

TABLE OF CONTENTS

1. Definition of TEIN
2. TEIN Networks
3. Status of LHCONE in TEIN
4. Other considerations

Daejeon, South Korea
23 September 2015

TEIN*CC
Patch Lee

1. TEIN – Definition

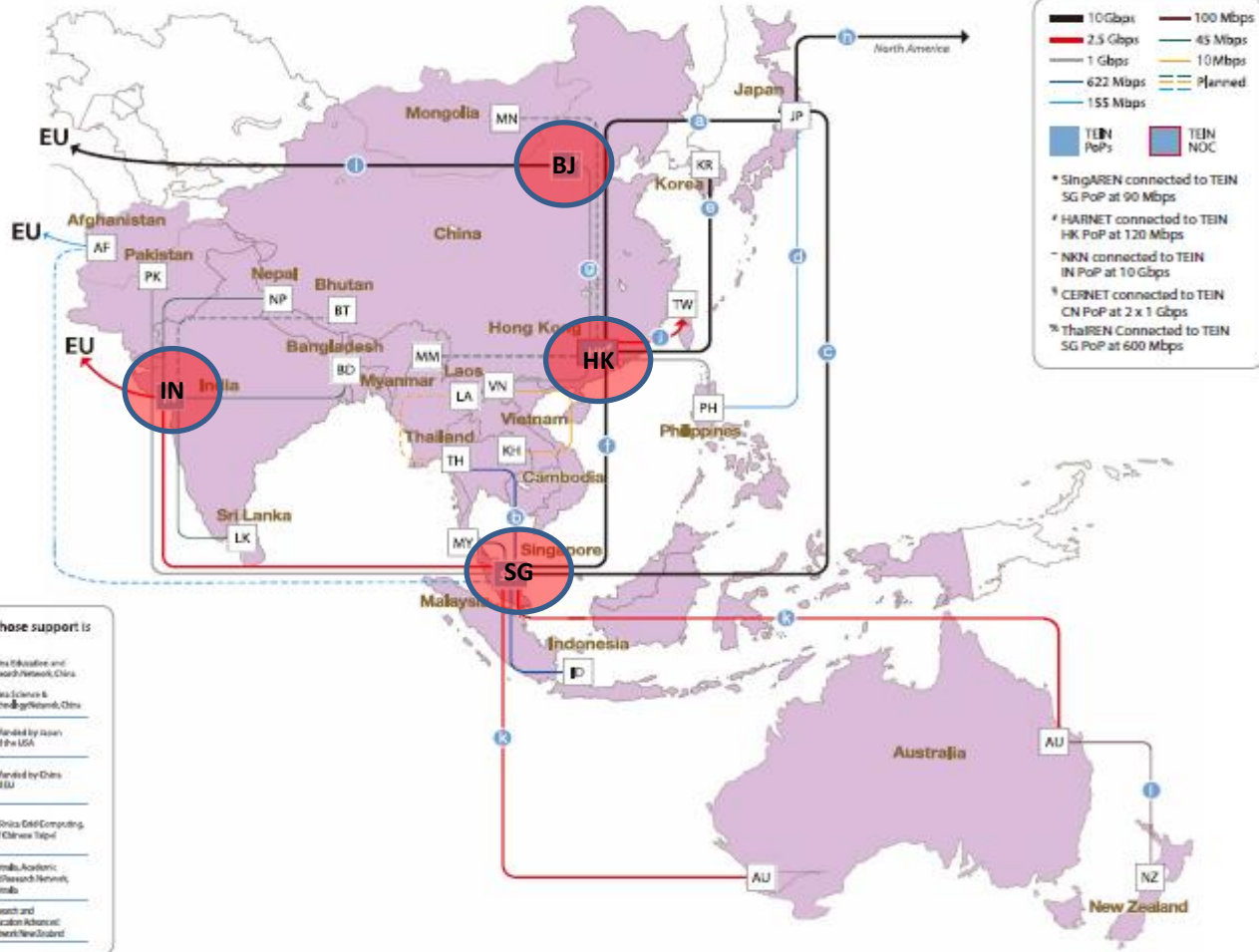
- **T – Trans**
 - **E – Eurasia**
 - **I – Information**
 - **N – Network**
-
- ✓ Connects 21 countries in Asia Pacific
 - ✓ Promotes collaborative efforts in the Research and Education (R&E) sector

2. TEIN – Network viewpoint



Connecting Asia and Europe's Research and Education Communities

www.tein.asia



TEIN Project Partners

AF Afghanistan	ID Indonesia	NZ New Zealand
AU Australia	JP Japan	PK Pakistan
BD Bangladesh	KR Korea	PH Philippines
BT Bhutan	LA Laos	SG Singapore
CB Cambodia	MM Myanmar	SL Sri Lanka
CN China	MN Mongolia	TH Thailand
HK Hong Kong	MY Malaysia	TW Taiwan
IN India	NP Nepal	VN Vietnam

The following links are fully financed by the link owners whose support is gratefully acknowledged.

a NICT National Institute of Information and Communications, Japan	g CERNET China Education and Research Network, China
b NICT National Institute of Information and Communications, Japan	h TEMPNIC Data Science & Technology Network, China
c NIJ National Institute of Informatics, Japan	i ORIENT Data Science, Japan
d MARELIN Ministry of Agriculture, Forestry and Fisheries, Research Network, Japan	j ARCC Academic China Grid Computing, Republic of China Taipei
e NIA National Information Society Agency, South Korea	k AARNet Australia Academic and Research Network, Australia
f NIA National Information Society Agency, South Korea	l REANZ Research and Education Network, New Zealand

As of July 2015



TEIN is funded by the European Commission through the Directorate General for Development and Cooperation in Europe Aid

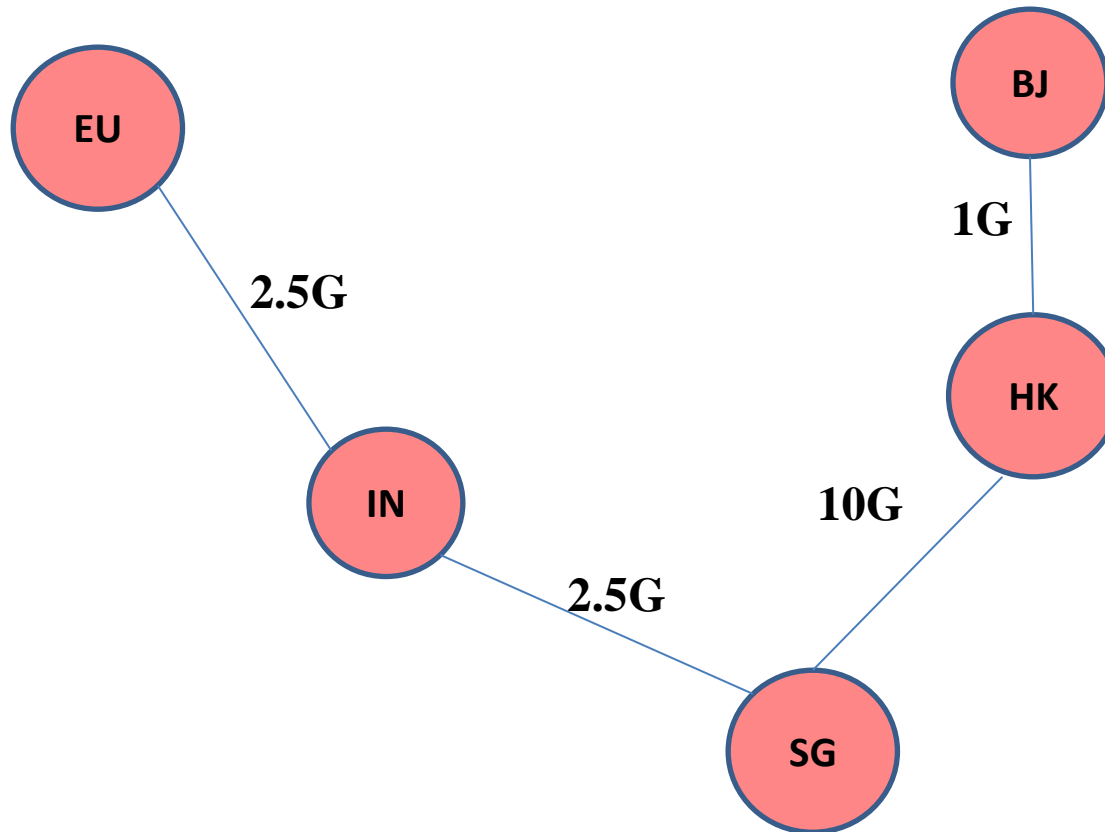
This map has been produced with the financial assistance of the European Union. The contents of this document are the sole responsibility of TEINCC and can under no circumstances be regarded as reflecting the position of the European Union.

2. TEIN – Network Viewpoint

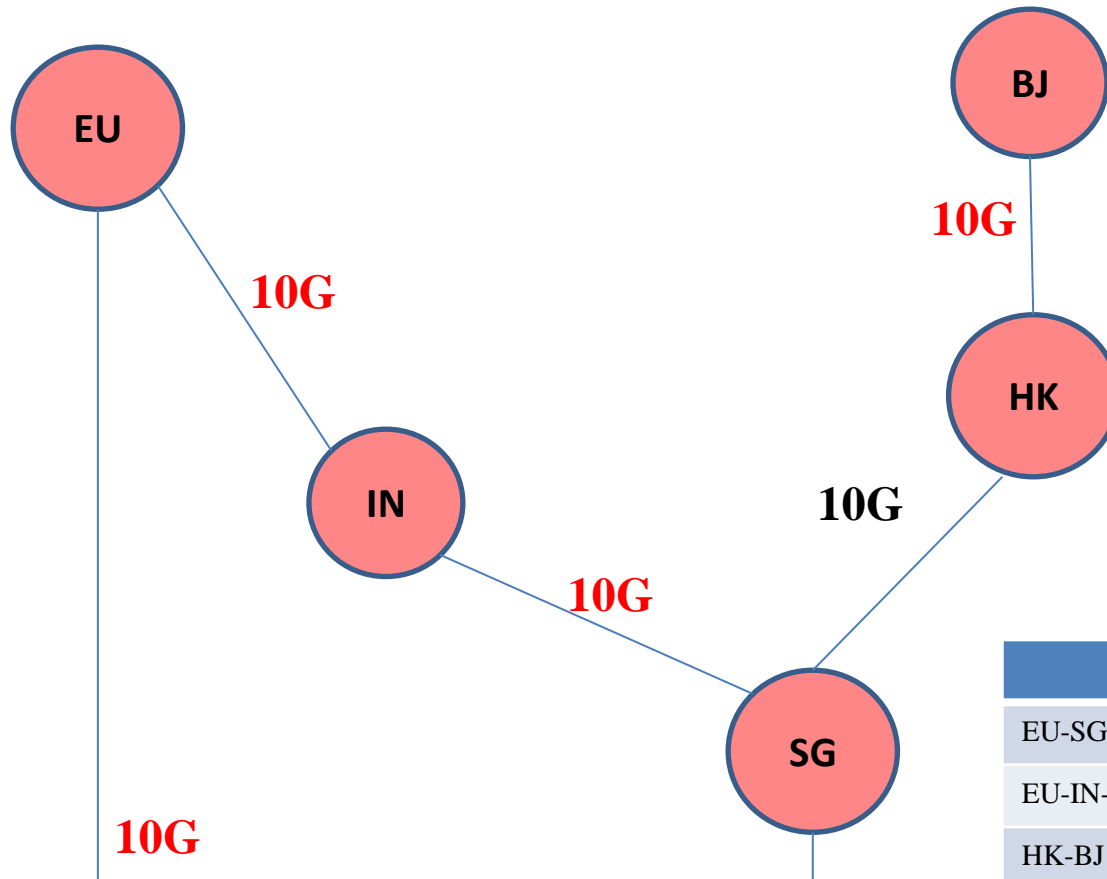
#	COUNTRY	LINK	TEIN4	#	COUNTRY	LINK	TEIN4
1	Afghanistan	To GEANT	155M	13	Thailand	SG - TH	600M
2	*Bangladesh	IN – BD	45M	14	*Vietnam	HK - VN	622M
3	Bhutan	-	-	15	*Australia	SG - AU	2.5G
4	Cambodia	KH – VN	10M	16	China	BJ - HK	1G
5	*India	IN	10G	17	Hong Kong	HK	120M
6	*Indonesia	SG – ID	622M	18	Japan	SG-JP/HK-JP	10G/10G
7	*Laos	TH – LA	10M	19	Korea	HK-KR	10G(KOREN)
8	*Malaysia	HK – MY	622M	20	Singapore	SG	90M
9	*Nepal	IN – NP	45M	21	New Zealand	SG-NZ	100M
10	*Pakistan	SG – PK	1G	22	Taiwan	HK-TW	2.5G(ASGC)
11	*Philippines	HK - PH	1G	23	Myanmar	-	-
12	*Sri Lanka	IN – LK	45M	24	Mongolia	-	-

* Denotes the link is owned by TEIN*CC

2. TEIN – simplified view of Backbone



2. TEIN – future planned Backbone

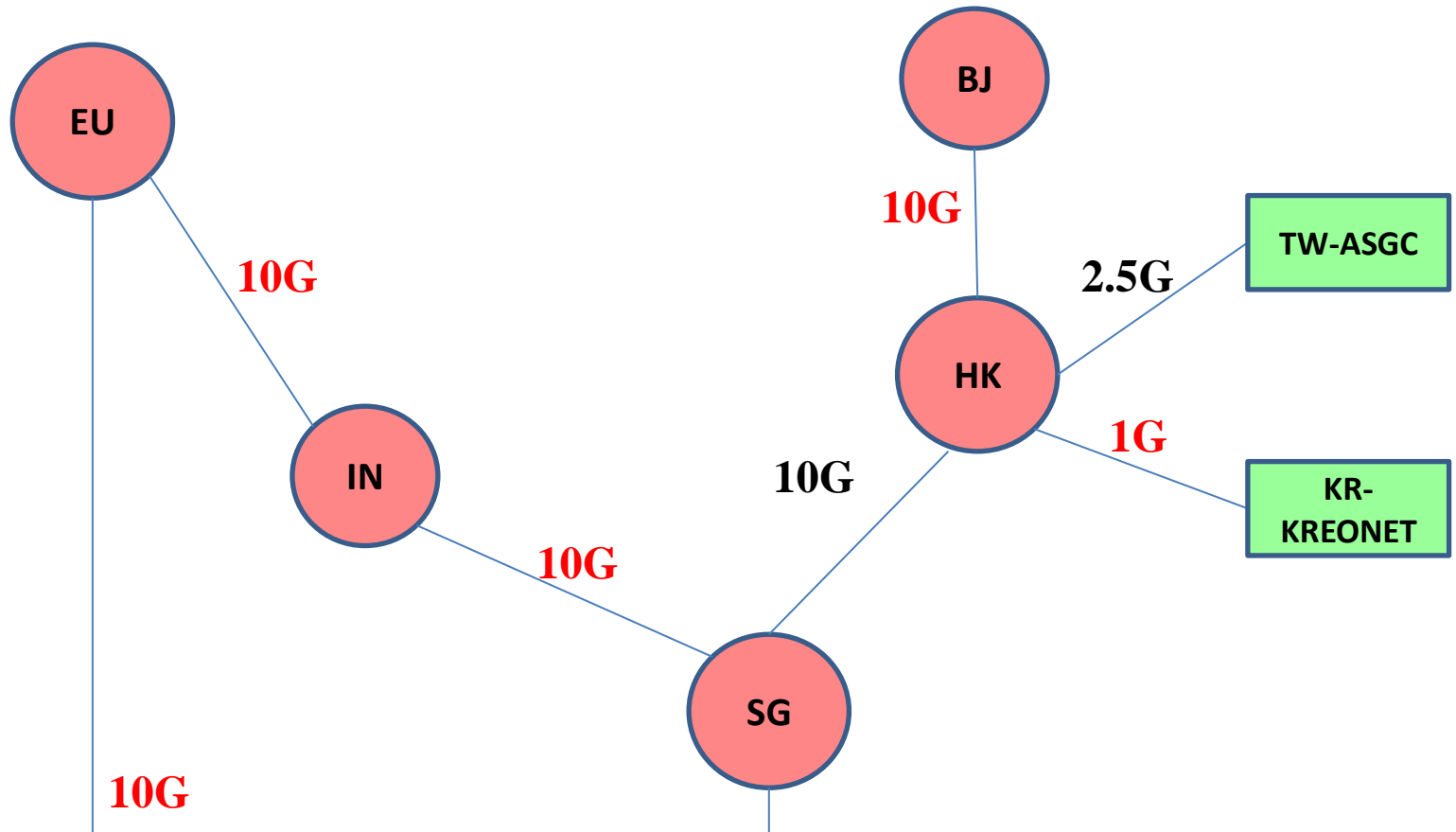


LINK	RFS DATE
EU-SG 10G	OCT. 2015
EU-IN-SG 10G	TBA
HK-BJ 10G	DEC. 2015

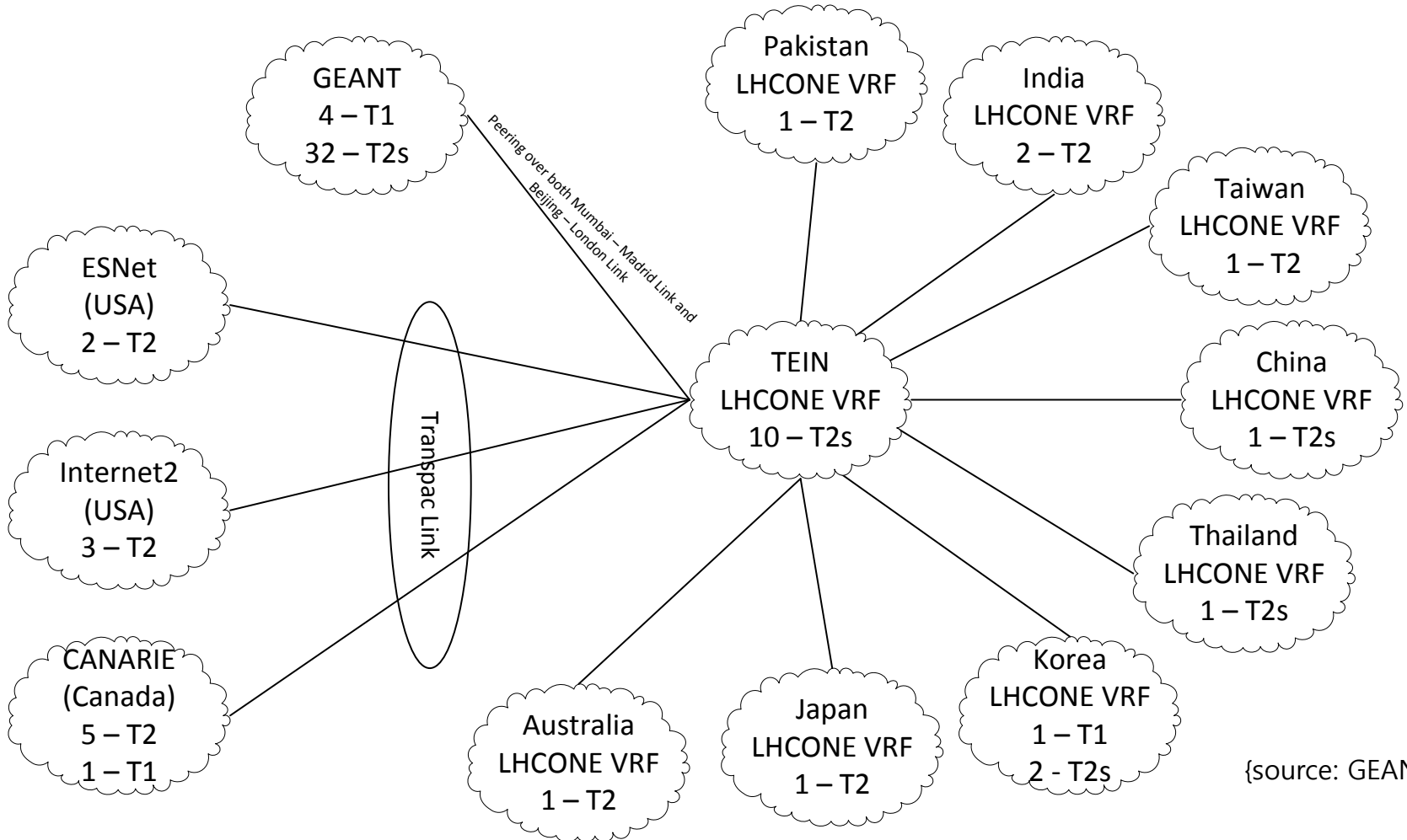
3. TEIN – Status of LHCONE

- **BACKBONE**
 - ✓ Setup complete, ready for service
- **ACCESS NODE**
 - ✓ vrf encapsulation for Thailand under discussion

3. LINK setup between TEIN – KREONET(2015)



3. TEIN – next phase “Welcome on board”



{source: GEANT}

4. Other Considerations

- ✓ Setup of independent perfSONAR system

Thank you.



Q&A

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