

The Wireless Future

A South Korean perspective



by [texas_smoke69](#)

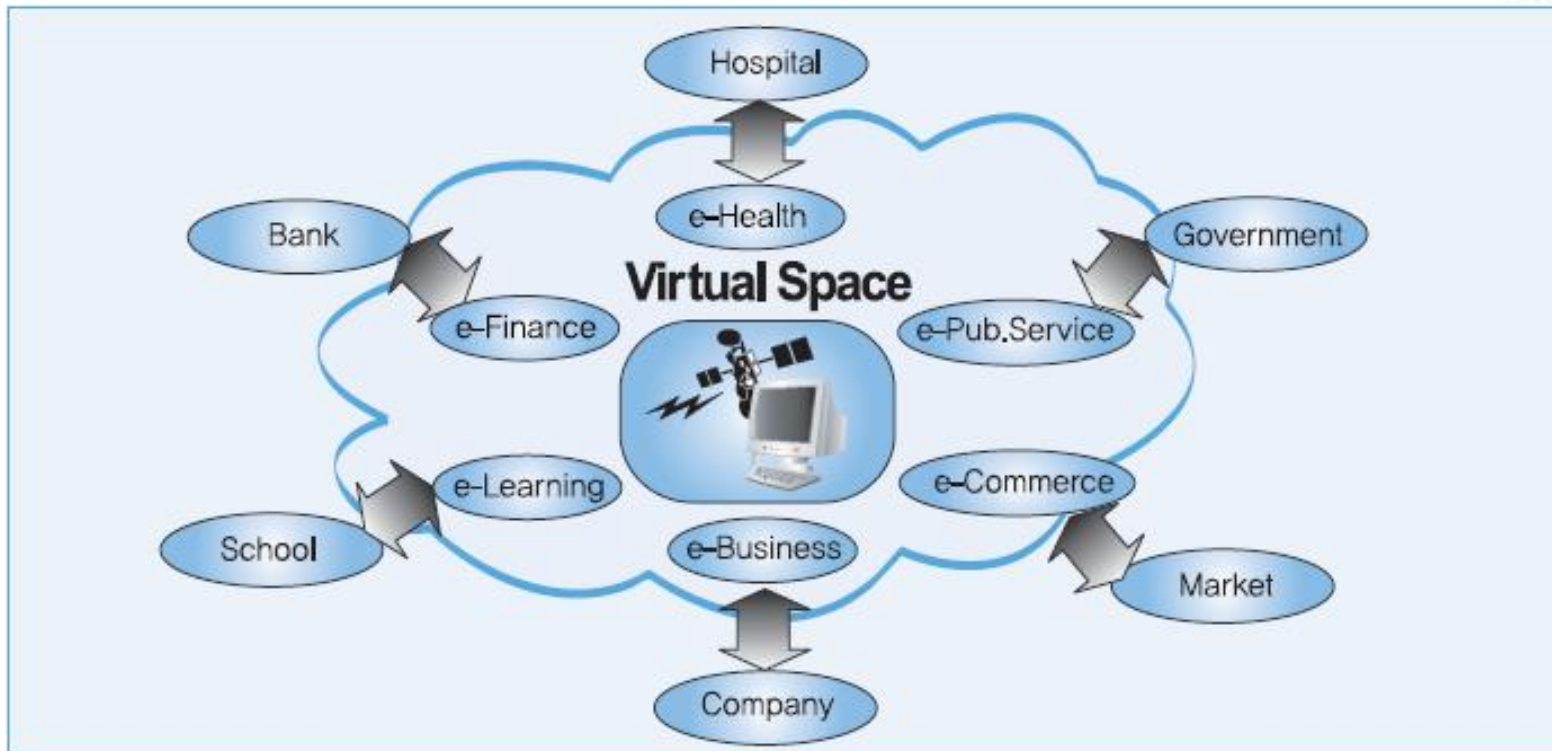
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Why care about South Korean IT strategy?

- The worlds No. 1 broadband nation (ranked by penetration)
- The most advanced mobile phone market in the world (Gartner, Dec 2004)
- Is becoming an R&D base for mobile phone and core communications component manufacturers. Leading worldwide manufacturers, including Motorola, National Semiconductor and Agilent Technologies, have established R&D centers in South Korea to develop next-generation technologies
- The Automotive business will heavily rely on wireless solutions in the future for Telematics and other services

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Vision



One common network for “everything”

LET'S MAKE SURE.

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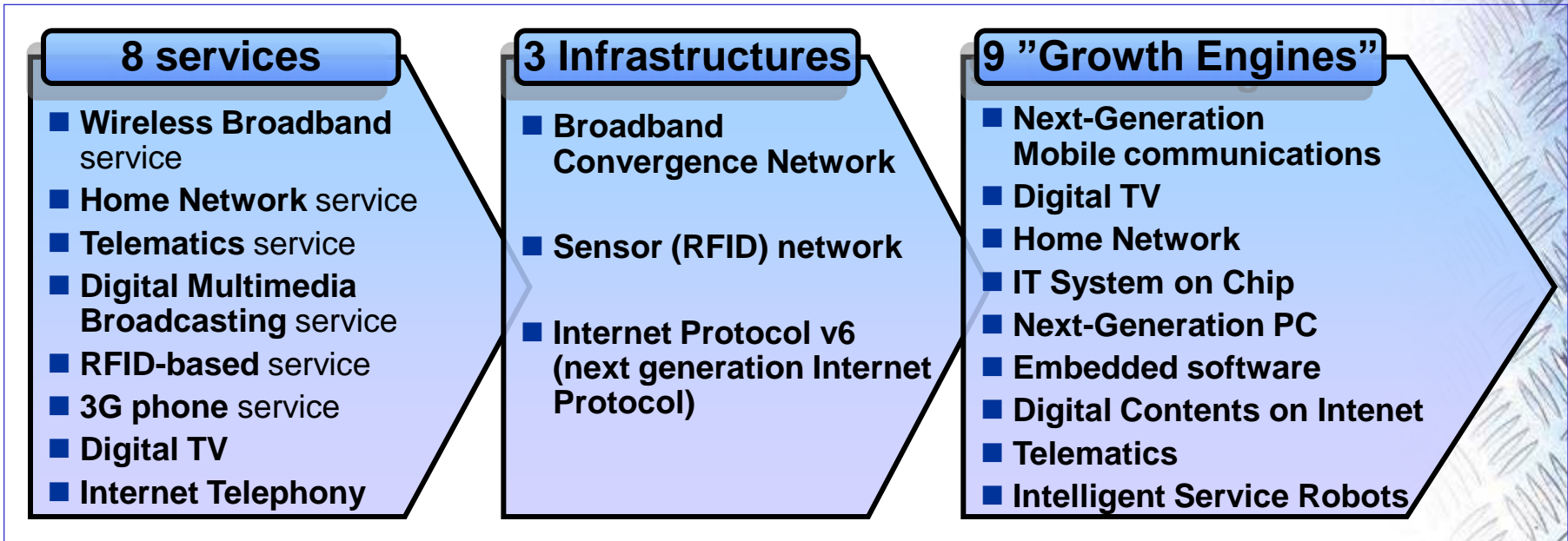
Short Overview of the Korean IT839 strategy

- A nationwide IT Strategy addressing a high capacity network for Governments, Businesses and Home networks
- **8 services** are addressed that will be supported by this strategy
- **3 Infrastructure components** building a nationwide high capacity wireless broadband network
- **9 "Growth Engines"** which are emerging areas and technologies as a consequence of the new infrastructure
- First version presented 2003 by the Korean Government
<http://www.kisdi.re.kr/imagedata/pdf/67/6720030100.pdf>

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The 8-3-9 Strategy in one shot

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The Korean Wireless "Broadband Convergence Network" will be established by 2010, serving 20 million fixed and wireless users.

Samsung will release the first commercial Wireless Broadband (WiBro) 2006, based on this 8-3-9 strategy.

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Telematics in IT839

- The strategy points out directions for wireless solutions and components within the Telematics area
- The intention is to develop standard-, micro- and nano- platforms of Embedded Software - "System on Chip"
- The Korean government plans to set up a 'telematics service pilot city' acting as a test-bed and supporting R&D activities within the telematics area



by digitalMe4u

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Summing up

- **The Korean vision** is basically valid even for the rest of the world
- **Voice, Video and Data** will be running on the same network based on IPv6 (next generation Internet Protocol)
- **Business, Government and Home** will utilise the same network but for different purposes
- **Sensor networks** (i.e RFID) will be connected to the same common network

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