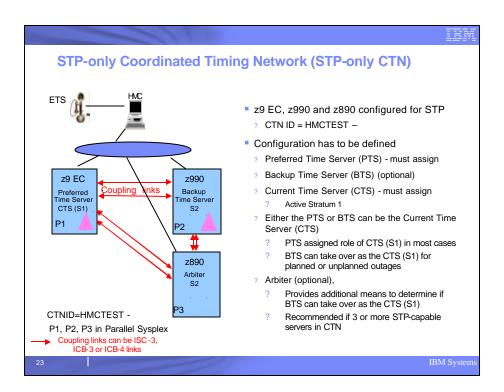


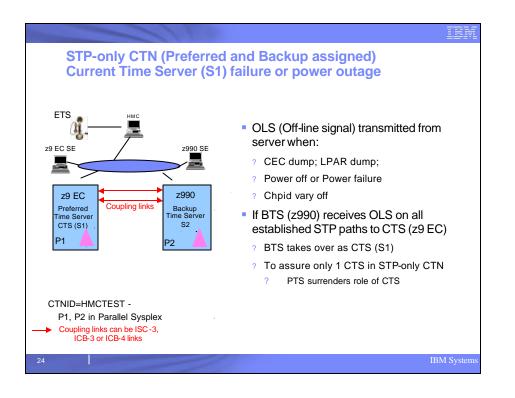


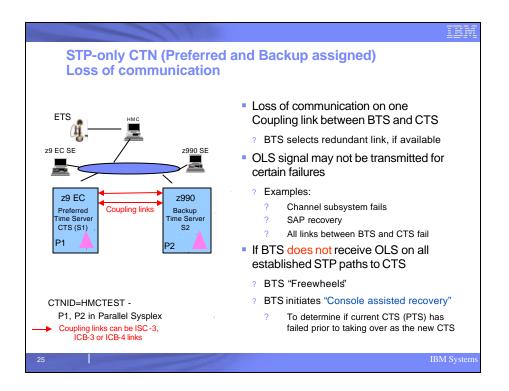


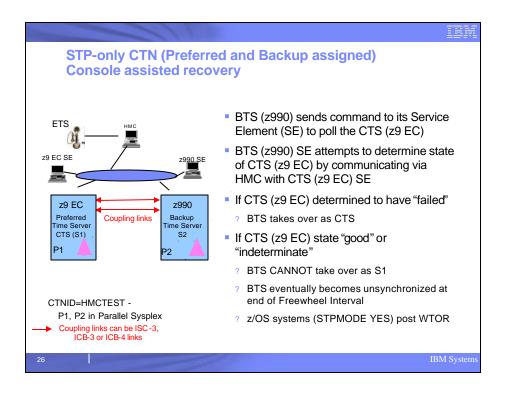


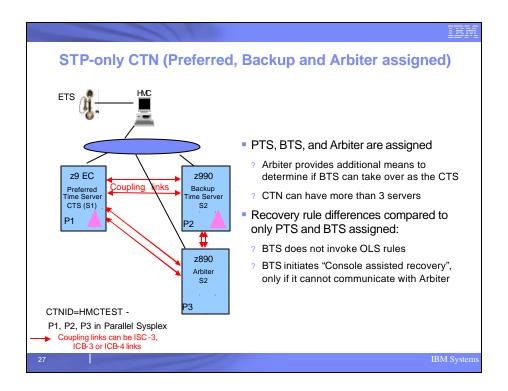


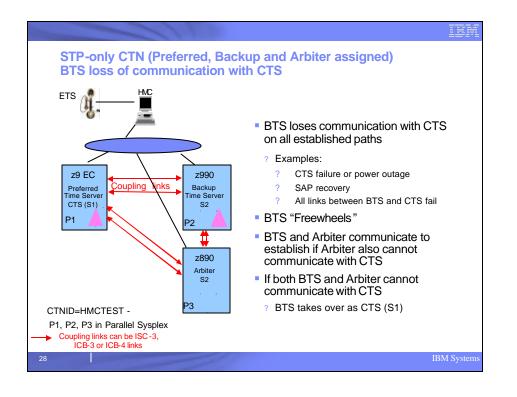


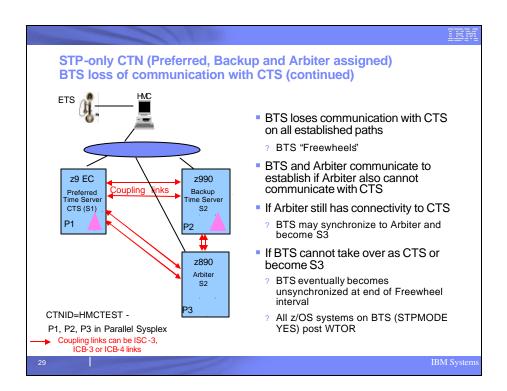


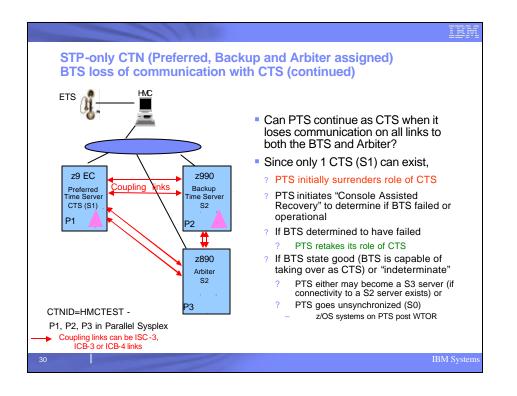


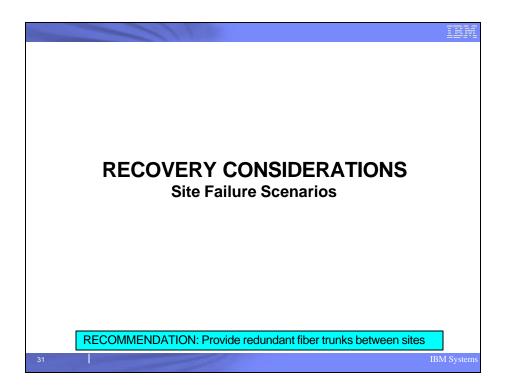


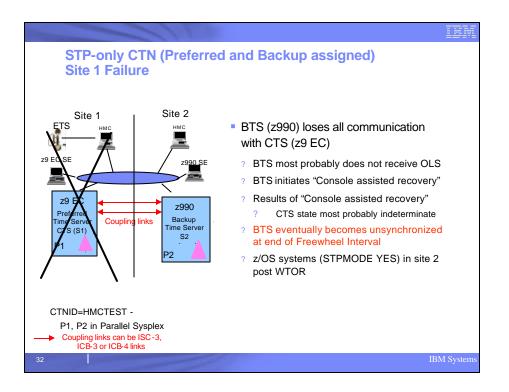


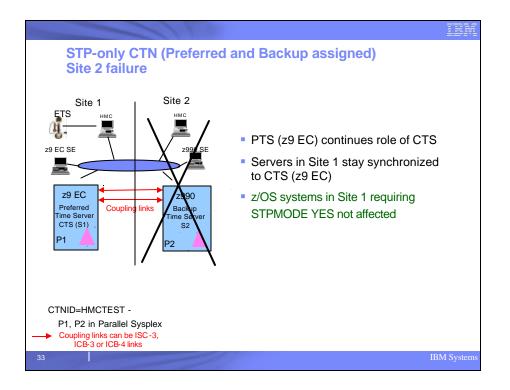


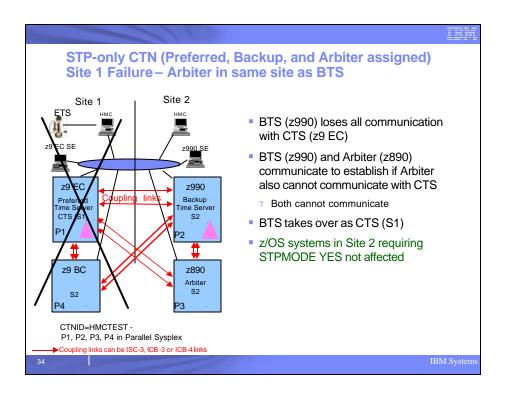


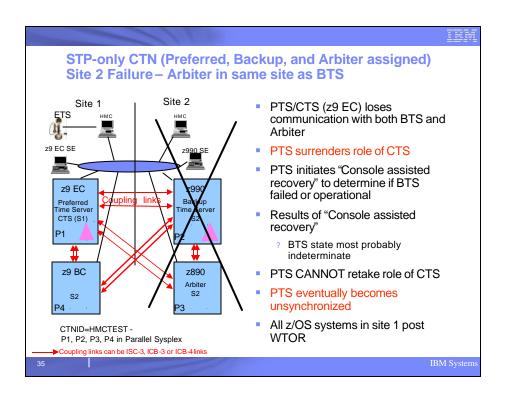


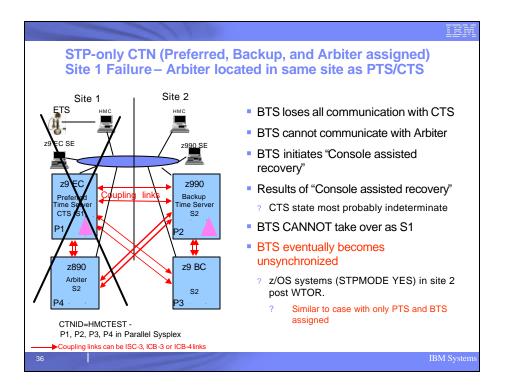


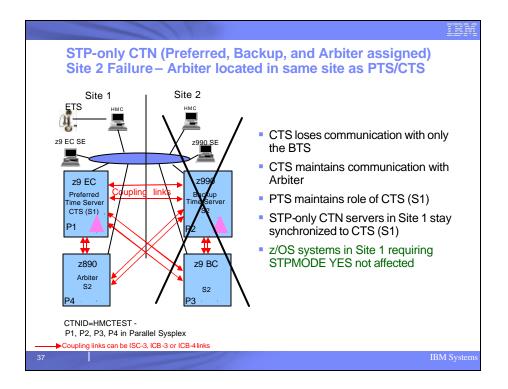




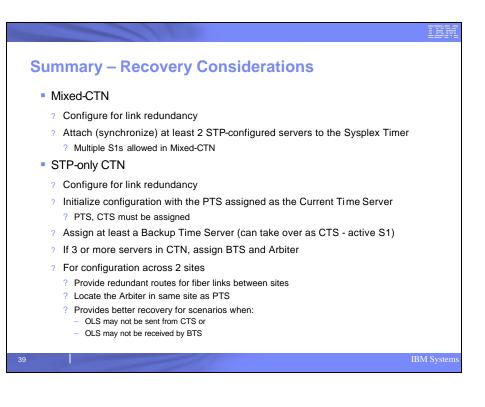








	TEM
Summary – Migration Considerations	
Preparation	
? Install 9037-002 LIC upgrade (if migrating from ETR network)	
? Install hardware MCLs	
? Upgrade HMC (if necessary)	
? Install additional Sysplex Timer ports (if necessary)	
? Install Coupling links, DWDMs (if necessary)	
? Install all software maintenance for z/OS V1.7 or V1.8	
? Update CLOCKxx member	
? Install software maintenance for z/OS V1.4, V1.5, or V1.6 (toleration code)	
Enablement	
? Install STP enablement MCL (FC 1021)	
<ul> <li>Activation</li> </ul>	
? Assign CTN ID	
? Migrate to Mixed-CTN or STP-only CTN (if migrating from ETR network)	
38	IBM Systems
38	IBM Syst



	IEM
Additional Information	
Redbooks	
<ul> <li>? Server Time Protocol Planning Guide SG247280</li> <li>? Available now</li> </ul>	
<ul> <li>Server Time Protocol Implementation Guide SG247281</li> <li>Available at General Availability (GA)</li> </ul>	
<ul> <li>Education</li> </ul>	
<ul> <li>? Introduction to Server Time Protocol (STP)</li> <li>? Available on Resource Link</li> <li>? https://www.ibm.com/servers/resourcelink</li> </ul>	
STP website	
? http://www.ibm.com/systems/z/pso/stp.html	
Systems Assurance	
? The IBM team is required to complete a Systems Assurance Review (SAI Guide SA06-012) and to complete the Systems Assurance Confirmation F via Resource Link	
40	IBM Systems

