e-Government of Korea :

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2011-01-10 2011-01-17 2011-01-14

2011-01-11

5대한민국정부

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신뢰할 수 있고, 유용한 정보를 제공 해 주는

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모든 공공기관정보를 이곳에서 확인하실 수 있습니다

Development History and outcomes

National Information Society Agency

Contents

I. Overview of Korea's e-Government

II. Best Practices

III. Towards Smart Government



I. Overview of Korea's e-Government



Strategic Tool for Government Innovation

• The world is using e-Gov't for public sector reforms and service innovation

- The Obama administration emphasized "connecting" and "empowering" the whole U.S through technology and innovation (The Clinton administration focused on "recreating" government)
- OECD emphasized the importance of "government" over "e"

•ICT and e-Gov't are core strategic tools supporting innovation

- Increase administrative efficiency and transparency
- Provide information and services to the people and businesses anywhere anytime
- Expand channels for participating in policy making for citizens

Utilizing ICT as Opportunity for Economic Development

1975 Korea commenced digitization of public administration under President Park Jung-Hee's order

- Recognizing the benefits of information efficiency led by the development of ICT as a challenge for Korea's economic development the government of Korea began to aggressively pursue transformation into a knowledge information powerhouse.

2. History of e-Government

Stages	Period	classification	Major Actions
Inception	1978~1987	Implementing Administrative Computerization	The first & 2nd administrative computerization project
	1987~1996	Building Administrative Computer Networks	The first & 2nd National Basic Information System computer networks project
Foundation	1997~2000	Promoting informatization	 Building the foundation for high-speed information and communications Building 144 regional optical transport network nationally Informatization on unit business or function procurement, passport, patent, customs etc
Launch	2001~2002	11 major tasks for e-Government	 pan-ministry 11 major tasks such as e-civil service, e-procurement partial & limited convergence among unit businesses
Diffusion	2003~2007	31 major tasks for e-Government	 Execution of 31 e-Government Project Amendment of e-Government Acts (2007.1)
Maturity	2008~	Expansion of convergence & sharing	 Implementation of e-Government focused on usage and convergence Expansion of linked convergence into public & private sector Unification of implementation system for national informatization and e-Government

Overview of Korea's e-Government

e-Government

 Framework Act on National Informatization, e-Government Act, Office Management Regulation, Law on Processing Civil Affairs, Law on Resident Registration, Act on Public Records Management, Information Disclosure Act

Information Usage Enabling Environment

 Digital Signature Act, Framework Act on e-Commerce, Act on Promotion of e-Trade, Act on Internet Address Resource

Prevention of Negative Effects of Informatization

 Act on Promotion of Information and Communications Network Utilization and Information Protection, etc, Act on Personal Information Protection, Use and Protection of Credit Information Act, Protection of Communication Secrets Act, Act on the Protection of Information and Communications Infrastructure

Sustained Development of IT and Industry

 Framework Act on Telecommunications, Act on the Protection, Use, etc of Location Information, Framework Act on Electronic Commerce, Electronic Financial Transaction Act, Software Industry Promotion Act, e-Learning Industry Development Act, Framework Act on the Promotion of Cultural Industries

	2002	2005	2010	2011
Budget	12,155	20,272	22,203	21,948
Fund	7,053	8,780	10,892	11,075
Total	19,208	29,052	33,095	33,023
		1		Unit: KRW 100 million)

 Built early e-Government foundation form government budget and the Information and Telecommunication Promotion Fund

 Around 10 years of continued investment into informatization (1% of State Finance Budget)



 The ministry in charge of e-Government (MOPAS) set aside a separate budget for horizontal projects involving multiple ministries (prevent duplicative investment and effectively carry out horizontal projects)



6. Major Outcomes

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	Before		After
Services to the People			
 Customs Clearance Service (export clearance) 	 1+days 		• 2-min
 Patent Service (examination period) 	 36 month(1997) 		 9.8 month(2006)
Efficient Public Administration			
 e-Procurement (No. of contract per employee) 	• 179(1997)	7	• 890(2008)
e-Document distribution	• 78.1%(2002)	/	• 100%(2010)
International Recognition			
UN e-Government development index	• 15 rank(2001)		 1 rank(2010 & 2012)
UN Public Service Awards	• 0		 5 winner(2003, 2007, 2011)

7. Levels of e-Government

Overview of Korea's e-Government



8. Success Factors



Customer Oriented e-Government Services

 e-Government initiatives with the most potential to impact everyday lives of citizens such as resident registration, vehicle, customs clearance, employoment, statistics management, etc... were given first priority, which became the foundation for e-Government

* Korea's e-Customs, e-Procurement, and e-Patent solutions grew to become globally recognized brand products

- Appropriate Institutions for Each Phase of e-Gove Implementation
- In order to sustain e-government implementation, appropriate laws were enacted during each phase ensuring a positive enabling environmtn for e-Government

* Act on Expansion of Dissemination and Promotion of Utilization of Information System (1986), Framework Act on Informatization Promotion(1996), Digital Signature Act(1999), e-Government Act(2001), Act on Shared Utilization of Public Adminstration Information(2010), etc.

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Sustained Investment in e-Government Budget

- 1% of the national budget was invested into e-Government construction every year
- Created and utilized the Information and Telecommunication Promotion Fund to build early e-Government

* Appropriated 10% of the informatization budget for e-Government support projects by MOPAS in order to effectively implement multi-ministry horizontal projects (2004)

8. Success Factors

Overview of Korea's e-Government



Government Innovation and Decentralization (2003), Presidential Committee on Government Information Strategy (2009)

I. Best Practices II. Best Practices



1. Governmental IDC

Separately managed information systems are consolidated by establishing NCIA

Information systems of government agencies integrated and managed together



Seamless & Flawless Operation Achieved

- Stable integrated IT management for 24 / 7
- Monthly system failure time : 67min ► 5.4 sec.

IT Management Improved

- 67% of employees licensed for ITIL (IT Infra. Lib.)
- Number of systems managed per person : 1.8 ► 13



Security Environment Consolidated

- 8-layer protection / 4-step analysis against intrusion
- Cyber attack / intrusion detection system equipped
- Dual system for natural disaster relief

2. E-Procurement : KONEPS

Bidding procedures are now processed online in a one-stop process

In 2009, over 70% of Korea's total public procurement (122 billion USD) was conducted through KONEPS * Users: 191,000 businesses and 41,000 agencies



Enhanced Efficiency

- Information on all public biddings
- One-time registration for bidding for all agencies and bidding documents
- Saves USD8.1B worth of transaction costs

Enhanced Transparency

- Bidding and contract information open
- Real-time checking of procurement
- Reduced face-to-face meeting by work procedure automation

3. Online Civil Service (G4C)

• Number of documents and visits have decreased through online civil services

Civil information inquiry, petition & application, document inquiry and issuance, etc.



Civil information inquiry and application

- Online information services for up to 4,969 inquiries
- Online application statistics :

410 inquiries(2005) ► 3,020 inquiries(2010)

※ Online business registration, tax payment and its certificates, factory registration, etc.

Online document inquiry and issuance

- Issuance statistics :
 - 8 inquiries(2005) ► 1,208 inquiries(2010)
 - * Awarded the 2011 UNPSA
 - Improving transparency, accountability and responsiveness in the public service

4. Information Network Villages

IT infrastructure established and IT education provided to rural regions

363 e-villages established, creating IT friendly environment in rural regions



IT Infrastructure Established

II. Best Practices

- High speed internet subscription rate : 9.1% ► 66.5%
- 6,297 PCs provided to schools, local governments, public agencies, information network villages
- PC penetration rate : 37.3% ► 72.1%

Online Commerce Vitalized

- Selling local specialties through online : \$3M('06) ► \$20M('10)
- Local specific contents, web portal, shopping, and community services provided
 - * Awarded the 2011 UNPSA
 - Fostering participation in public policy-making decisions through innovative mechanisms



Achieving the World's Best e-Government



I. Best Practices II. Best Practices II. Towards Smart Government



1. Vision Framework

Towalds Smart Government





3. Smart Government in 2015



E-Gov't is Strategic Tool for Government Innovation

Be keen and smart on socio-technical public sector reform and service innovation
Integrate ICT and e-Gov't into the centerfold of PA innovation & reform
Invest capable resources enough under Strategic National Plan in a whole view
Solve e-Gov't risks(Tech/Law & policy/Org. Culture/Funding/BPR/M&M/Human...)
Roll out Citizen Centric e-Government & Collaboration Model with private sector
Overcome barrier context w/ stronger leadership in one body of State partnership
Localize Global Standards & Best Practices on structured develop methodology
Adopt Best Of Breed future trend technology into designing of e-Gov't (Pan Gov. ITA/EA, Cloud computing, Web 3.0, Big data, Mobile centric, Context...)

Utilize ICT sector as Powerhouse for Economic Growth

- Believe Digital modernization of PA will expedite Economic Development
- Aggressively pursue transformation into future Knowledge Economy Powerhouse
- Focus on the technology product R & D led by development of HR & ICT industry
- Make ICT industry as one of strong drivers for future Economic Growth

Thank you

