

# Asia-Pacific International Connections updates

2001.6.8-9

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APAN

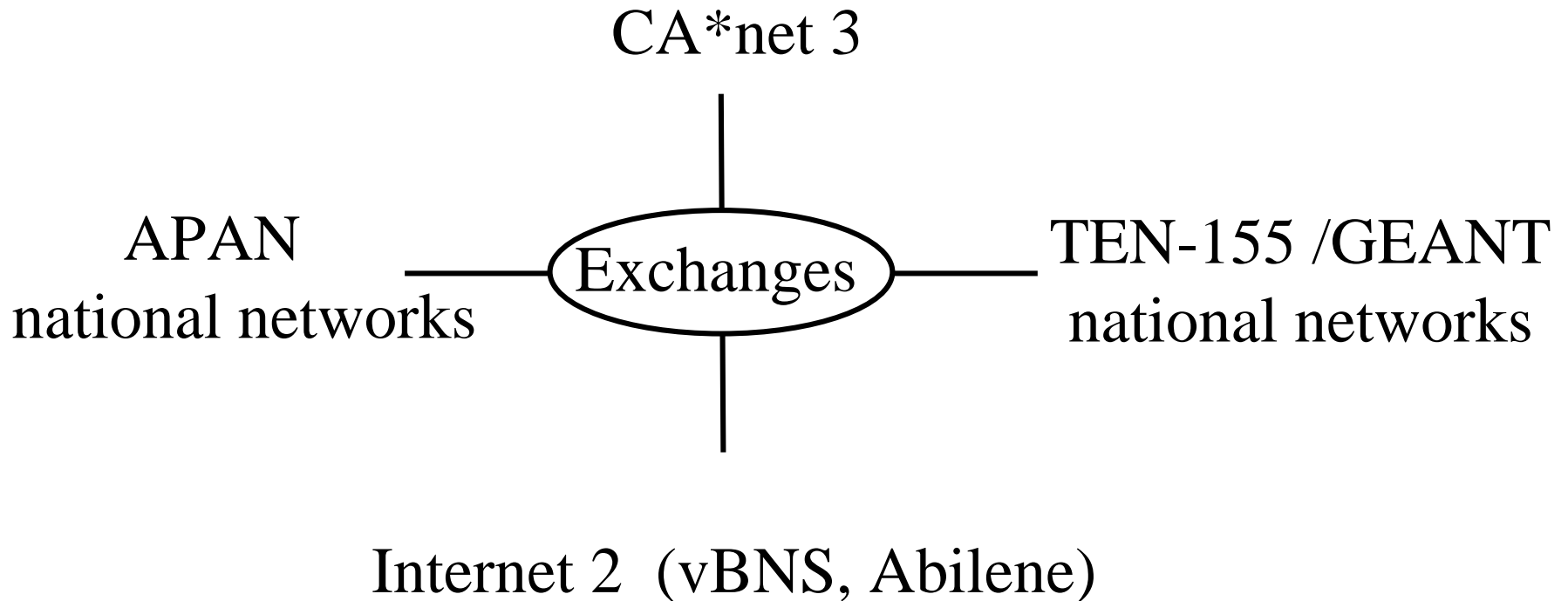
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<http://www.apan.net>

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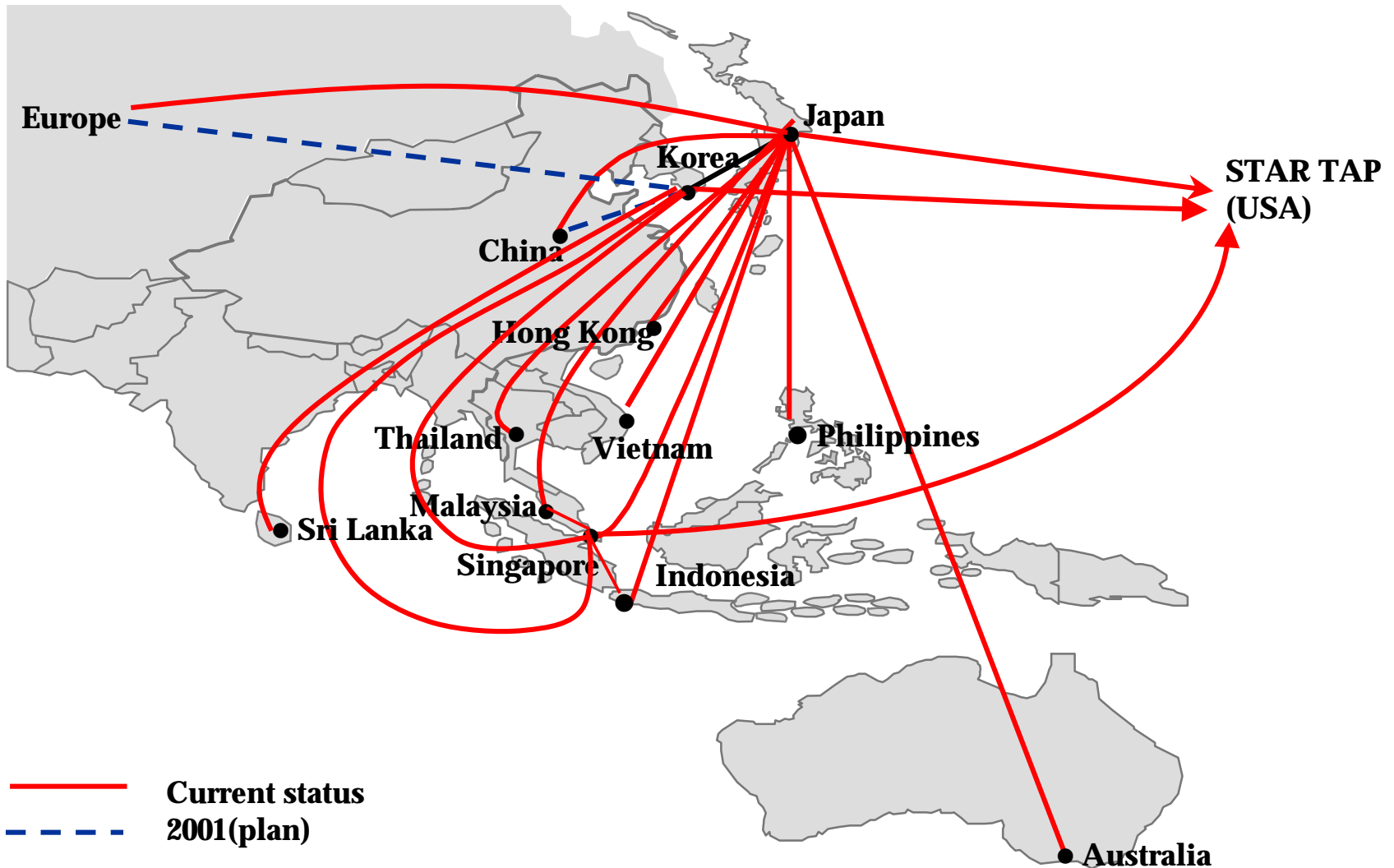
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# 1. Global R&E Network



# 2. Asia-Pacific Advanced Network

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# 3. Link List

Countries	Network	Bandwidth(Mbps)	Availability	AUP
CN-US	CERNET	10	Now	Research & Education
CN-JP	CERNET	10	Now	Research & Education
JP-AU	RWCP-ACSys	1.5	Now	Research & Education
JP-CN	CERNET	10	Now	Research & Education
JP-CN	AI3(CERNET)	1.5	2001	Research & Education
JP-HK	AI3(HKUST)	- / -	down	Research & Education
JP-ID	AI3(ITB)	2.0 / 0.76	Now	Research & Education
JP-KR	APII	8	Now	APII Project
JP-MY	AI3(USM)	1.5 / 0.51	Now	Research & Education
JP-LK	AI3(UC)	1.5 / 0.51	2001	Research & Education
JP-PH	MAFFIN(PHNET)	0.75	Now	Research & Education
	AI3(SICU)	1.5 / 0.51	Now	Research & Education
JP-SG	AI3	1.5 / 0.51	Now	Research & Education
JP-TH	AI3(AIT)	1.5 / 1.5	Now	Research & Education
	SINET(NECTEC)	2	Now	Research & Education
JP-VN	AI3(IOIT)	1.5 / 0.51	Jun-05	Research & Education
JP-US	IMNet-HPIIS	100-150	Now	High Performance Research
KR-CN		2	2001	
KR-EU		?	2001	
KR-SG	APII	2	Now	APII Project
KR-US	KOREN/KREONET	45	Now	High Performance Research
	Pubnet	20	Now	Non-commercial
	KREN	45	Now	Research & Education
MY-SG	TEMAN (SingaREN)	2	Now	Research
SG-US	SingaREN	14	Now	Research & Education

## 4. Major Projects

### TransPac

Primary Trans–Pacific Link

Sponsored by Japanese and US Government

### APII

Major Intra–continental Links

Sponsored by Japanese, Korean, & Singapore Government

### AI3

Major Intra–continental Links

Sponsored by Japanese Company of Government

Satellite–based Links

## 5. Inter-continental Links

Mostly to USA

Total Capacity of 1 Gbps or more

Each R&E Network with Its Own Link to USA

## 6. Intra- continental Links

Predominantly T1 or E1 Bandwidth  
(except China–Japan and Japan–Korea)

Satellite Links Are Popular

Expensive charge : Forces Direct Link to USA



# 7. Selective Domestic Backbone Networks

## China

- CERNET to Cover Schools
- CSTNET to Cover Institutions
- GigabitEthernet Deployment
- Extensive Satellite Links

## Japan

- Multiple Backbone Networks(SINET, JGN)
- Regional Network/GigaPoP Being Formed

## Korea

- Multiple Backbone Networks(KREN, KREONET)
- High Performance Network(KOREN)
- GigaPoP Being Formed

# 8. Middlewares

Multicast

Cache/Storage

Security

QoS

Measurement

# 9. Major Applications

Video/TV

Agriculture/Earth Monitoring

Bioinformatics

Education

Grid

# 10. List of R&E Networks in Asia- Pacific

<b>Australia</b>	<b>AARNET2</b>	: <a href="http://www.aarnet.edu.au/network">www.aarnet.edu.au/network</a>
<b>China</b>	<b>CERNET</b>	: <a href="http://www.edu.cn/cernet">www.edu.cn/cernet</a>
	<b>CSTNET</b>	: <a href="http://www.cstnet.net.cn">www.cstnet.net.cn</a>
<b>Hong Kong</b>	<b>HARNET</b>	: <a href="http://www.hku.hk/harnet">www.hku.hk/harnet</a>
<b>India</b>	<b>ERNET</b>	: <a href="http://www.eis.ernet.in">www.eis.ernet.in</a>
<b>Japan</b>	<b>IMNET</b>	: <a href="http://www.imnet.ad.jp">www.imnet.ad.jp</a>
	<b>JGN</b>	: <a href="http://www.jgn.tao.go.jp">www.jgn.tao.go.jp</a>
	<b>SINET</b>	: <a href="http://www.nii.ac.jp">www.nii.ac.jp</a>
	<b>WIDE</b>	: <a href="http://www.wide.ad.jp">www.wide.ad.jp</a>
<b>Korea</b>	<b>KREN</b>	: <a href="http://www.kren.ne.kr">www.kren.ne.kr</a>
	<b>KREONET</b>	: <a href="http://www.kreonet.ne.kr">www.kreonet.ne.kr</a>
	<b>KOREN</b>	: <a href="http://www.koren.ne.kr">www.koren.ne.kr</a>
<b>Malaysia</b>	<b>TEMAN</b>	: <a href="http://www.tmi.net.my">www.tmi.net.my</a>
<b>New Zealand</b>	<b>Voyager</b>	: <a href="http://www.voyager.co.nz">www.voyager.co.nz</a>
<b>Philippines</b>	<b>PHNET</b>	: <a href="http://www.ph.net">www.ph.net</a>
<b>Singapore</b>	<b>SINGAREN</b>	: <a href="http://www.singaren.net.sg">www.singaren.net.sg</a>
<b>Sri Lanka</b>	<b>ICT</b>	: <a href="http://www.ict.cmb.ac.lk">www.ict.cmb.ac.lk</a>
<b>Taiwan</b>	<b>TANET</b>	: <a href="http://www.ntu.edu.tw/TANet">www.ntu.edu.tw/TANet</a>
<b>Thailand</b>	<b>NECTEC</b>	: <a href="http://www.uni.net.th">www.uni.net.th</a>
<b>Vietnam</b>	<b>IOIT</b>	: <a href="http://www.ioit.ac.vn">www.ioit.ac.vn</a>

# 11. General Reference

Abilene	<a href="http://www.ucaid.edu/abilene">www.ucaid.edu/abilene</a>
AI3	<a href="http://www.ai3.net">www.ai3.net</a>
APAN	<a href="http://www.apan.net">www.apan.net</a>
APNG	<a href="http://www.apng.org">www.apng.org</a>
CA*Net3	<a href="http://www.canarie.ca/c3">www.canarie.ca/c3</a>
CCIRN	<a href="http://www.ccirn.org">www.ccirn.org</a>
DANTE	<a href="http://www.dante.net">www.dante.net</a>
Internet2	<a href="http://www.internet2.edu">www.internet2.edu</a>
STAR TAP	<a href="http://www.startap.net">www.startap.net</a>
TERENA	<a href="http://www.terena.nl">www.terena.nl</a>
vBNS	<a href="http://www.vbns.net">www.vbns.net</a>