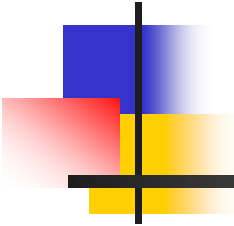


IE Playpen Seminar

23rd October 2003



By
Alan S H Lam



Outlines

- IE Playpen: Member Recruitment
- Worm Analysis
- Research and Education Networks in Asia



IE Playpen

What is Playpen?

From Webster dictionary:

a portable usually collapsible enclosure
in which a baby or young child may play



IE Playpen

What is IE Playpen?

A place that you can

- run and manage your own network
- try new stuff and things that we are not allowed in production network
- get hand-on experience and cert exam preparation
- Exchange your ideas and thoughts – playground for both beginner and experts.

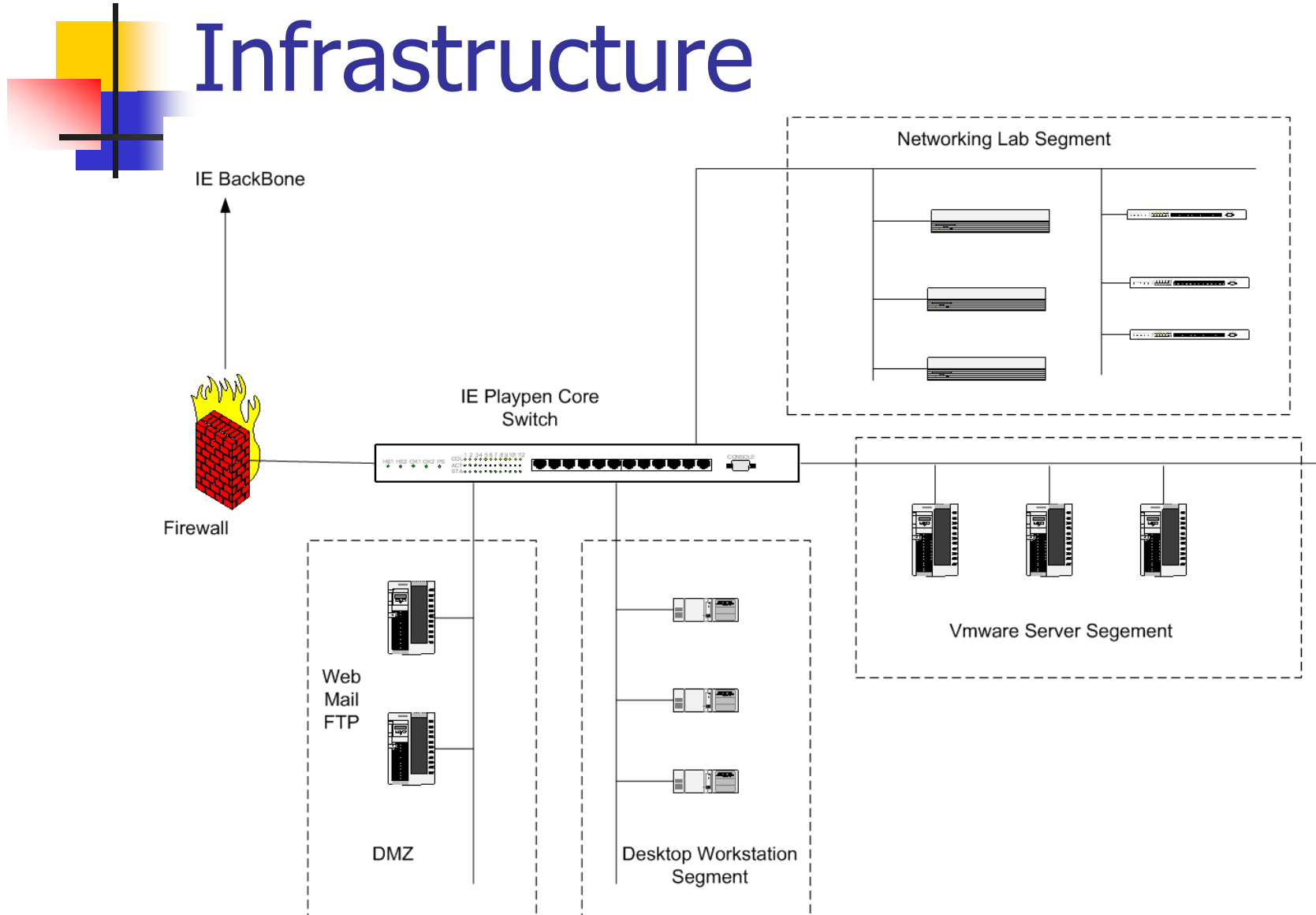


IE Playpen

What facilities do IE Playpen have?

- Routers (15) and Switches (6)
 - Cisco 2611, 2511, 1721, 7513, LS1010, 2950, 3550... etc
- VMware Servers
 - Can emulate ~30 virtual hosts
- Workstations
 - PC, Sparc, SGI
- Library
 - Over 100 technical books and magazines

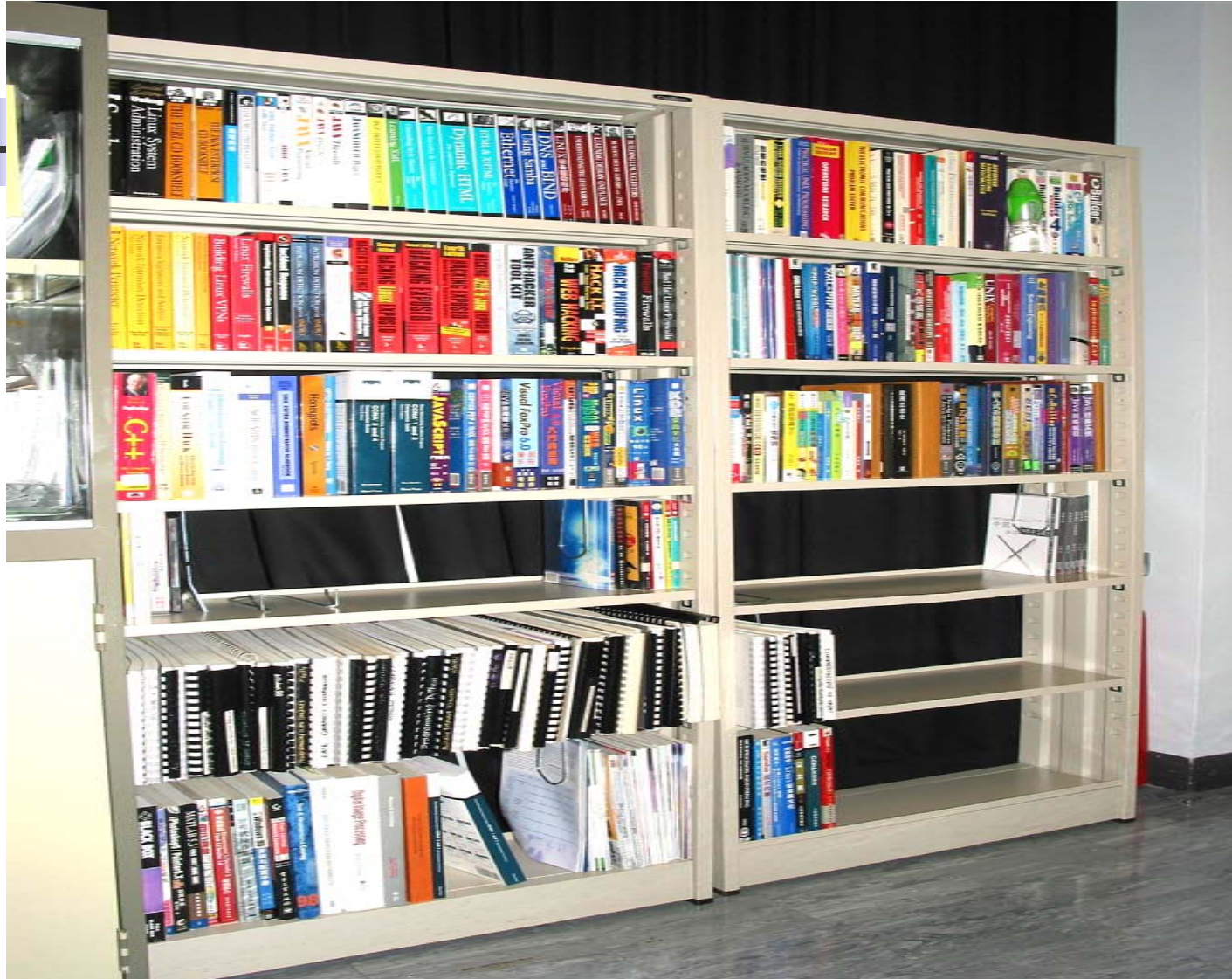
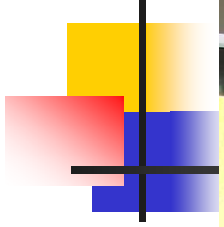
IE Playpen Network Infrastructure



IE Playpen: Switches and Routers



IE Playpen: Library



IE Playpen Desktop Segment Video Conferencing Demo



IE Playpen Room





IE Playpen

Interest Groups and Task Forces

- System Admin
- Web Master and Web Application
- Networking
- Computer Security
- IPV6
- Unix
- OS
- Digital Entertainment



IE Playpen

Want to Play?

Do the member registration now!



Worm Analysis

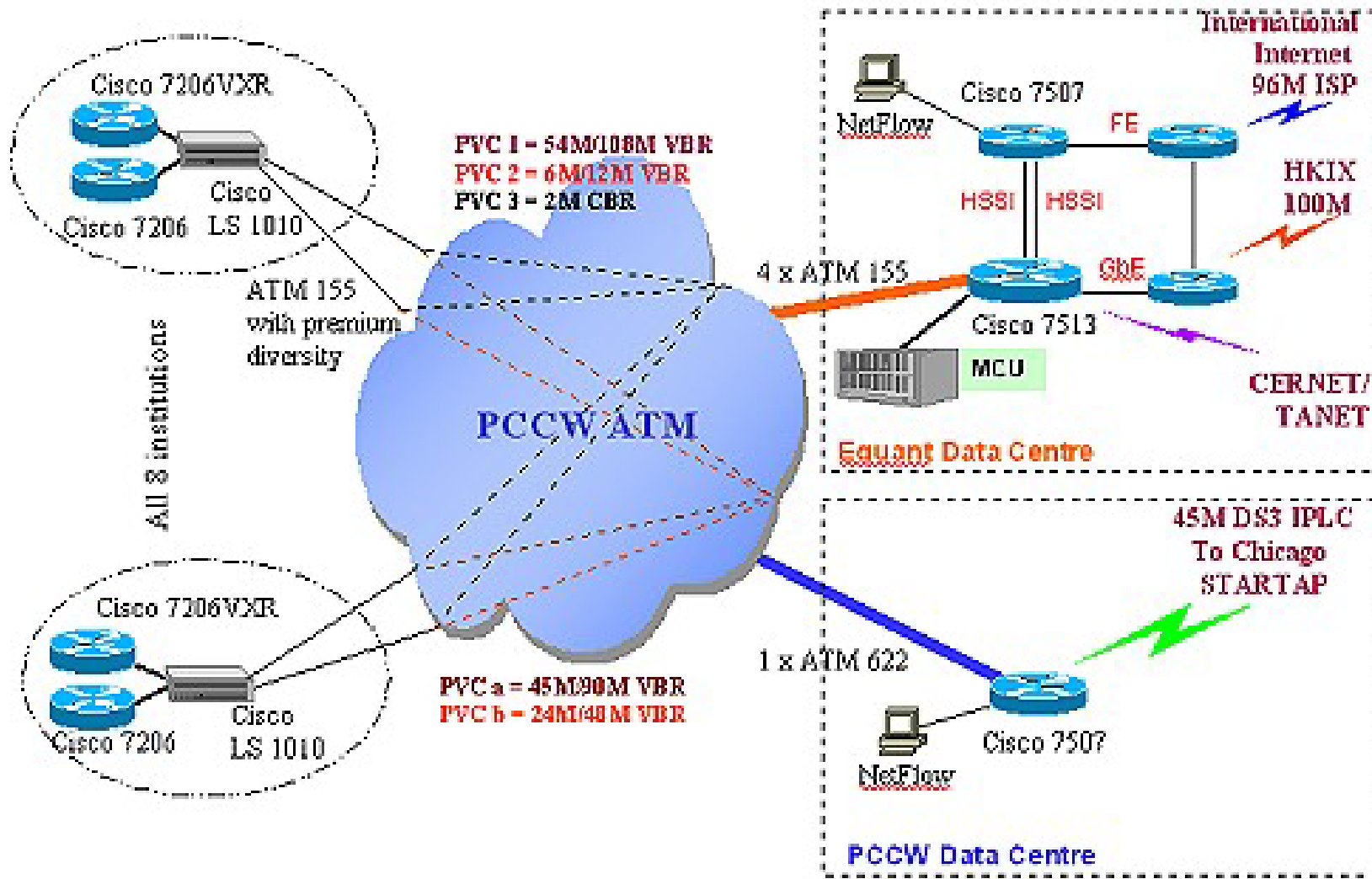
- SQL Slammer
- MSBLAST
- W32/Nachi
- W32/SWEN



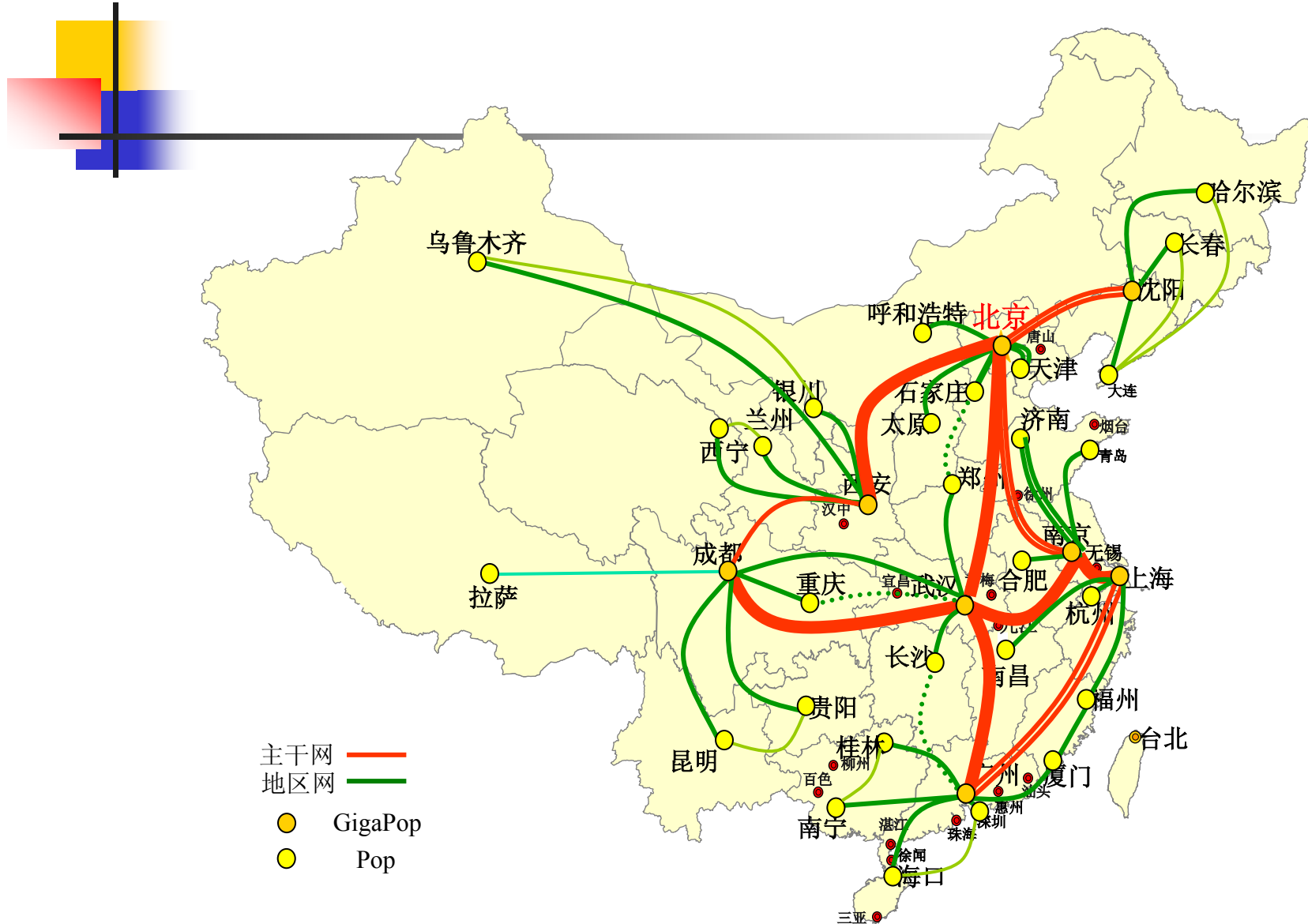
Research and Education Networks in Asia

- HARNET – The Hong Kong Academic and Research NETWORK
- CERNET – China Education & Research NETWORK
- CSTNET – Chinese Science and Technology NETWORK
- TANET – Taiwan Academic Network
- JGN – Japan Gigabit Network
- KOREN – Korean Advanced Research Network

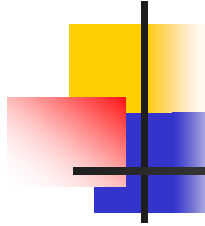
HARNET/Internet Configuration



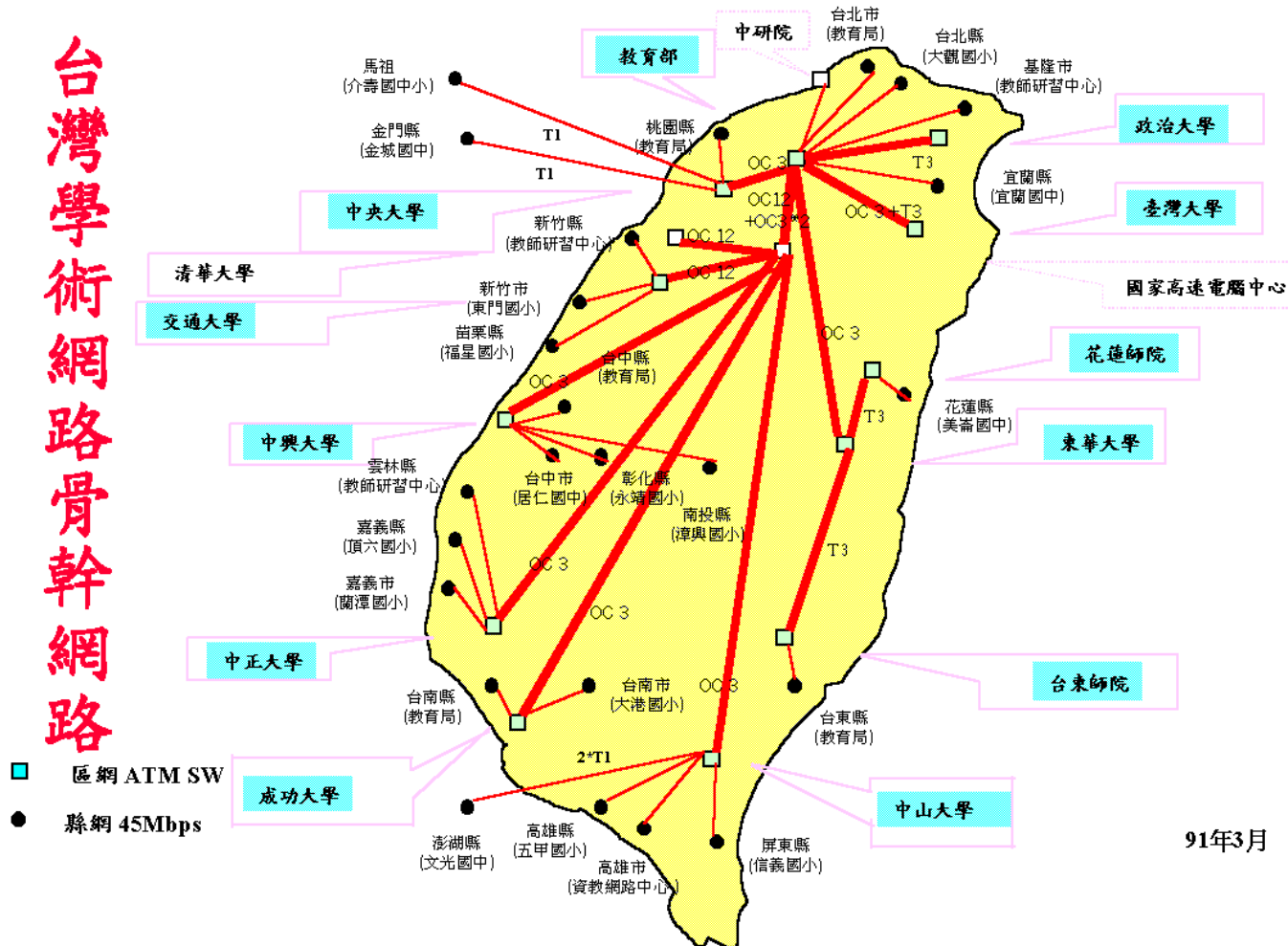
CERNET BackBone



TANET

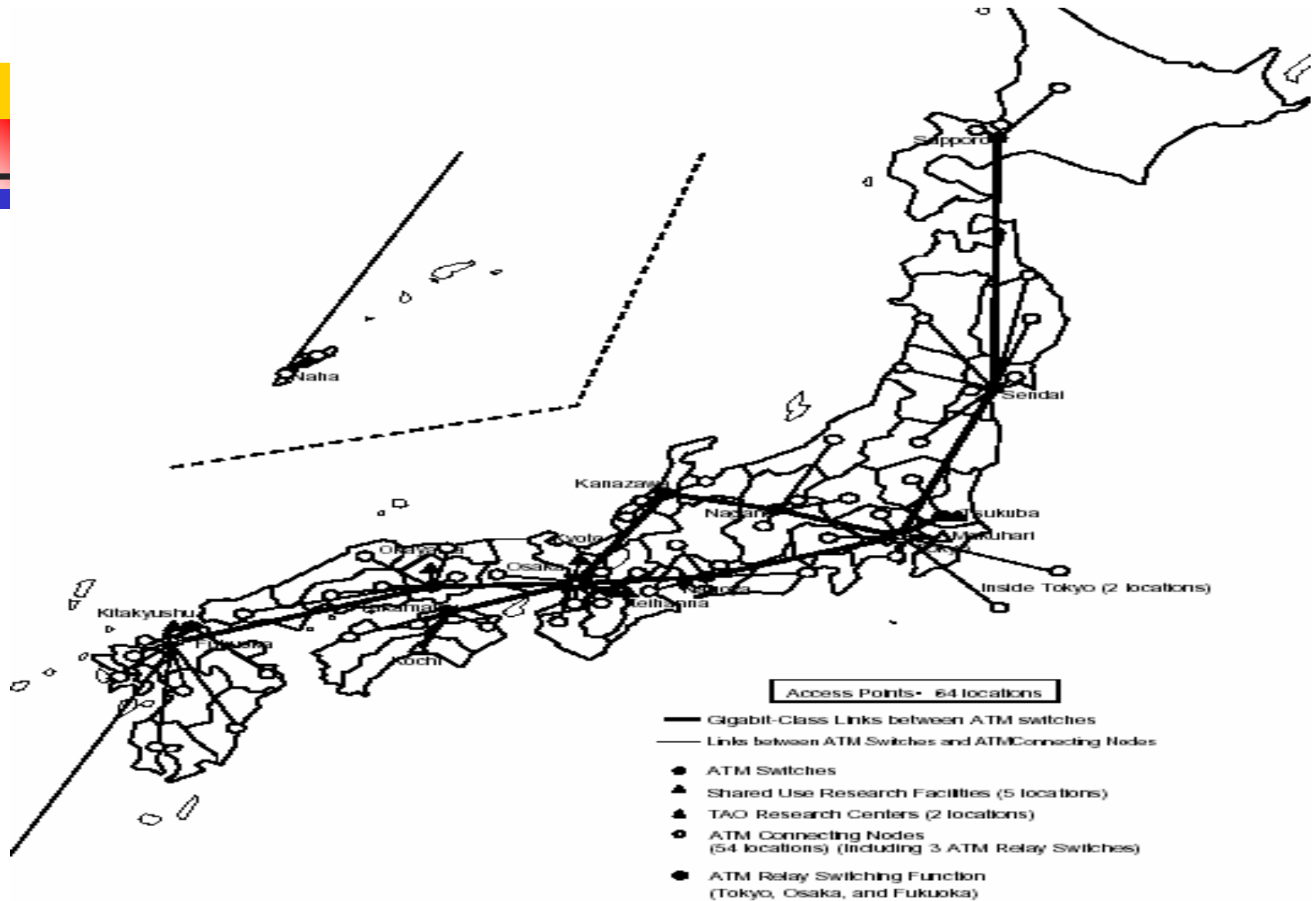


台灣學術網路骨幹網路

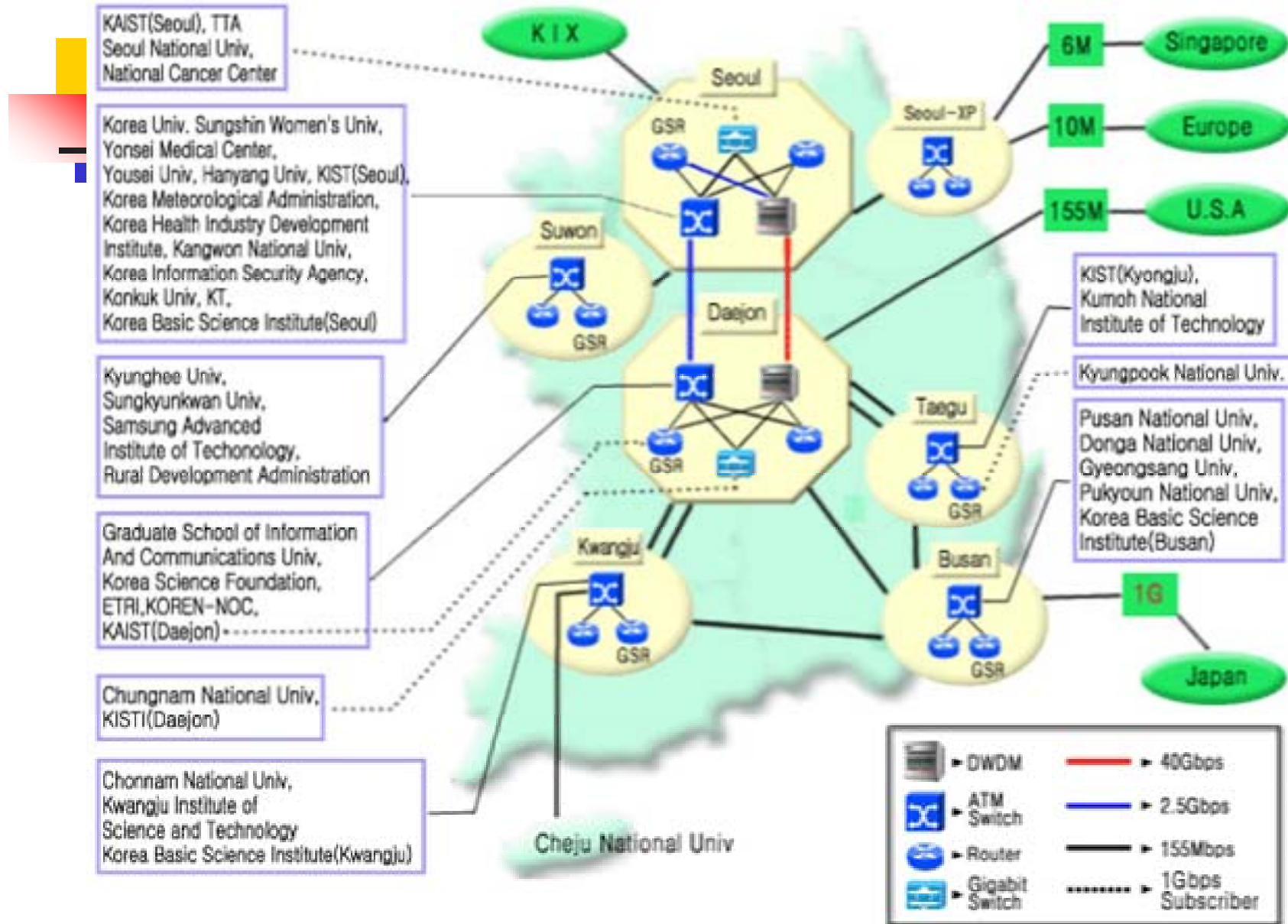


91年3月

JGN

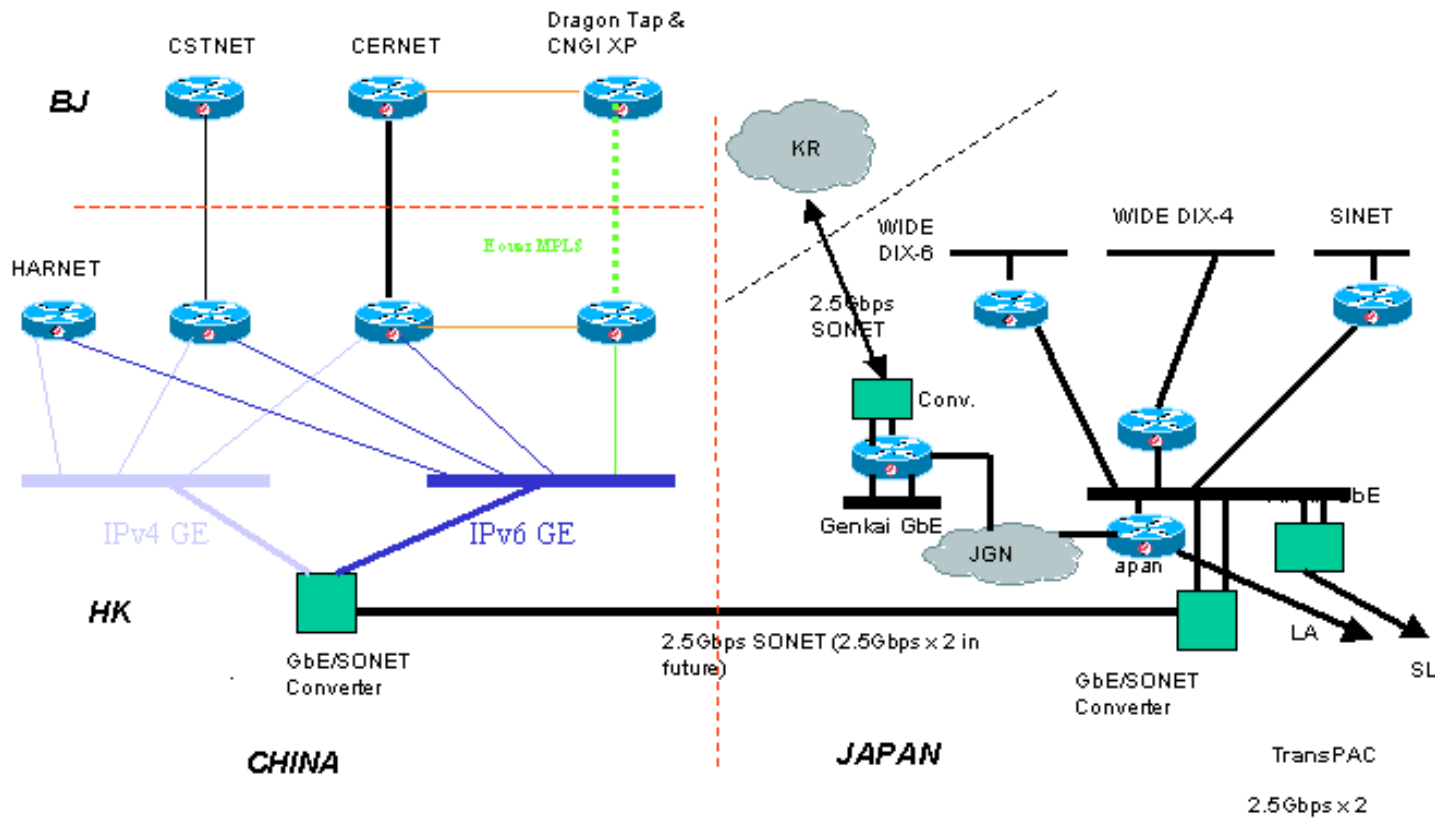


KOREN



JP-CN High Speed Link

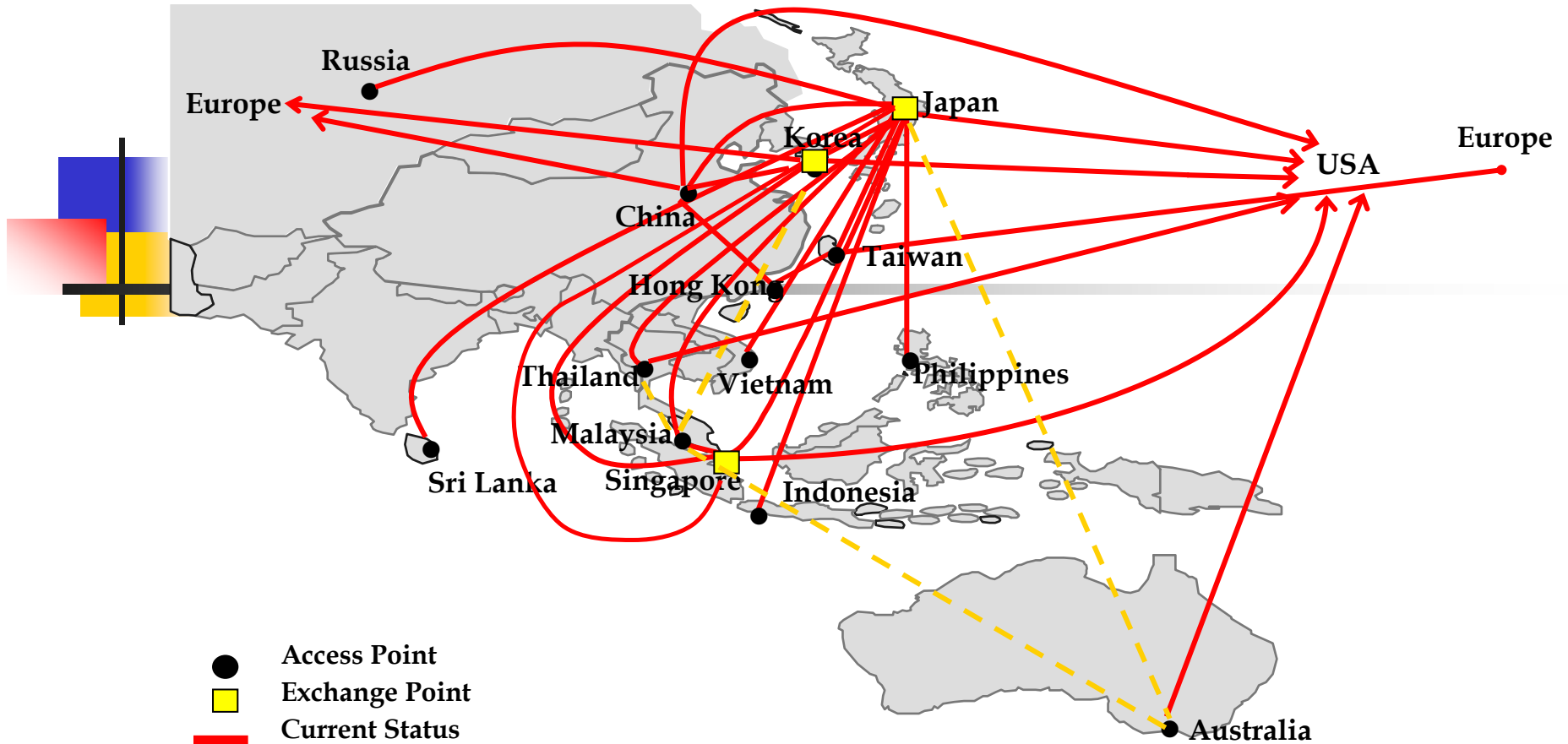
Network Topology



10 G λ x 2 in 2004

APAN Network Topology

2003.8.1



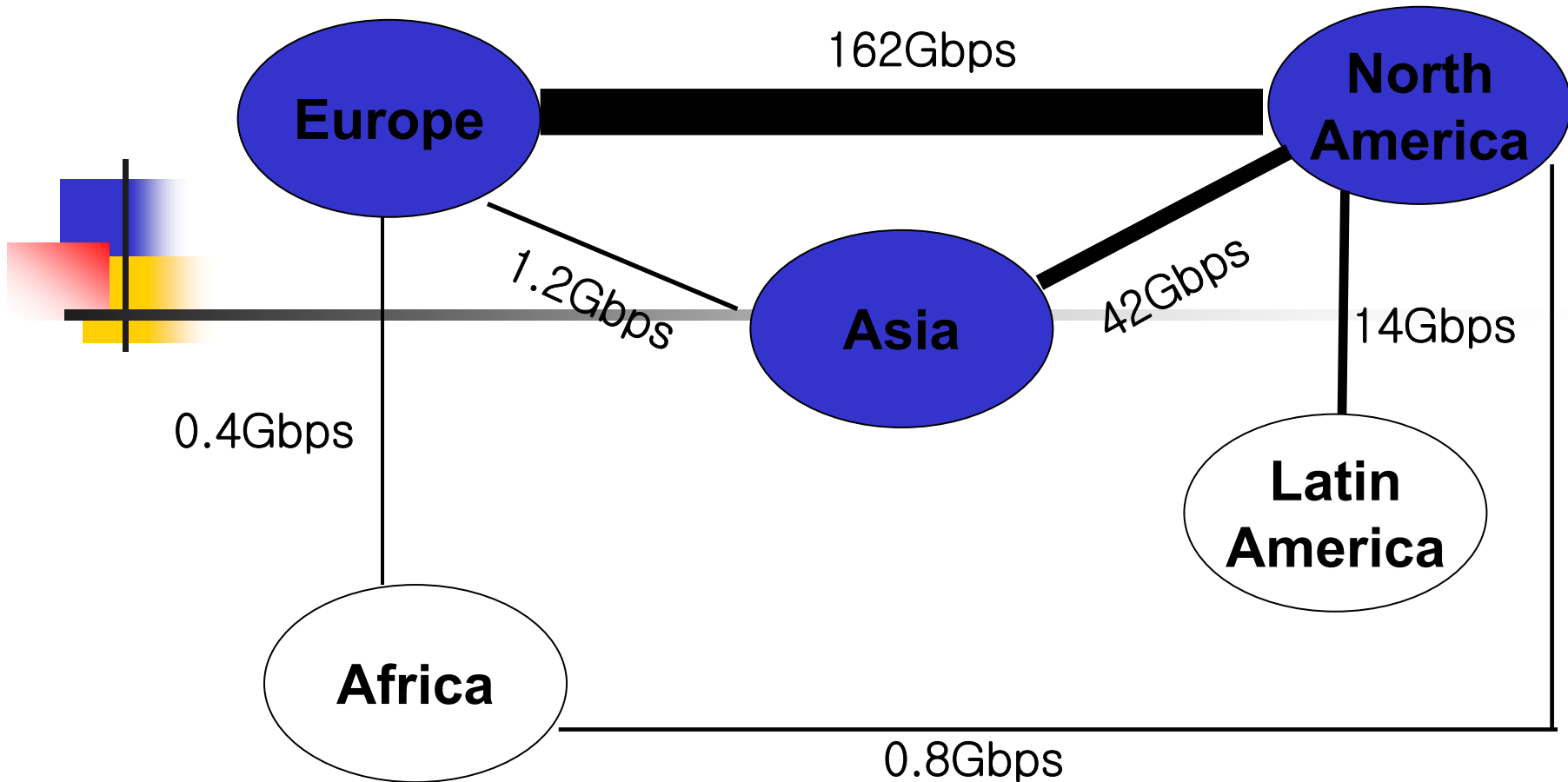
APAN Link Information

2003.10.20 apan-sec

Countries	Network	Bandwidth (Mbps)	Availability	AUP/Remark
CN-HK	CERNET/HARNET	2	Now	R&E, 622 Mbps in 2004
CN-HK	CSTNET	155	Now	R&E
CN-JP	CERNET	10	Now	R&E
CN-UK	CERNET	45	Now	R&E
CN-US	CERNET	10	Now	Research
CN-US	CERNET	200	Now	R&E
CN-US	CSTNET	55	Now	Research
HK-US	HARNET	45	Now	R&E
HK-TW	HARNET/TANET	10	Now	R&E
TW-HK	ASNET/TANET2	155	Now	R&E
JP-HK	APII	2.5Gbps	2004	R&E

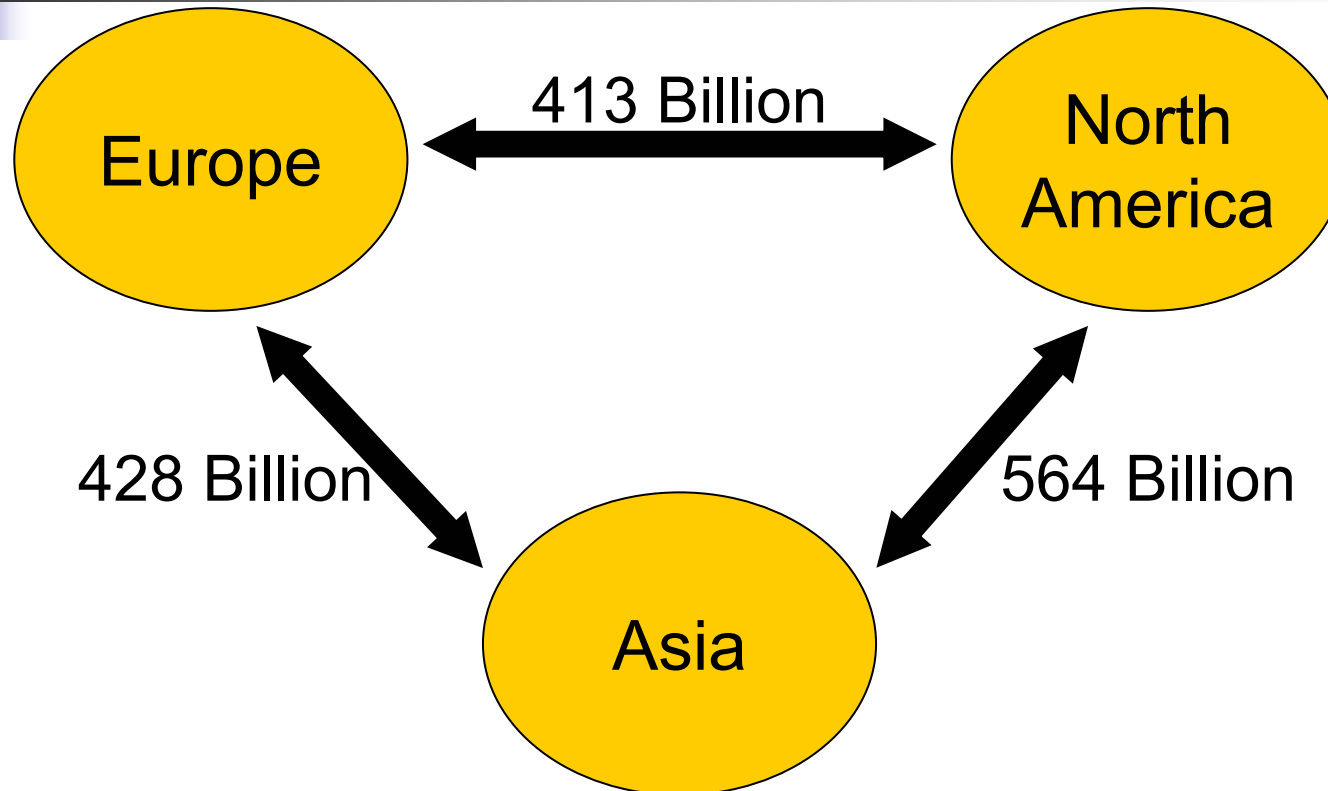
1. Intercontinental Internet Bandwidth vs Intercontinental Trade

1.1 Intercontinental Internet Bandwidth



Telegeography 2001

1.2 Intercontinental Trade



WTO International Trade Statistics 2000