

# Current Status and Achievements of Korean ICT Industry

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**kotra**

Korea Trade-Investment  
Promotion Agency

**KOTRA Athens**



# Contents

1. Current status of Korean ICT Industry
2. Achievements of Korean ICT Industry
3. ICT Services in Korean Daily Life

## ICT KOREA

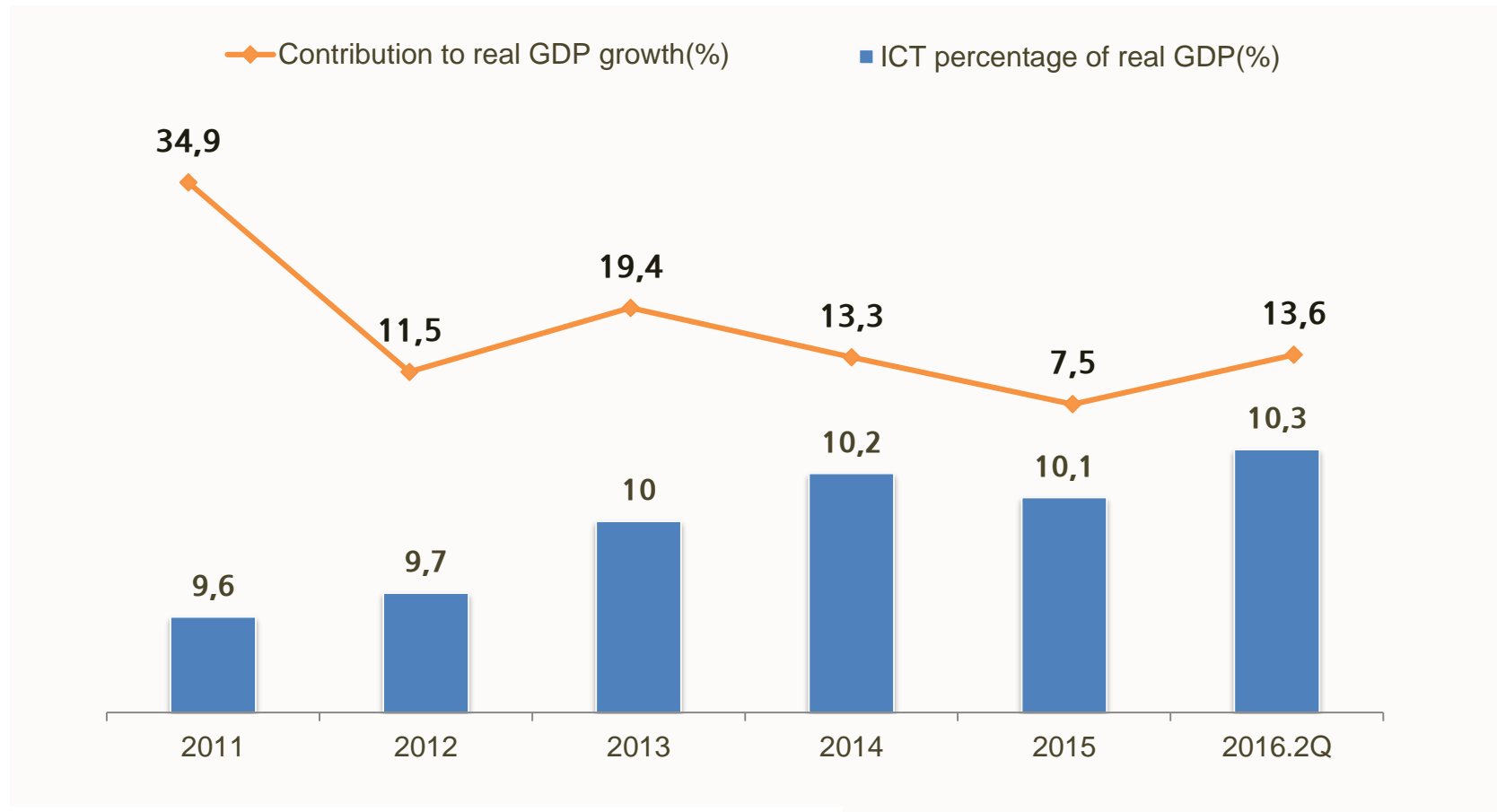


A network diagram with numerous nodes and connecting lines, rendered in a light blue color, is positioned in the upper left corner of the slide. A horizontal bar with a green-to-blue gradient spans across the middle of the slide, partially overlapping the network diagram.

# 1. Current status of Korean ICT Industry

# 1-1. ICT Industry as a percentage of GDP

▪ ICT Industry contributes to 13.6 % of Korea real GDP(2016.2Q)



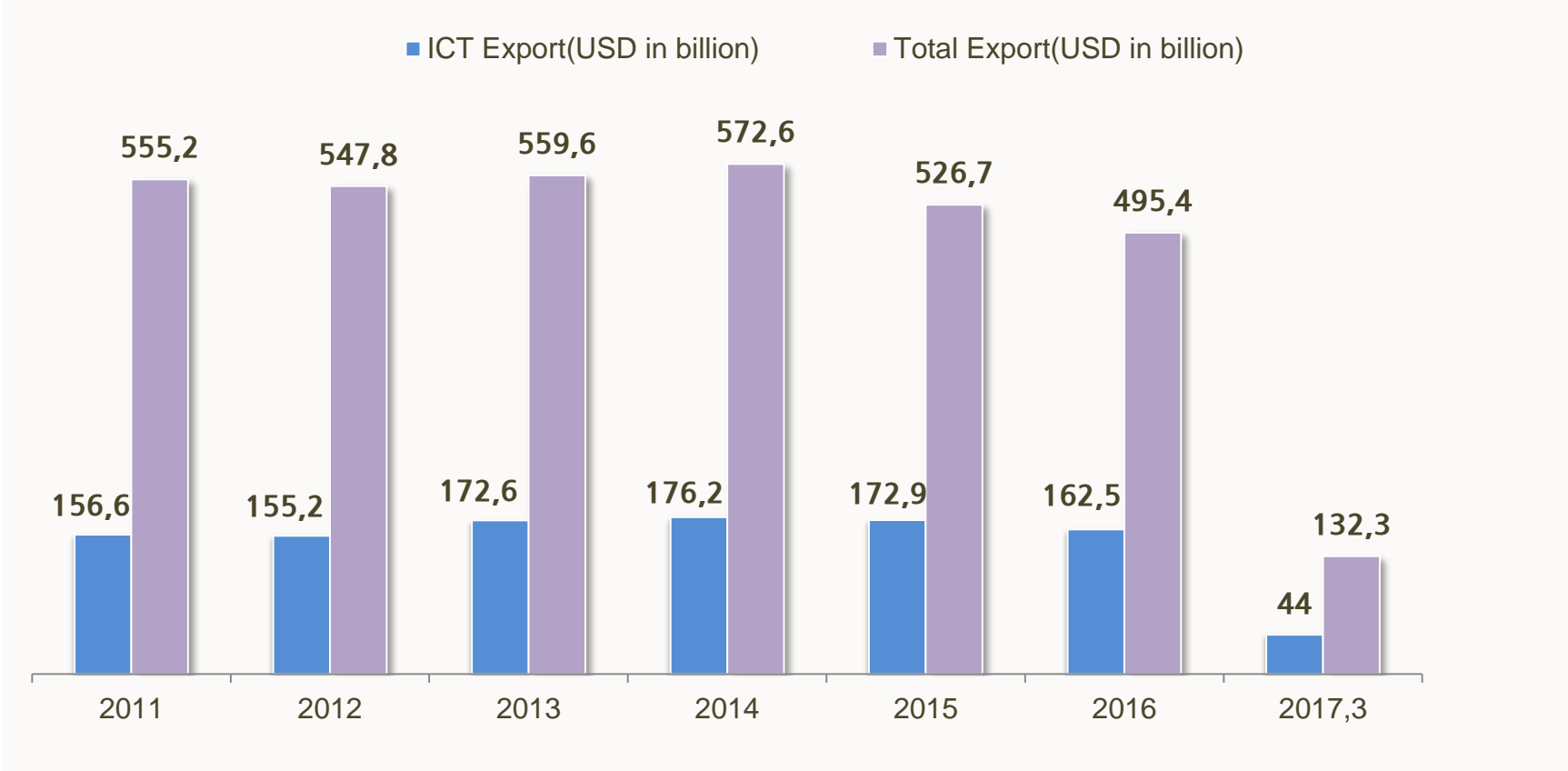
Source : Third Quarter of 2017 ICT Statistics Report , NIPA



# 1-2. ICT Industry Export



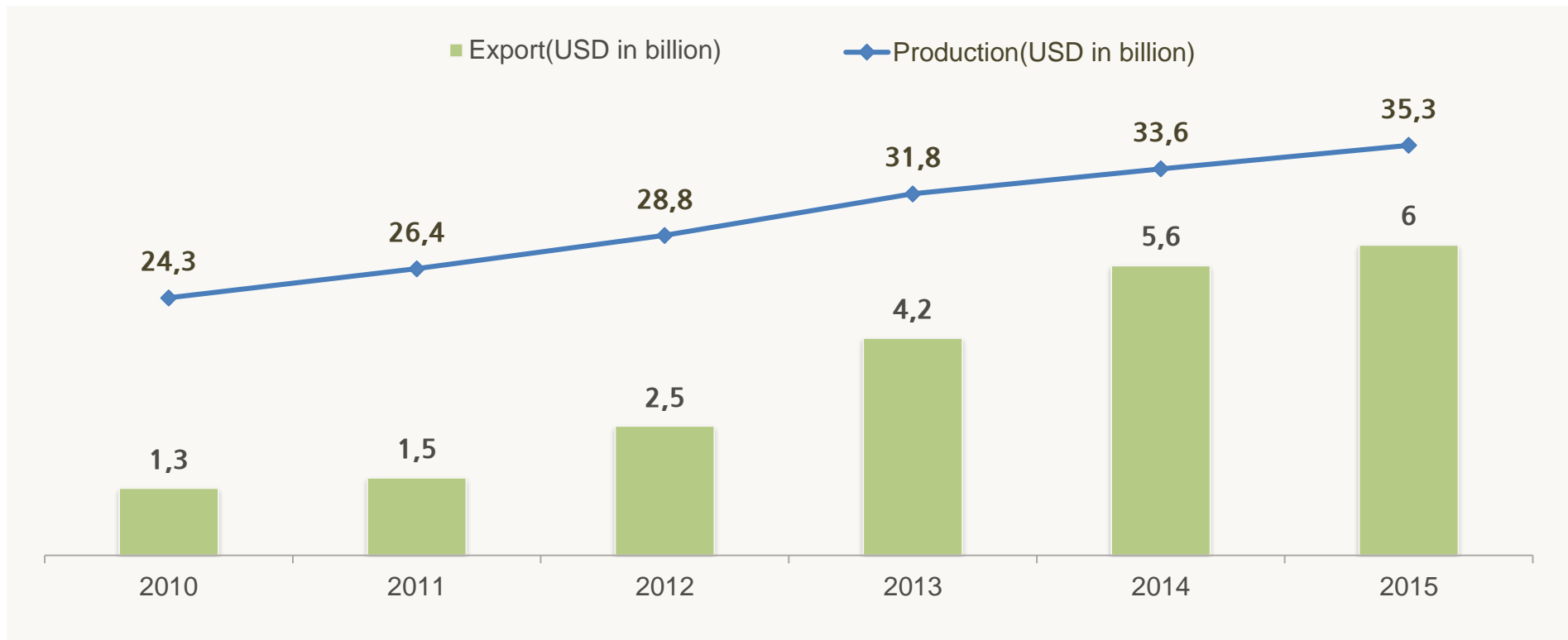
▪ ICT products export reached USD 162.5b in 2016( 33% of Total Export)



Source : The First quarter of 2017 Korea ICT Trade report, NIPA

# 1-3. Software Production & Exports

- Korea's Software export is steadily increasing

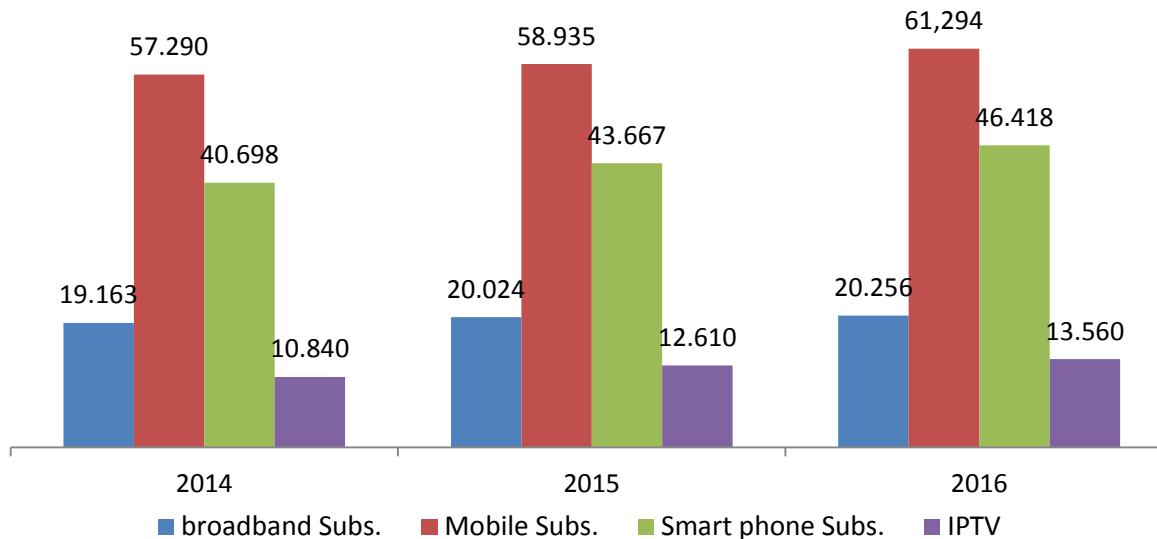


Source : 2016 Annual report on the promotion of the Korean ICT industry, NIPA

# 1-4. ICT Penetration Rate

- 75% of mobile subscribers are smart phone users
- IPTV subscribers surpasses cable TV subscribers

(Unit: 1,000)



- Population: 51 M  
- Household: 20 M

**Broadband internet subscribers  
(household 20M)**

**Mobile Subscribers  
(61.3M)**

**Smart phone subscribers  
(46.4M)**

**IPTV subscribers  
(13.6M)**

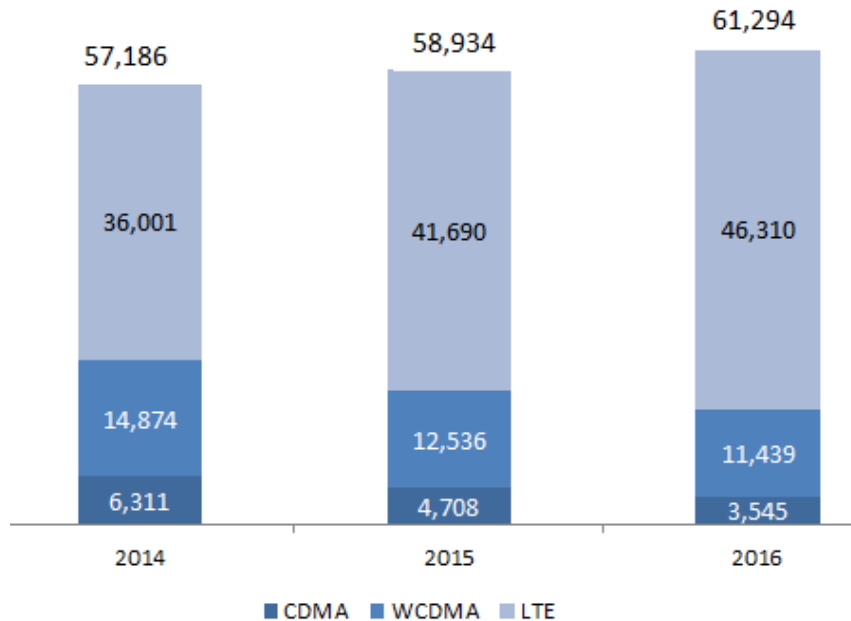
Source : MSIP(Ministry of Science, ICT and Future Planning)

# 1-5. Broadband Infrastructure

- LTE era in Mobile : 75% of mobile subscribers use 4G LTE and LTE-A services
- FTTH era in internet : 35% of internet subscribers use FTTH( over 70%: 100Mbps)
- **Commercial service of Giga internet : 10 times faster than 100Mbps(2014.11~)**

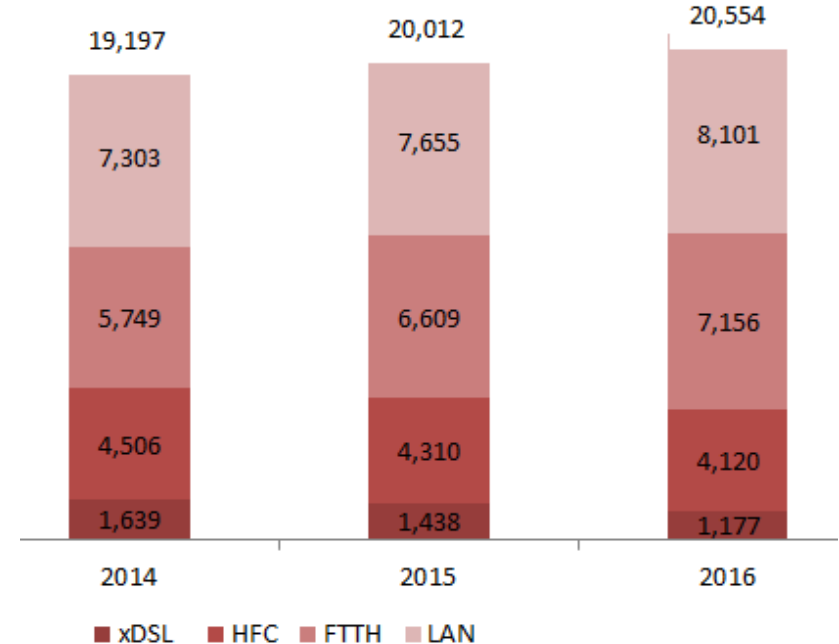
Mobile Subscribers

(Unit: 1,000)



High speed internet subscribers

(Unit:1,000)

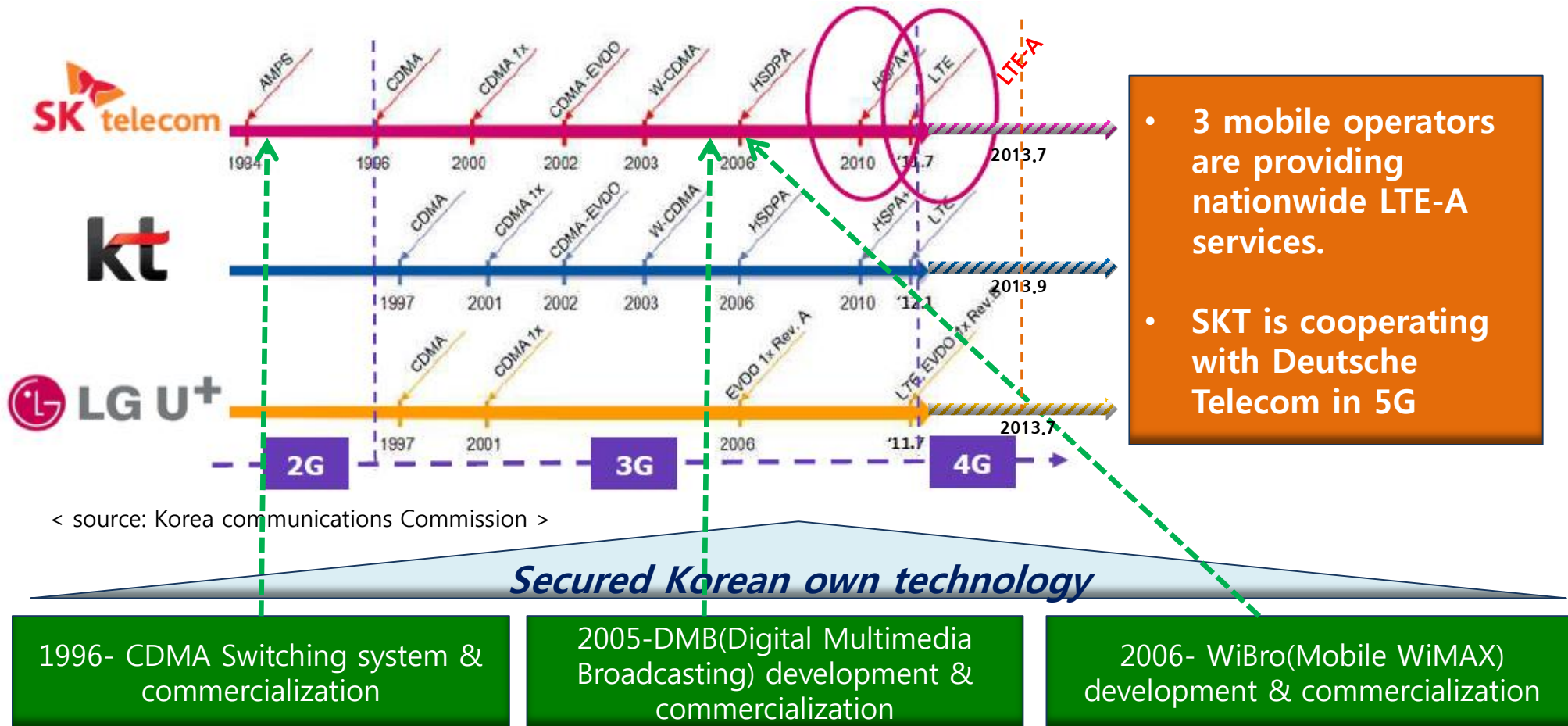


Source : MSIP(Ministry of Science, ICT and Future Planning)



# 1-6. Mobile Network Development

- Mobile infrastructure : moved to 4G LTE and preparing 5G
- IoT dedicated network : LoRa(SKT), NB-IoT(KT & LG U+)
- Free wifi network : nationwide (even in subway and bus)

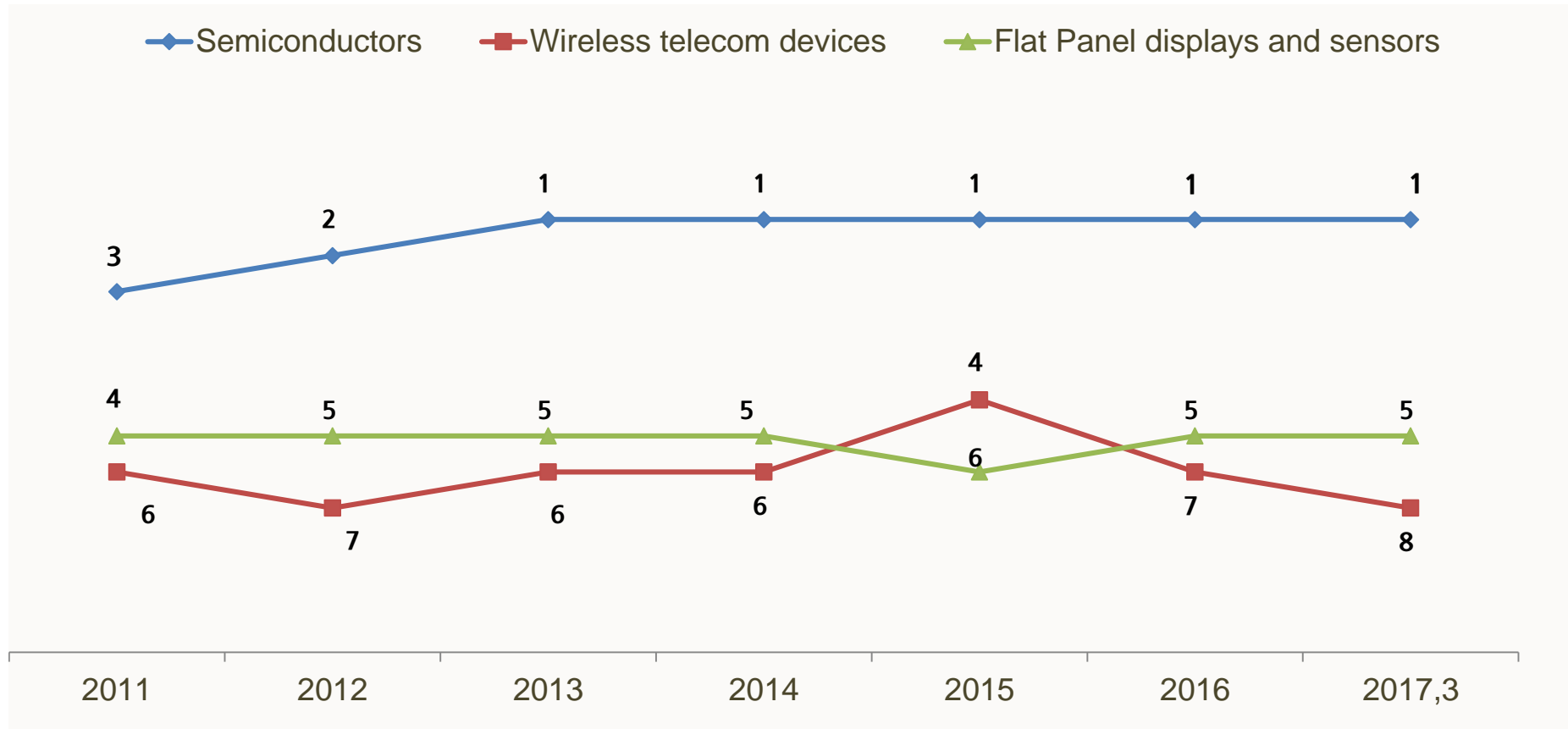


A network diagram with blue nodes and lines on a dark blue background. A horizontal green bar with a gradient is positioned across the middle of the image.

## 2. Achievements of Korean ICT Industry

## 2-1. Export of Main ICT Products

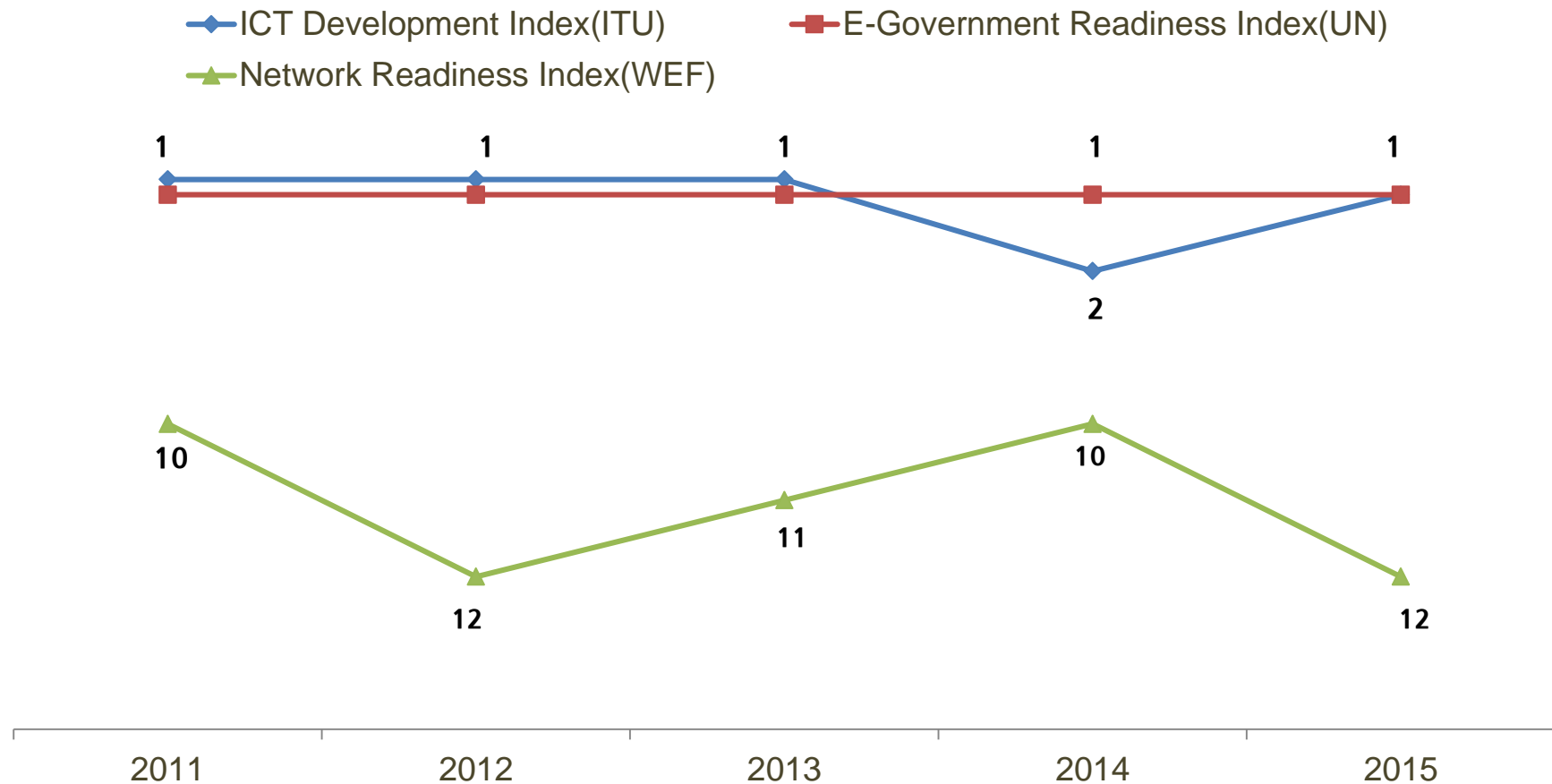
- Three ICT products ranked as TOP 10 of main export products



Source : MTI Trade Statistics, KITA

## 2-2. Korea's Ranking in Major ICT-related Index

- Korea ranked as TOP in major ICT-related international assessment index



Source : ITU(International Telecommunication Union), UN(United Nations), WEF(World Economic Forum)

## 2-3. Korean E-Government

- Korea has ranked **1<sup>st</sup>** in the three consecutive UN E-Government surveys in 2010, 2012 and 2014.

### UNITED NATIONS E-GOVERNMENT SURVEY 2014

E-GOVERNMENT FOR THE FUTURE WE WANT

World e-government leaders

Republic of Korea

Australia

Singapore

France

Netherlands

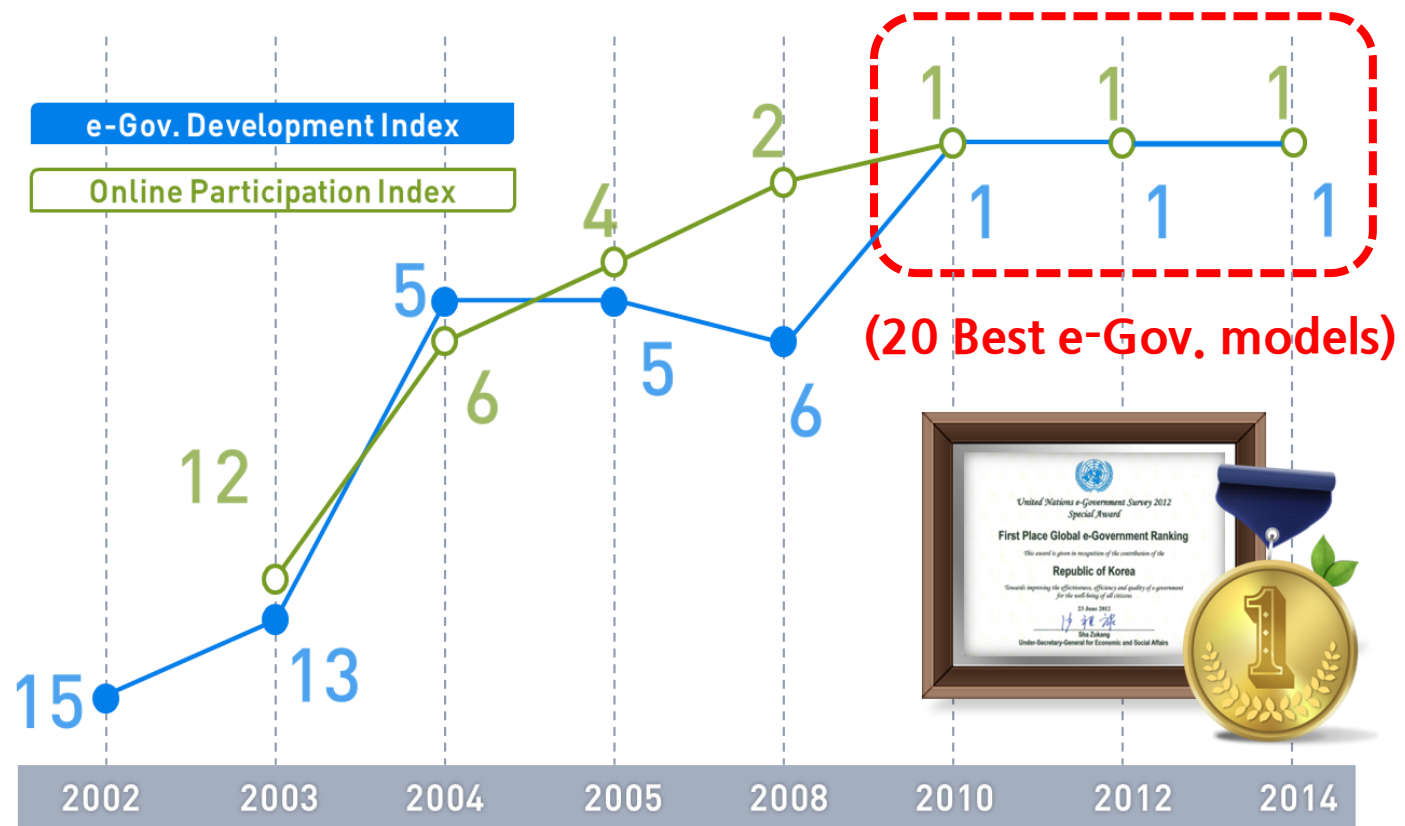
Japan

United States of America

United Kingdom

New Zealand

Finland

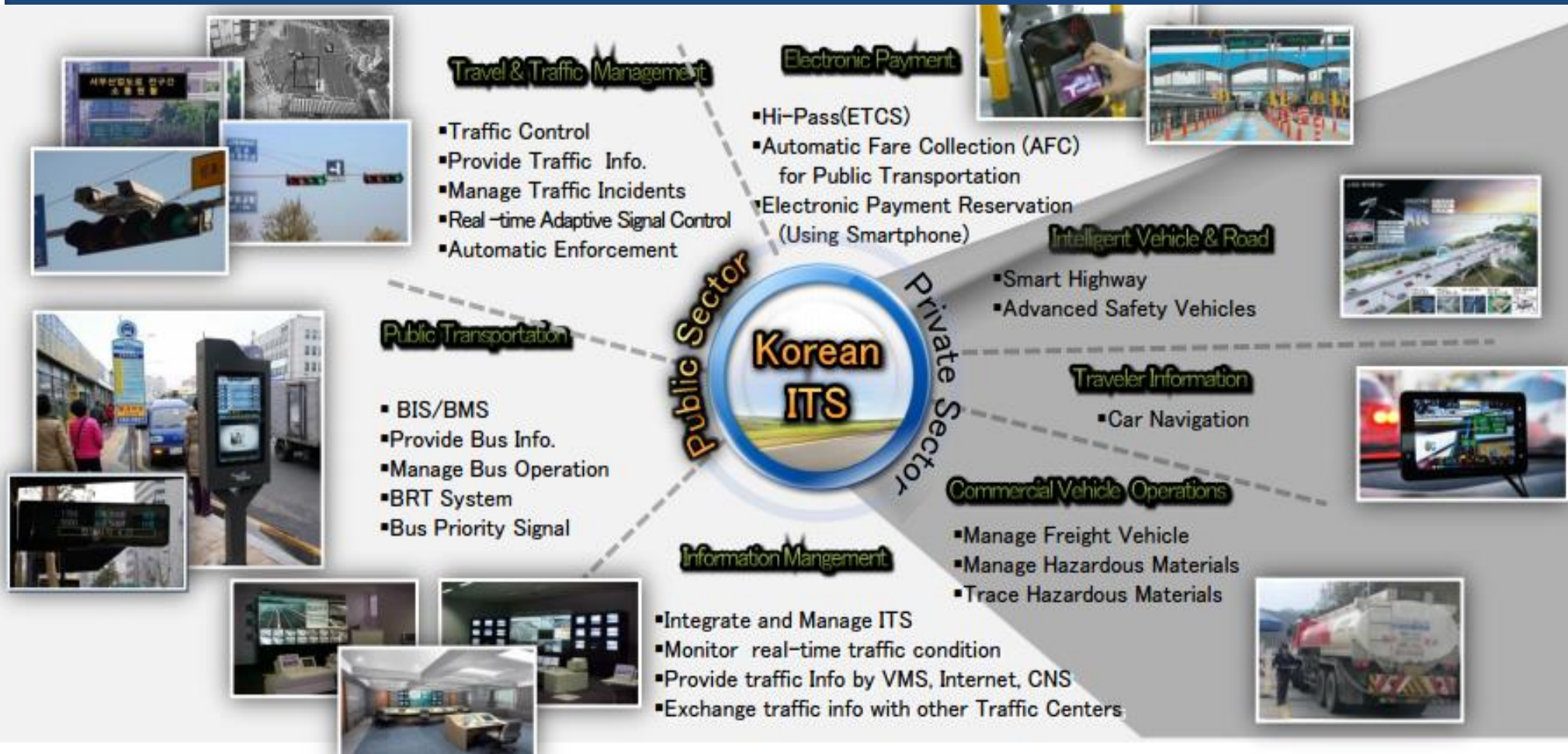


Source : United Nations e-Government Survey 2014, UN



## 2-4. ITS Services in Korea

- World class ITS service technologies like ATMS, ETCS, ATE, AFC, PIS, BIS/BMS etc.
- ITS services exported to 35 countries such as Colombia, Vietnam, Philippines, Indonesia, Greece since 2006



A network diagram with blue nodes and lines on a dark blue background. A horizontal green bar with a gradient is positioned across the middle of the image.

# 3. ICT Services in Korean Daily Life



# 3-1. Always Network Connected

## SNS

(Always connected with friends)



## Web surfing in Subway

(Free WiFi in subway )



## Watching TV in Subway

(LTE & DMB )



## Mobile banking outside

(Via Wireless internet )



*Always Network Connected*

## BUS information

(Via DID system)



## Smart payment



## Mobile Office Outdoor

(Via WiFi and Wireless internet )



## 3-2. Public ICT Services

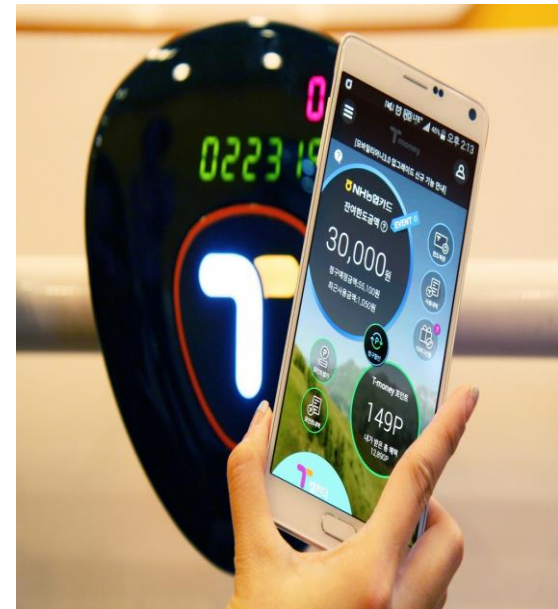
### Smart Transportation : Essential daily life service via mobile



Bus Information



Subway Information



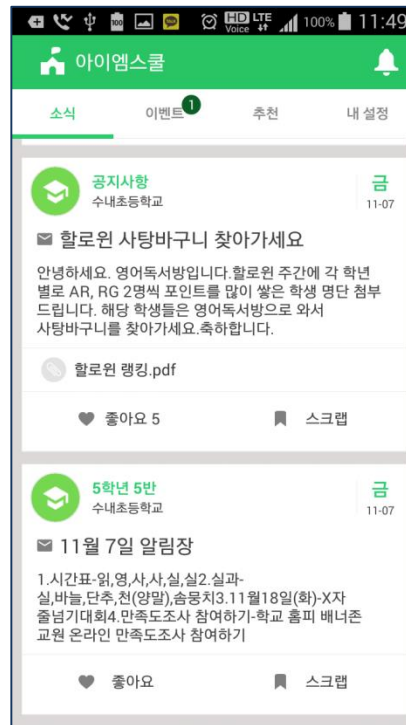
Smartphone Transportation Card

## 3-3. Personal ICT Services

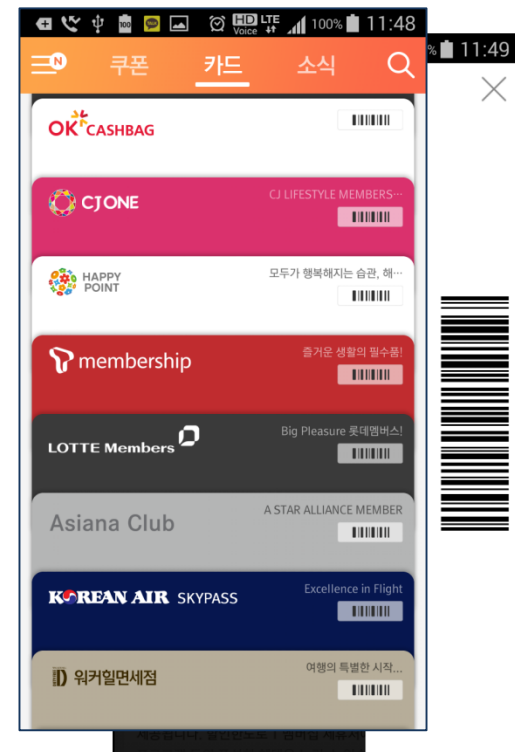
- Smart Life : Enjoying convenient daily life service by mobile



Mobile banking



School info, service



Smart point card



# Thank You!

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