

e-Government development in the Kyrgyz Republic

For Sub-regional Workshop on Strengthening ICT Policies and Applications to Achieve MDGs and WSIS Goals in South Asia and Central Asia

By
Akylbek Aidraliev, the Head of the e-Government Department at the Primer-Minister Office (Government Office)
of the Kyrgyz Republic

1. Kyrgyz Republic at a glance

The Kyrgyz Republic is located in Central Asia, bordered by Kazakhstan to the north, Uzbekistan to the west, Tajikistan to the southwest and China and the Hsinchiang Uighur Autonomous Region to the southeast. More than two-thirds of Kyrgyzstan's land consists of highlands with elevations of more than 3,000m. Forest makes up only 8% of the land, with steppes, desert and half-desert regions predominating so that only 7% of the land is arable.

Table 1. Country background information

Population	5,431,747 (July 2009 est.)
GDP - per capita	\$2,200 (2008 est.)
Labor force	2.344 million (2007)
Labor force - by occupation	agriculture: 48%
	industry: 12.5%
	services: 39.5% (2005 est.)
Population below poverty line	40% (2004 est.)
Debt - external	\$3.467 billion (31 December 2008)
Internet users:	750,000 (2007)
Natural resources	abundant hydropower; significant deposits of gold and rare earth metals; locally exploitable coal, oil, and natural gas; other deposits of nepheline, mercury, bismuth, lead, and zinc
Geography - note	landlocked; entirely mountainous, dominated by the Tien Shan range; many tall peaks, glaciers, and high-altitude lakes
Literacy	<i>total population: 98.7%</i>
Government type	republic

*Source: <https://www.cia.gov/library/publications/the-world-factbook/geos/kg.html>

2. Digital Opportunity Index for Kyrgyzstan in 2007

Table 2. Calculating the DOI for the Kyrgyz Republic

	Base data	Indicator (Goalpost)	Subindex	Weighted
Opportunity				0,72 (0,55 in 2005r.)
Percentage of population covered by mobile cellular telephony	25,3 (July 2007)	25,3 (100)	0,25	0,08

Mobile cellular tariffs as a percentage of per capita income	\$10 for 100 minutes	4,03 (0.16)	0,96	0,32
Internet access tariffs as a percentage of per capita income	\$10 for 20 hours per month	4,03 (0.20)	0,96	0,32
Infrastructure				0,13 (0,09 in 2005)
Proportion of households with a fixed line telephone	258,000	17,6 (100)	0,18	0,05
Mobile cellular subscribers per 100 inhabitants	25	25 (100)	0,25	0,05
Proportion of households with Internet access at home	About 50,000	4 (100)	0,04	0,01
Number of mobile telephone Internet subscribers	2,000	0,04 (100)	0	0
Proportion of households with a computer	about 100,000	8 (100)	0,08	0,02
Utilization				0,04 (0,01 in 2005)
Proportion of individuals that used the Internet	500,000	10 (100)	0,1	0,03
Ratio of Broadband Internet subscribers to Internet subscribers	20,000	4 (100)	0,04	0,01
Ratio of Broadband mobile subscribers to mobile Internet subscribers	0	0	0	0
DIGITAL OPPORTUNITY INDEX				0,3 (0,22 in 2005)

3. National ICT Institutional Framework

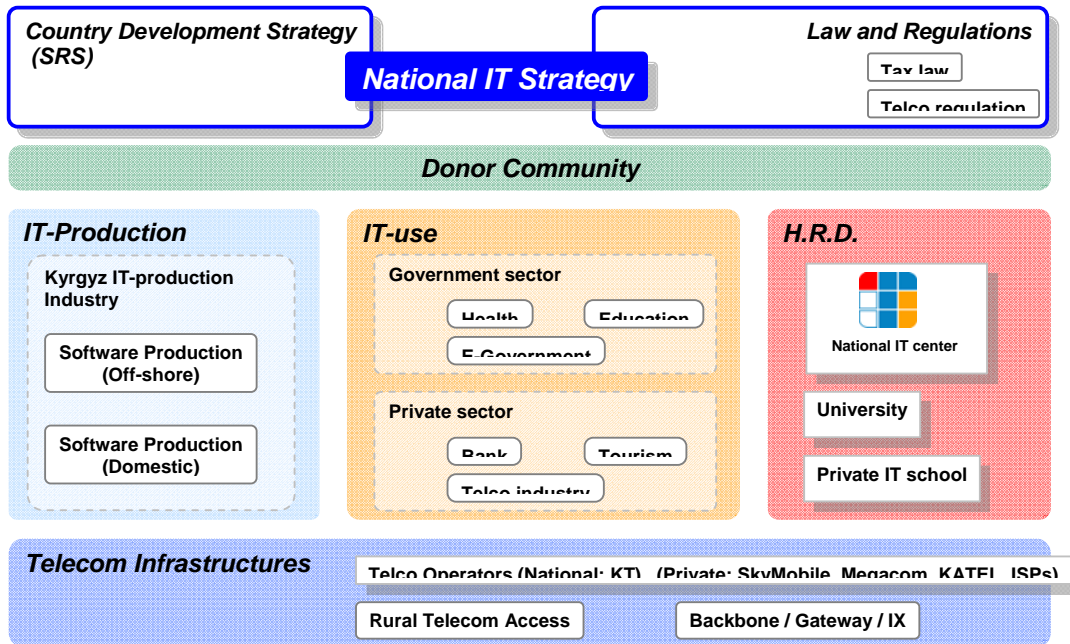


Figure 1. Whole view of the National ICT Strategy (By Orita Tomonori, JICA expert)

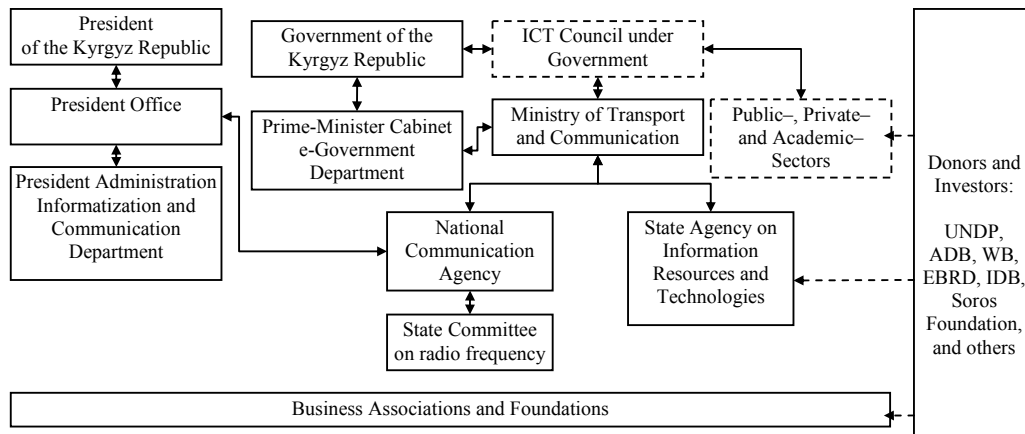


Figure 2. ICT Regulation and Management Chart of the Kyrgyz Republic

4. e-Government projects in the Kyrgyz Republic (according National ICT Strategy)

a. Completed e-Government projects

During the implementation of e-Government part of the National ICT Strategy the following projects were executed:

- requirement study of state government agencies, local communities and business organizations on IT usage;
- concept of system development on providing electronic services to population by state agencies;

- readiness analysis on providing electronic services in the field of public health, social maintenance and protection, development of government web portal;
- development of public Internet center (PIC) network in regional cities and towns (95 PICs were created).

b. On-going e-Government projects

Currently the following projects are executed:

- To provide budget transparency there is project on automation of the Treasure Department of the Ministry Finance of the Kyrgyz Republic;
- Automation of the State Registry of the population (including the ID document project);
- e-report (on-line) to fiscal book-keeping Public Offices (Tax, National Statistics, Social Insurance);
- e-Doc flow in Public Offices.

c. Not executed e-Government projects

- Tax and Customs Automation (reporting system – online and offline);
- Development of information system “Business – product - market” with Agriculture priority;
- Electronic tendering system for government and state procurement;
- Open source software for state and government agencies.

5. Human capacity building program required to implement e-Government projects as well as other ICT projects

In 2001 the Kyrgyz Government submitted a proposal for a technological cooperation project to Japanese government, requesting assistance in establishing an information technology center that could serve as the base for the activities outlined below.

1. Diverse training activities (In information technology, software programming, computer technology, etc.),
2. Distance learning, and
3. Establishment of a data base system that would consolidate and manage information from fields such as industry, the distribution market and education.

In response to this request, the Japanese government conducted its “Project Formulation Study in IT Sector” in July 2002 to assess Kyrgyzstan’s current conditions, trends and needs in the IT field. As a result of this project formation study, the request was accepted in May 2003, and in 2004 the National Information Technology Center has been created with assistance of the Japanese International Cooperation Agency (JICA) during implementation of Kyrgyz-Japanese project «IT Human Resources Development in the Kyrgyz Republic (National IT Center)». Primary activity of the Center (2004-2007) was concentrated on educational activity in the field of IT technologies: System Analysis; Project Management; Database (MS SQL, Oracle); Software Development; Network Technology, Operating Systems (Linux/Unix, Windows).

Currently National IT Center (<http://it.kg>) holds the following statuses: the Regional Cisco Academy, Oracle Academy, Pearson Vue Authorized Center, TOEFL (iBT) and TOEIC Official Testing Center. Also there were signed 2 (two) MoU with

Electronic Governance Center of International Institute on Software Technologies of the UN University (in 2008) and with UN Asian and Pacific Training Centre for ICT for Development (in 2009).

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_8209

