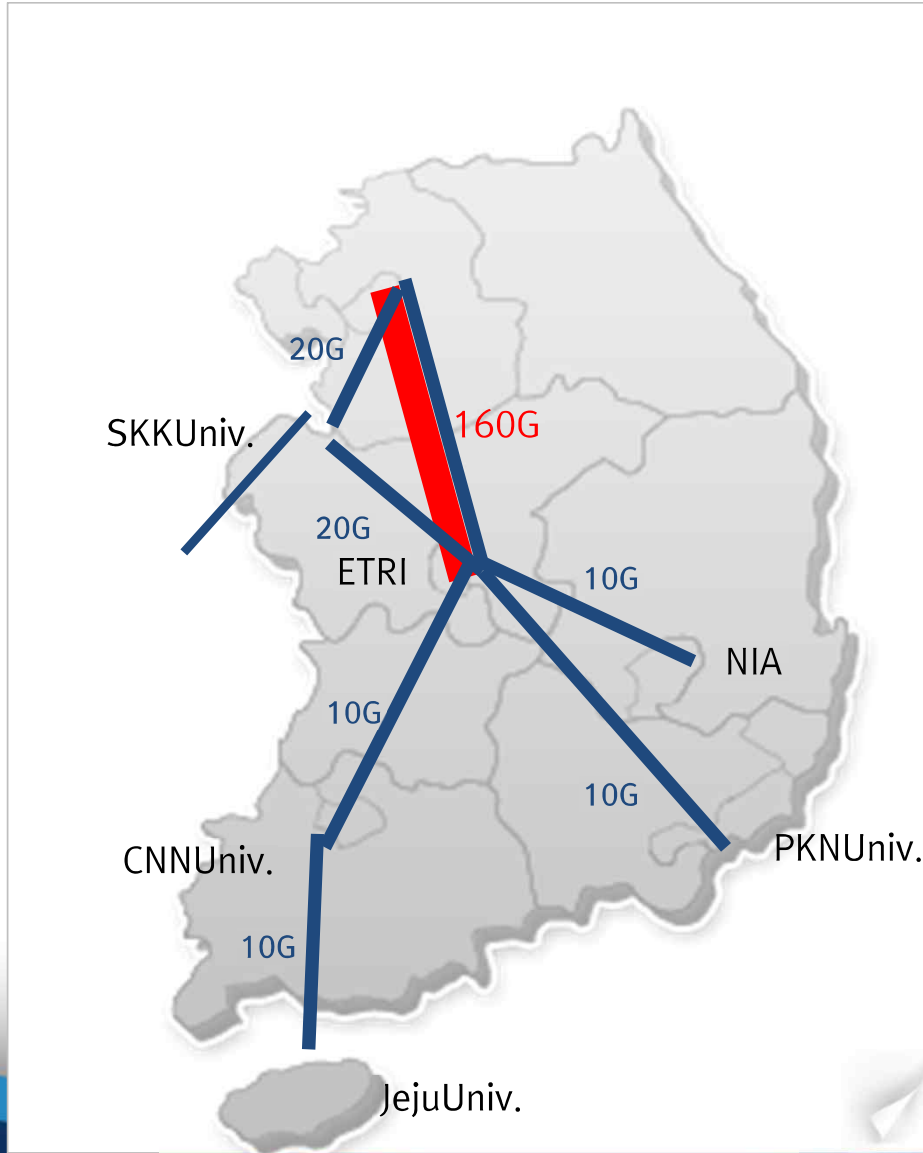# 2016 KOREN update

Mina Son

Executive Principal
Network Service Team,
Department of ICT platform & Services
National Information Society Agency

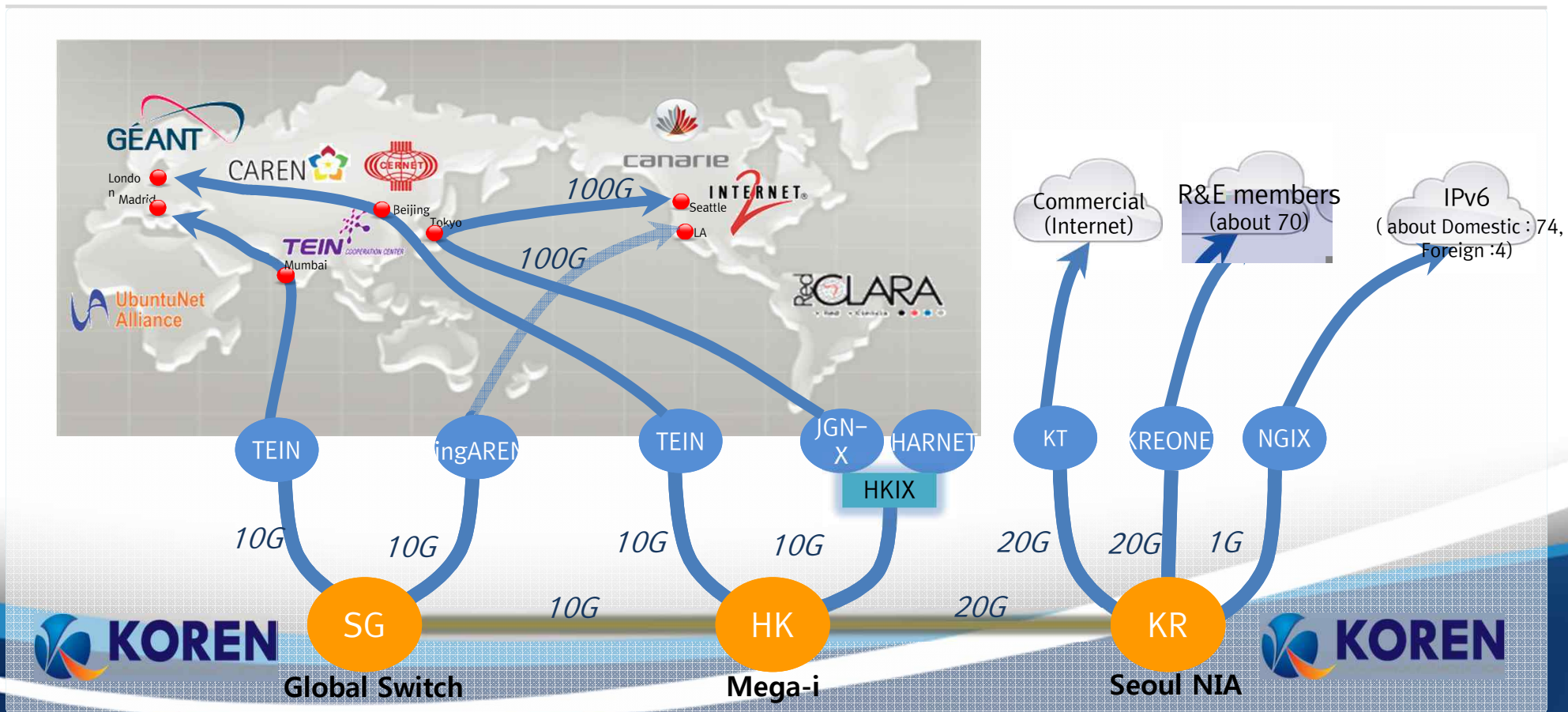Seoul~Daejeon Backbone 160G, Capital area 20G, Province 10G
International &

20G

SKKUniv.

160G

20G

ETRI

10G

NIA

10G

10G

CNNUniv.

PKNUniv.

10G

JejuUniv.

1. Network Infrastructure(3)

- Contractor : Consortium of LGU+, KT and SK Broadband
- Period : Mar. 2016 ~ Dec. 2018
- Connect to JGN-X via HKIX at HK POP (30 Mar 2016~)
- Connect to HARNET via HKIX (HKU for TEIN Cyber Performance 2016) (14 Jul 2016~)
- Plan : Connect to SingAREN (Open IX)

2. KOREN Public Safety Network Testbed

- Project : Establish Public Safety Network Testbed on KOREN
- Direction : Support growth of industries by promoting top talents that are able to develop product co-researching with businesses, and transferring technologies.
- Period : 1 Jun 2016 ~ 31 Dec 2018
- MoU Signing ceremony with TTA (16 JUL 2016)
- Set up Public Safety Network Testbed on KOREN (Pangyo FNC 3F) (Oct 2016 ~)

MoU Signing ceremony with TTA (16 JUL)
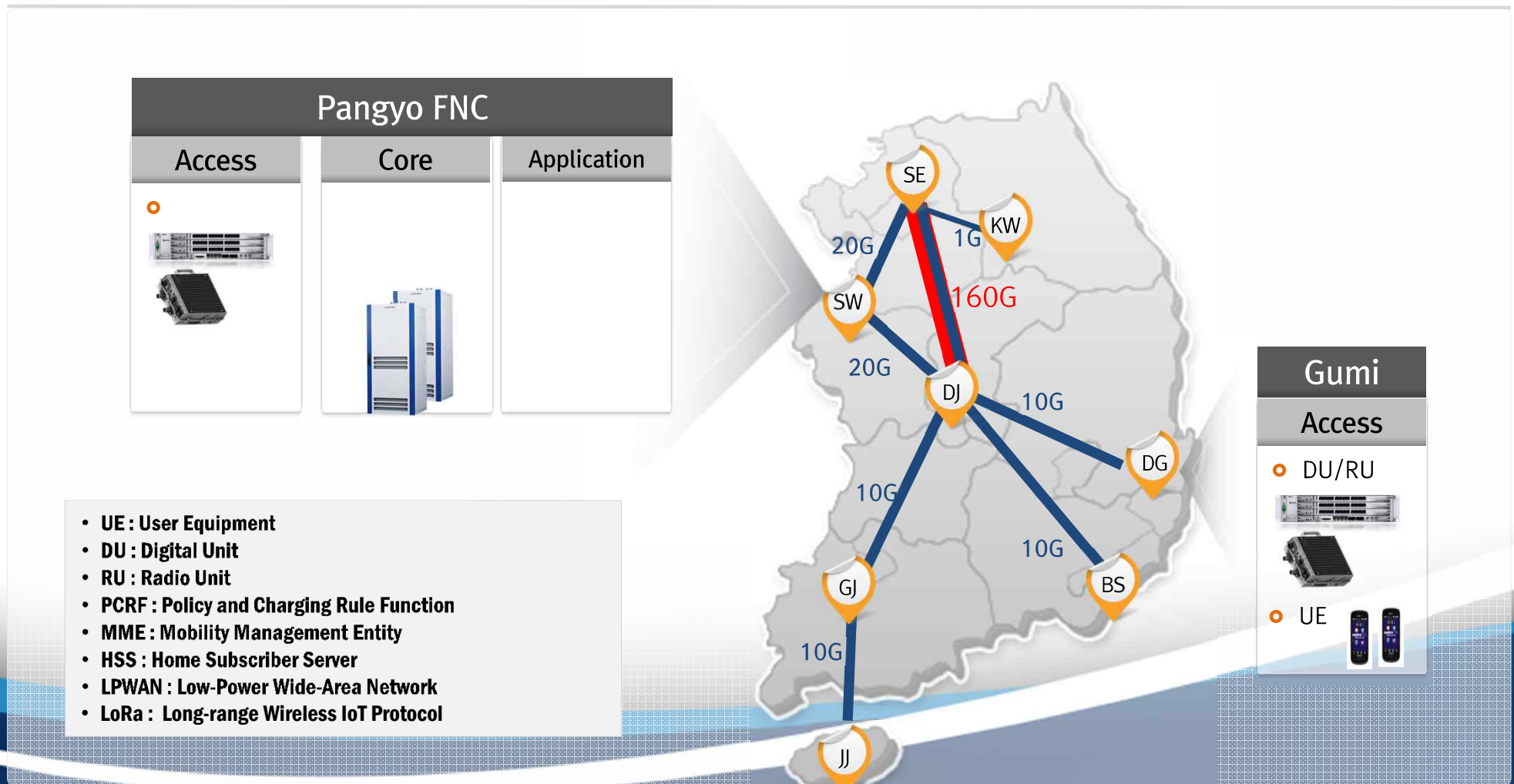

Shield room
(DaejeonETRI/PangyoFNC)

FNC Testbed

2. KOREN Public Safety Network Testbed

- Support testbed/technology development and standardization of PS-LTE
- Service developments and tests for more about 60 related communication equipment

Pangyo FNC

Access	Core	Application

- UE : User Equipment
- DU : Digital Unit
- RU : Radio Unit
- PCRF : Policy and Charging Rule Function
- MME : Mobility Management Entity
- HSS : Home Subscriber Server
- LPWAN : Low-Power Wide-Area Network
- LoRa : Long-range Wireless IoT Protocol

Gumi

Access

- DU/RU
- UE

20G
1G
160G
20G
10G
10G
10G
10G

THANK YOU!