

**9th World Telecommunication/ICT Indicators
Meeting (WTIM-11)
Mauritius, 7 - 9 December 2011**



Contribution to WTIM-11 session

**Document C/11-E
7 December 2011**

English

SOURCE: Korea Association of Information and Telecommunication (KAIT), Republic of Korea

TITLE: Measuring Wireless Broadband Subscriptions in Korea



Measuring Wireless Broadband Subscriptions in Korea

December 2011

Dr. Seung Keon Kim

KOREA COMMUNICATIONS COMMISSION
Korea Association for ICT Promotion

KAIT
Korea Association for ICT Promotion

<http://www.kait.or.kr>

Introduction to KAIT

ICT statistics support organization

ICT statistics compilation and provisioning (KAIT)

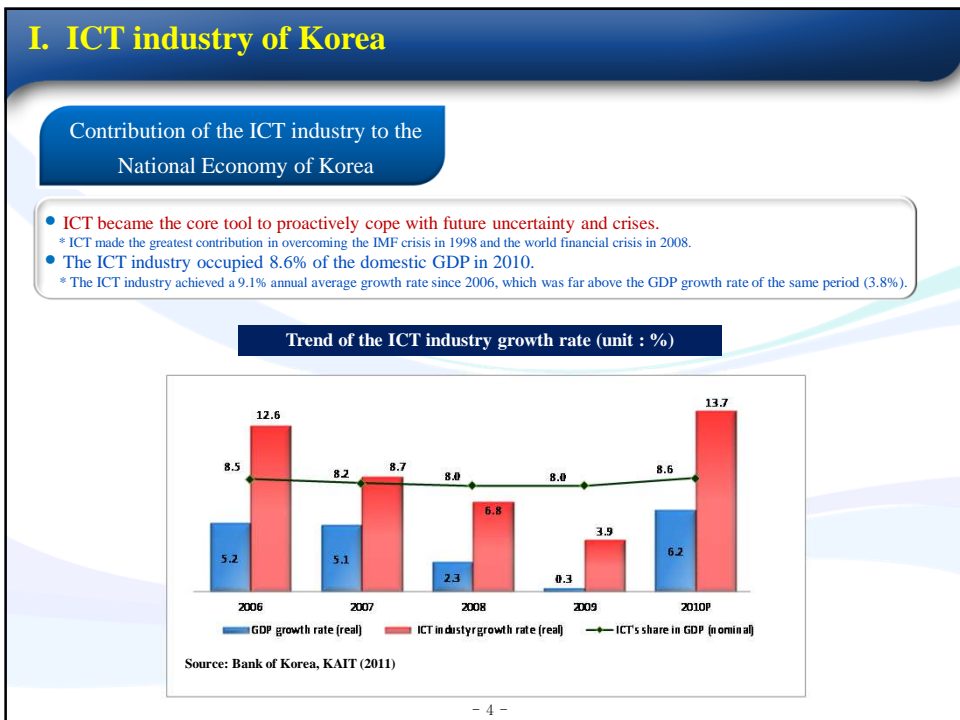
- **ICT statistics compilation and provisioning: The base data used to analyze competitiveness in the ICT industry and policy implementation**
 - ※ KAIT consistently complies government-approved statistics and data related to ICT, and is obliged to submit social index-related statistics to the OECD and ITU.
- **Collection of domestic and overseas ICT statistics and status analysis**
 - ※ Responds to the statistics submission requests from the OECD and ITU.
 - Collects and analyzes statistics from broadcasting and communication committees throughout the world.
- **Increases online surveys using the statistical work support system and manages the database efficiently.**
 - ※ Provides various information and improves utilization of the statistical data, using the statistics portal service.
- **Provides statistics related to the international ICT index, analyzes 12 international ICT index**
 - ※ Provides the ICT statistics to the OECD and ITU, analyzes the international ICT index and provides information for policy establishment to the Korea Communications Commission and the Blue House.

- 2 -

Contents

- I. ICT industry of Korea
- II. Wireless Broadband subscription by country
- III. Measuring methodology
- IV. Suggestion

- 3 -

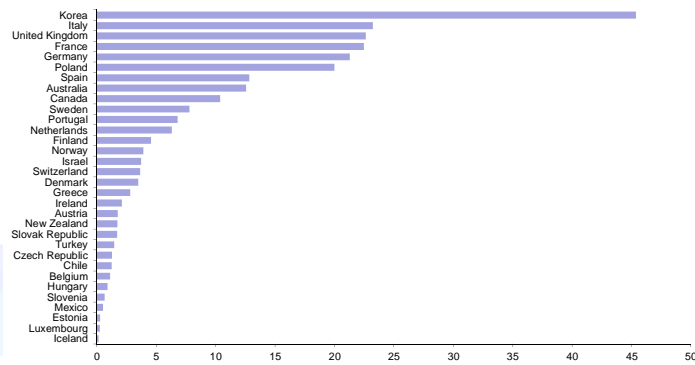


II. Wireless broadband subscription by country

Total Wireless Broadband subscription by country

- The number of Wireless Broadband subscriptions in Korea was 45.4 millions in 2010, which was the 3rd rank in the world. United States ranked 1st(165.4 millions) and Japan ranked 2nd(97.7 millions).

OECD Total wireless broadband subscriptions, by country, millions, Dec. 2010



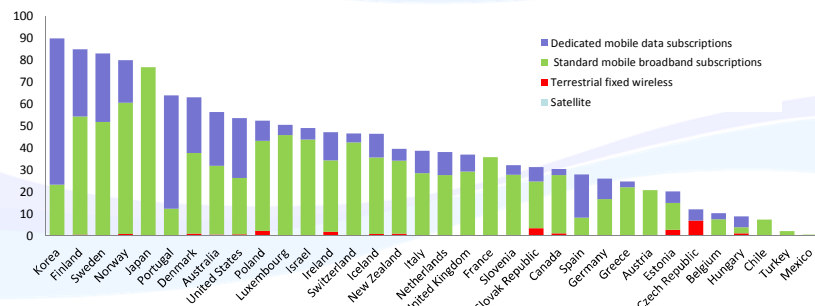
- 5 -

II. Wireless Broadband subscription by country

Wireless Broadband subscriptions per 100 inhabitants, by technology

- Korea is the leading country for wireless broadband subscriptions, with 89.8 per 100 inhabitants, followed by Finland (84.8), Sweden (82.9) and Norway (79.9). This compares to an OECD average of 41.6 and a total of just under 512 million.

OECD wireless broadband subscriptions per 100 inhabitants, by technology, December 2010 (unit : %)



- 6 -

III. Measuring methodology

ITU Definitions of WTI Indicators

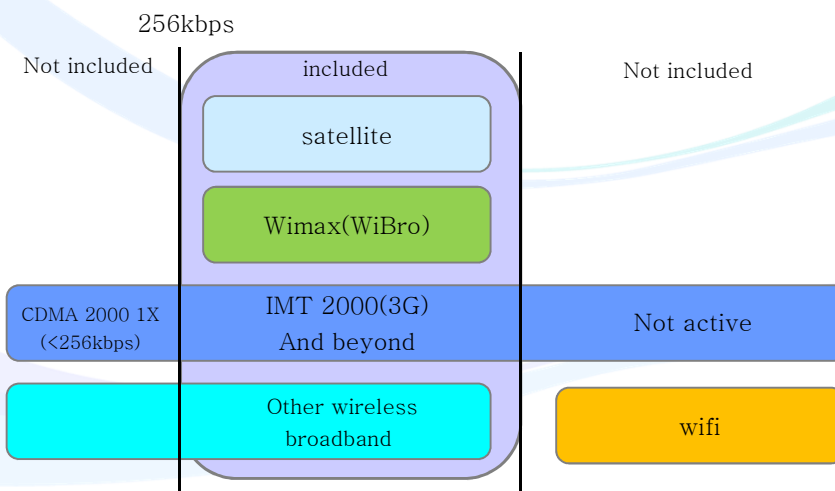
Index	Definition
271w	Total Wireless broadband subscription Sum of satellite, terrestrial fixed wireless and terrestrial mobile wireless subscriptions. (271s + 271fw + 271mw)
271s	Satellite subscription The number of satellite Internet subscriptions with advertised download speeds of at least 256 kbit/s.
271fw	Terrestrial fixed wireless subscription The number of terrestrial fixed wireless subscriptions with advertised download of at least 256 kbit/s. This could also include fixed WiMax and fixed wireless subscriptions and excludes occasional users at hotspots etc.).
271mw	Terrestrial mobile wireless subscription Sum of active mobile broadband subscriptions and dedicated mobile data subscriptions. (271mb_use + 271md).
271mb_use	Standard mobile subscription with use of data communications at broadband Speeds Standard mobile subscriptions (only included with active use): Includes mobile subscriptions with advertise data speeds of 256 kbit/s or greater and which have been used to make an Internet data connection via IP in the previous 3 months. To be counted, the subscription must allow access to the greater Internet via HTTP and must have been used to make a data connection using the Internet Protocol in the previous three months. Standard SMS and MMS messaging do not count as an active Internet data connection even if they are delivered via IP.
271md	Dedicated mobile data subscriptions Subscriptions to dedicated data services over a mobile network which are purchased separately from voice services either as a stand-alone service (modem/dongle) or as an add-on data package to voice services which requires an additional subscription. All dedicated mobile data subscriptions with recurring subscription fees are included as "active data subscriptions" regardless of actual use. Pre-paid mobile broadband plans require active use if there is no monthly subscriptions. This could also include mobile WiMax subscriptions.

Source: ITU Definitions of World Telecommunication/ICT Indicators, March 2010 Indicators

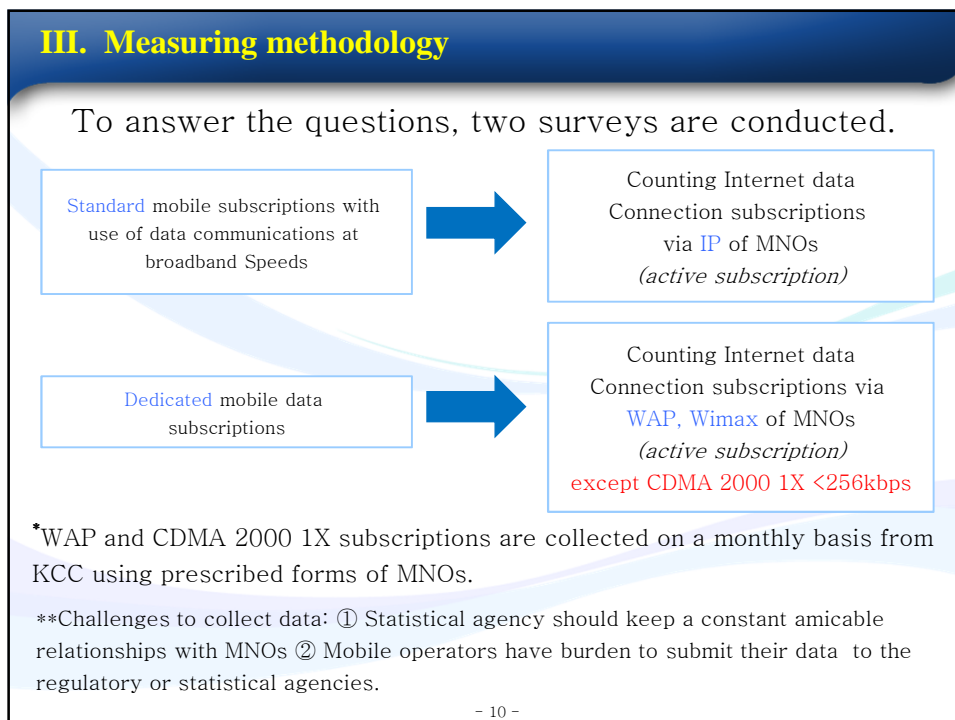
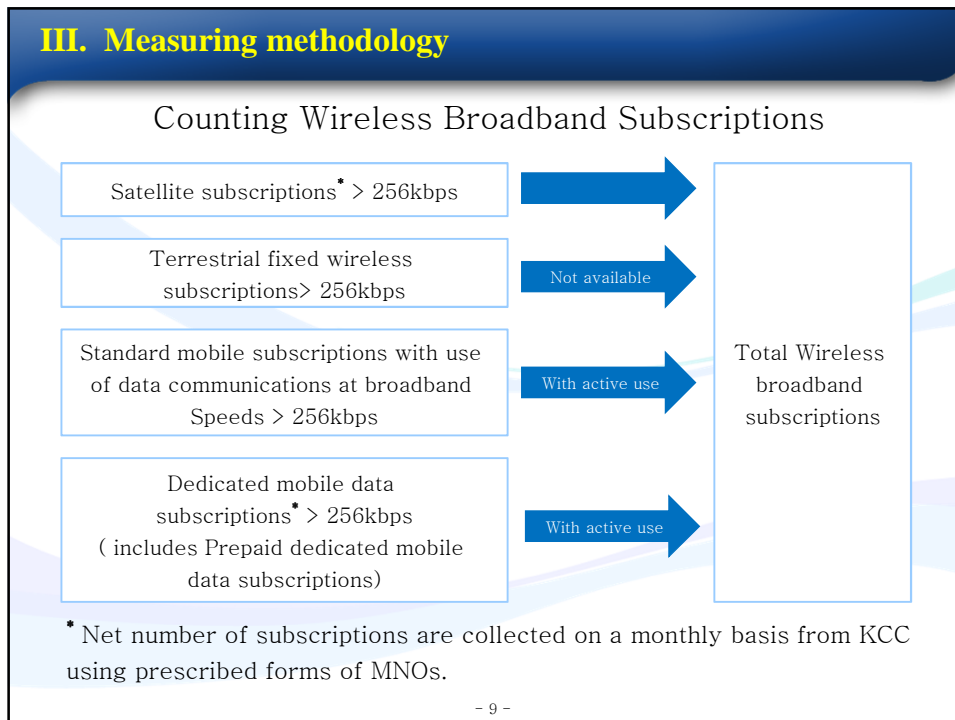
- 7 -

III. Measuring methodology

Composition of Mobile Wireless Broadband Subscription in Korea

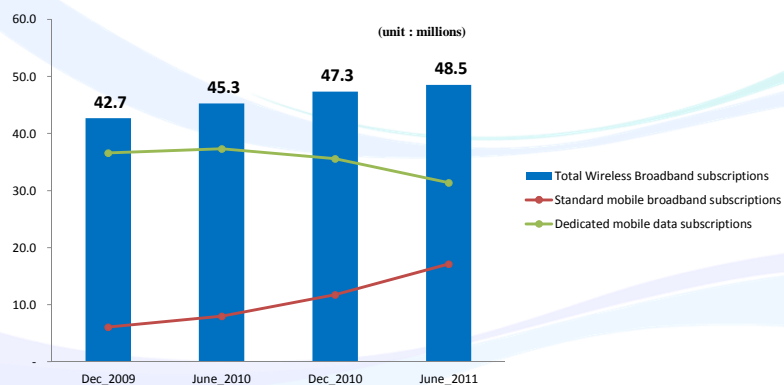


- 8 -



III. Measuring methodology

Comparison of Standard mobile broadband subscriptions and Dedicated mobile data subscriptions



- 11 -

IV. Suggestions

- Repetitious data request from multiple international organizations
 - To lessen countries' burden to collect and submit their data, harmonizing data collection is needed.
- Various ways to collect data by using ITU indicators
 - Efforts to improve reliability of statistics to enhance comparability
- New technologies & New services
 - With recent launch of 4G services in many countries, indicators which measure new technology such as 4G is needed.

- 12 -

