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# Introduction to Korea ICT Industry

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# Overview of Korean Economy



	2000	2001	2002	2003	2004(P)
<b>GNI per capita (\$)</b>	<b>10,841</b>	<b>10,160</b>	<b>11,499</b>	<b>12,720</b>	<b>14,162</b>

(Source: Bank of Korea)



(Source: KITA, 2003)

**ICT Contribution to Korean Economy (2004) :**

**GDP (14%) & Export (30%)**

## IMD World Competitiveness Yearbook 2005

### Technological Infrastructure

Country	%	Rank
US	68.93	1
Korea	63.35	2
Singapore	62.72	3
Hong Kong	61.18	4
Taiwan	60.45	5

### Broadband Subscribers

Country	%	Rank
Korea	233.3	1
Hong Kong	180.9	2
Canada	146.9	3
Taiwan	134.6	4
Denmark	133.3	5

### Broadband Cost

Country	US\$	Rank
Japan	0.09	1
Korea	0.25	2
Belgium	1.15	3
Hong Kong	1.27	4
Singapore	2.21	5

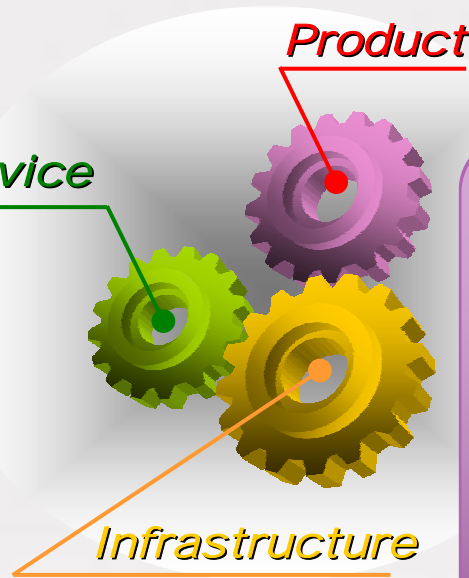
# of subscribers per 1,000 inhabitants

US\$ per 100 kbps per month

## 8 Services

- WiBro Service
- DMB Service
- Home N/W Service
- Telematics Service
- RFID-based Service
- W-CDMA Service
- Terrestrial DTV
- Internet Telephony

*Service*



*Product*

*Infrastructure*

## 9 Products

- Mobile Telecomm Handset & Equipment
- Digital TV & Broadcasting devices
- Home Network Devices
- IT System-on Chip
- Next Generation PC
- Embedded SW
- Digital Contents & SW Solutions
- Telematics Devices
- Intelligent Service Robot

- Broadband Convergence Network
- Ubiquitous Sensor Network
- Next Generation Internet Protocol [IPv6]

## 3 Infrastructure



# Value Chain in ICT

## Industry

- Role of Gov't
- Role of Business

Global Mobile handset market of \$106.6B  
**Korea's share at \$30B(27.8%)**

Introduction of new service  
(W-CDMA, DMB)

Licensing, Fair Competition

Preparation for New Service



Development and export of new device/content

Standardization

Tech Development

Infrastructure building such as base stations and BcN

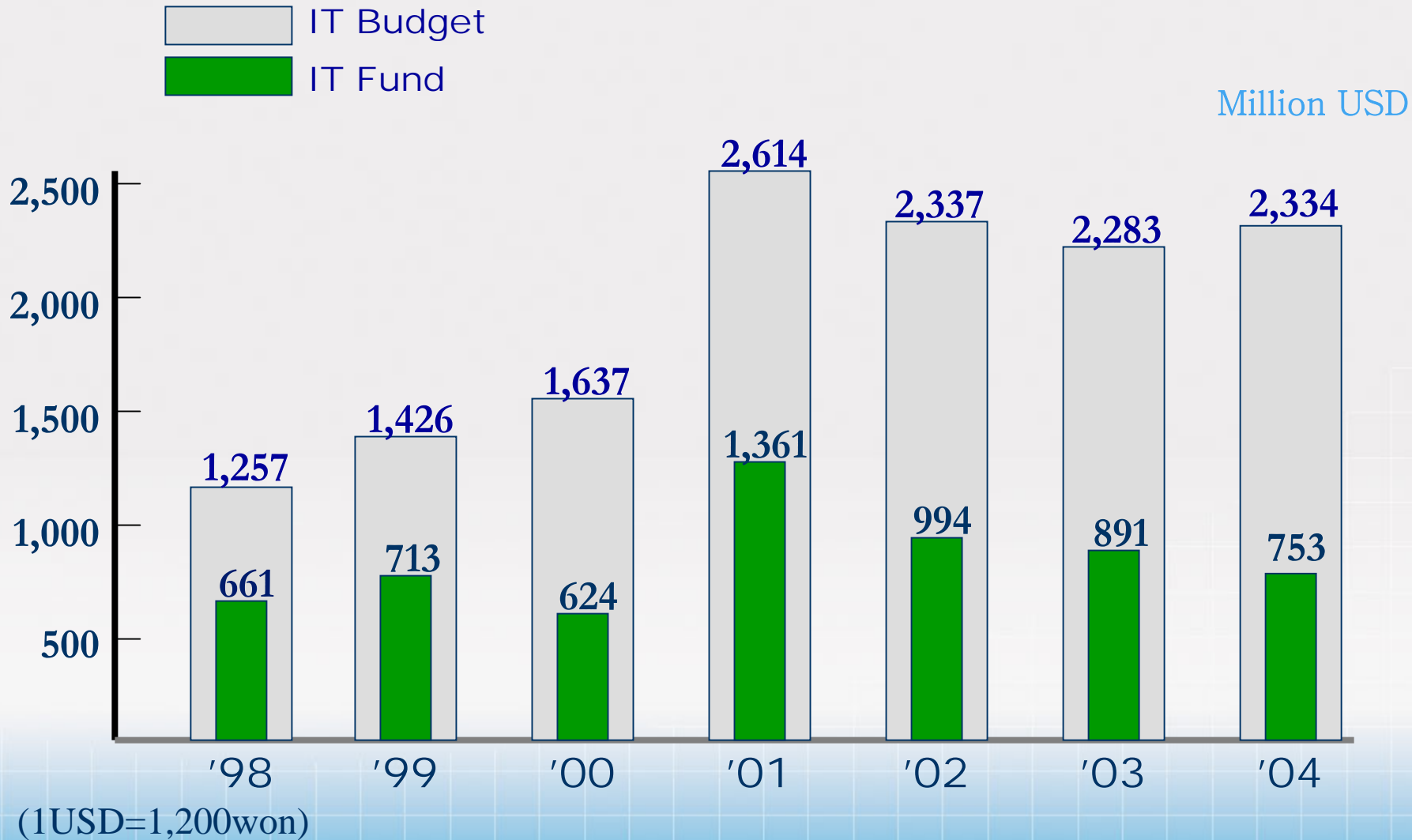
Policy Making

Investment

# ICT Investment



◆ Average Annual Increase Rate of IT Budget (1998~2003): 12.7%



## ◆ Public IT Project Support Program

- During '94~'03, 364 M USD investment in 368 projects

### e-Gov Project

- 162M USD for 31 projects
- e-Gov 11 Key Initiatives, Road-map tasks

### Public IT Project

- 151M USD for 223 projects
- national logistic information systems, etc

### Local IT Project

- 11M USD for 48 projects
- local information systems

### Pilot Project

- 40M USD for 66 projects
- e-Learning, remote medical treatment



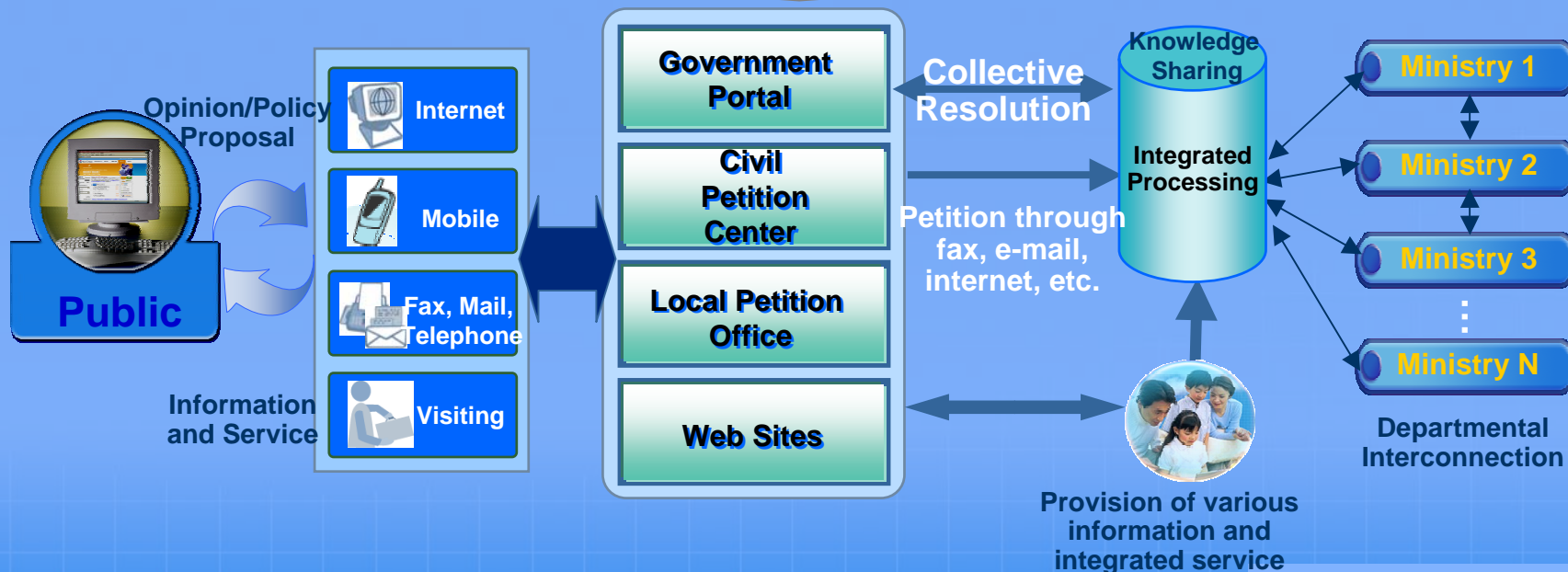
ICT Status of Korea

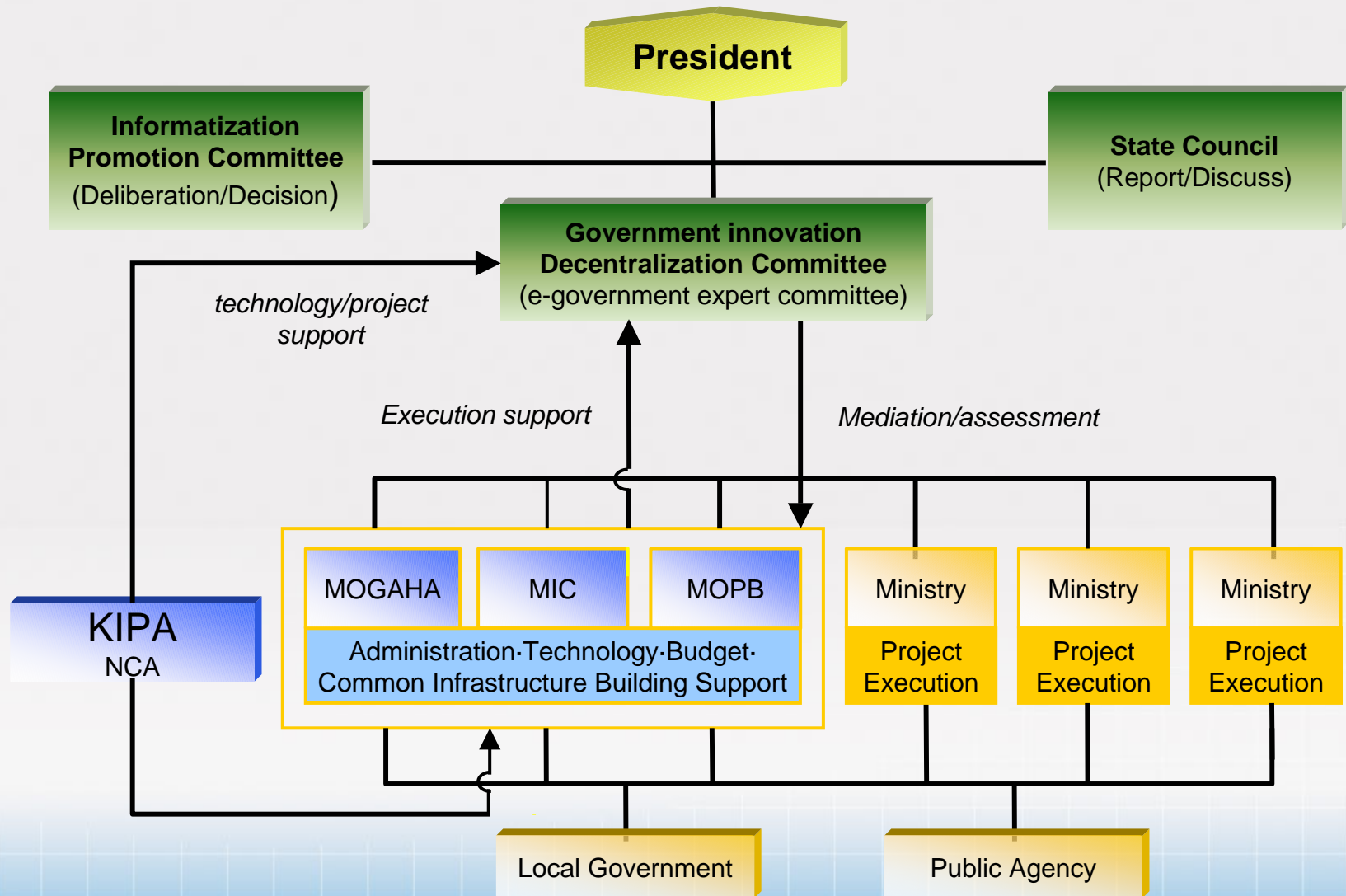
**e-Government in Korea**

# e-Government Vision

## 「World's Best e-Government」

- ❖ Service Delivery Innovation
  - ❖ Enhancement of Administration Efficiency and Transparency
  - ❖ True Popular Sovereignty
- ⇒
- ❖ Network Based Government
  - ❖ Knowledge Based Government
  - ❖ Participatory Government





# e-Gov Korea History

2001

- Electronic Promotion Act (2001)
- Special Committee for e-Gov (2001)
- Key 11 Initiatives (2002)

2003 ~

- e-Gov Roadmap (2003)

Phase 3

Integrating Major Government Processes into a Single Service

Phase 2

The Use of IT across Government Bureaus

Phase 1

Storing Government Records into a Digital Format

1987

- National Basic Information System (1987~1996)

1995

- Framework Act on Informatization Promotion (1995)
- Master Plan for Informatization Promotion (1996)
- CIO appointed in the government (1998)
- Cyber Korea 21 (1999)

# e-Gov Initiatives

## Transparent and efficient Government

- Resident Registration Service
- Electronic Cadastral Service
- Integrated Finance
- Educational Administration
- Information System
- Personnel Policy Support
- Local Administration System

## Infra

- e-Documentation
- Digital Signature & e-Seal
- Gov't Information Systems Consolidation



## Quality Public Service

- Passport Issuance Service
- Immigration Information
- e-Service to Citizen(G4C)
- Integrated Insurance Service
- Home Tax Service (HTS)

## Enhance Business Environment

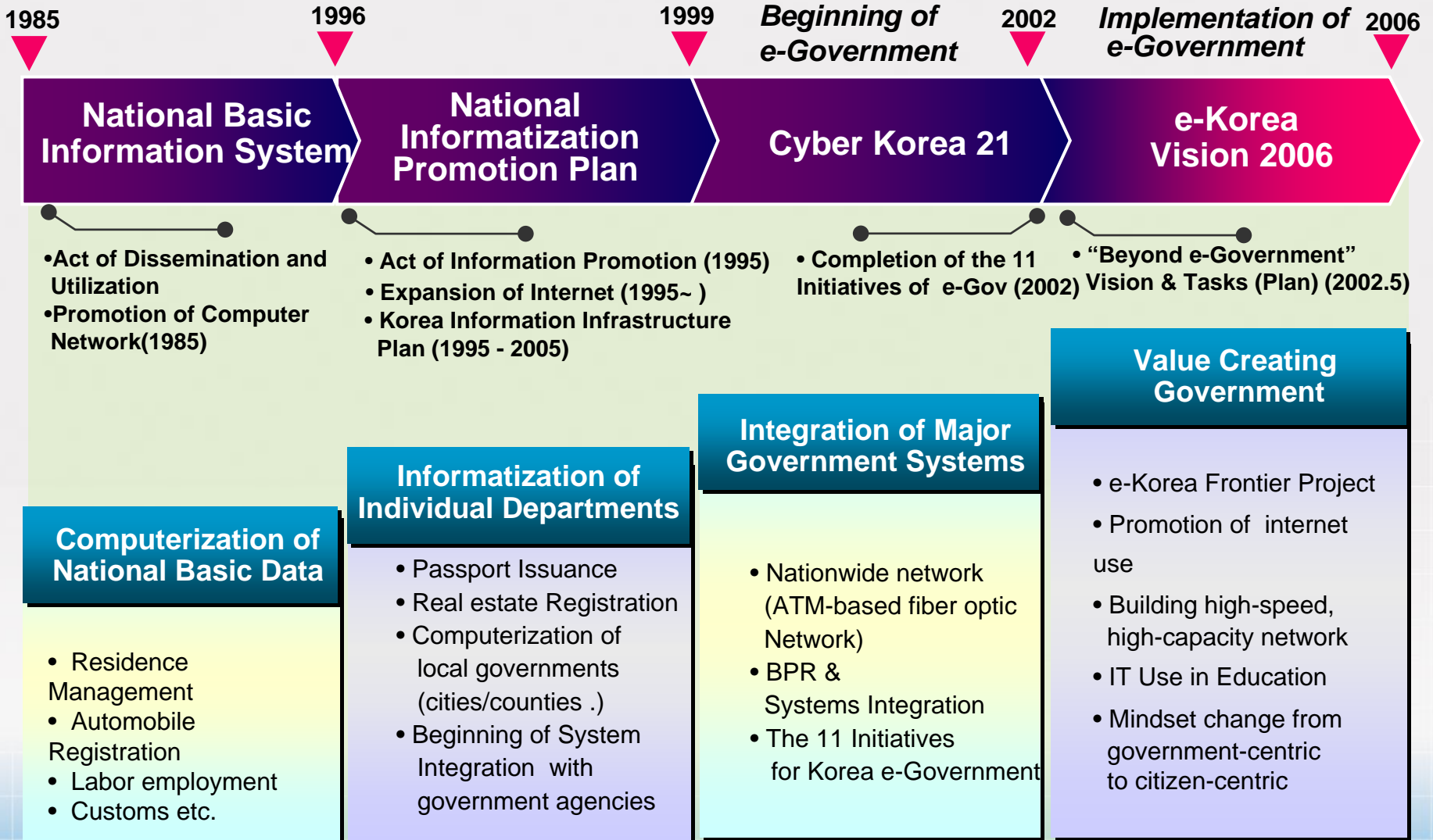
- Patent Online Services
- Korea Customs Services
- National e-Procurement System

# UN Global e-Gov Readiness Index

Rank	Year 2004		Year 2003		Year 2002	
	Country	Score	Country	Score	Country	Score
1	USA	0.9132	USA	0.927	USA	3.11
2	Denmark	0.9047	Sweden	0.840	Australia	2.60
3	UK	0.8852	Australia	0.831	New Zealand	2.59
4	Sweden	0.8741	Denmark	0.831	Singapore	2.58
5	<b>Korea</b>	<b>0.8575</b>	UK	0.814	Norway	2.55
6	Australia	0.8377	Canada	0.806	Canada	2.52
7	Canada	0.8369	Norway	0.778	UK	2.52
8	Singapore	0.8340	Switzerland	0.764	Netherlands	2.51
9	Finland	0.8239	Germany	0.762	Denmark	2.47
10	Norway	0.8178	Finland	0.761	Germany	2.46
11	Netherlands	0.8026	Netherlands	0.746	Sweden	2.45
12	Germany	0.7873	Singapore	0.746	Belgium	2.39
13	New Zealand	0.7811	<b>Korea</b>	<b>0.744</b>	Finland	2.33
14	Iceland	0.7699	New Zealand	0.718	France	2.33
15	Switzerland	0.7538	Iceland	0.702	<b>Korea</b>	<b>2.30</b>
16	Belgium	0.7525	Estonia	0.697	Spain	2.30



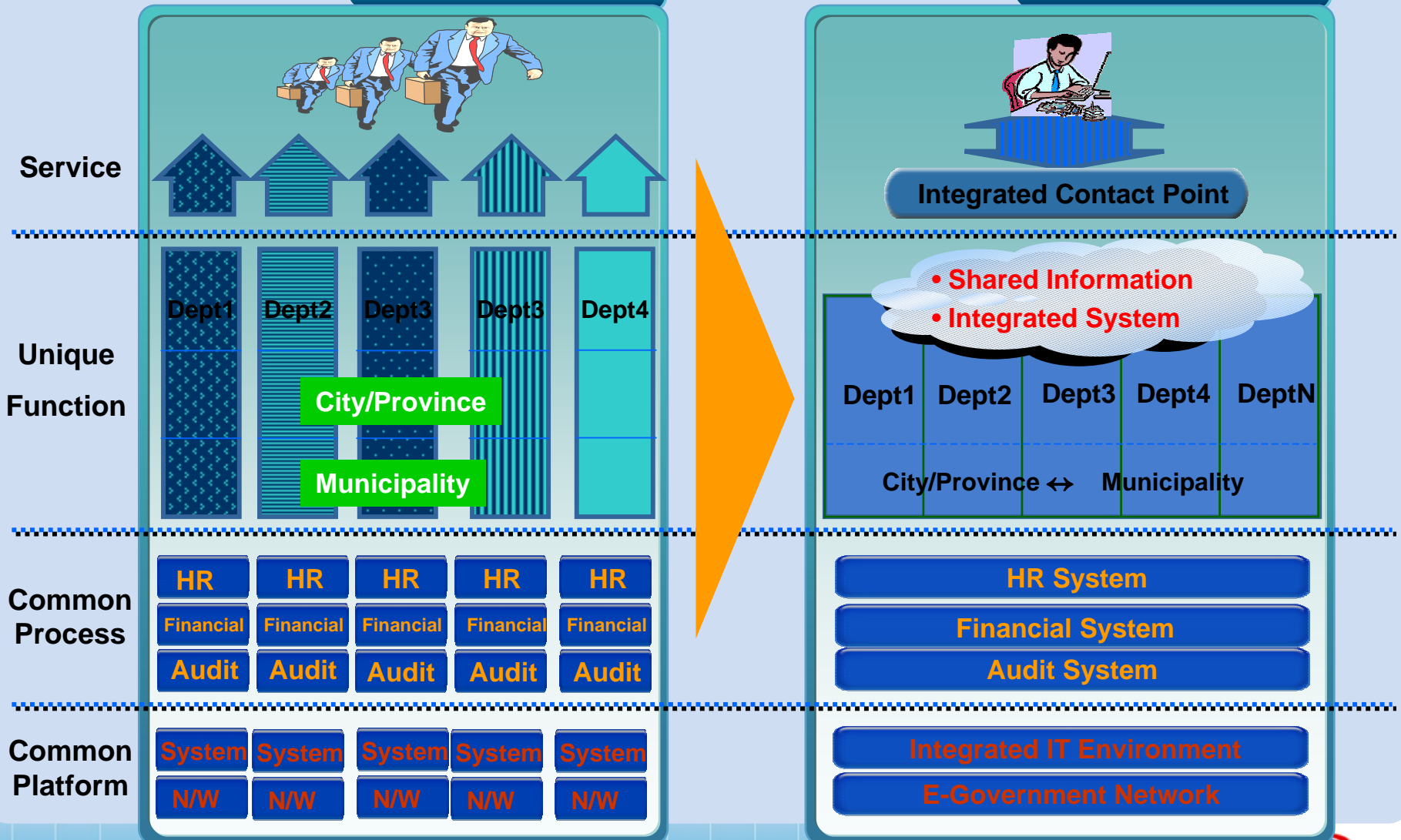
# e-Gov Korea Overview



# Big Picture of Korea's e-Government

**Present**

**Y2007**



# Lessons learned

## ◆ A journey of about two decades

- With a fair share of successes and near failures
- Experienced on business domain knowledge

## ◆ Most valuable lesson learned

- Allowed us to attain greater heights going from one strategic plan to another

## ◆ We are ready to share experience with others

- Korea is the best positioned to help developing countries
- Government to Government Cooperation Program

**Thank you!**

