

Development of ICT in the Republic of Tajikistan

Parviz Norov
Ministry of Economic Development and Trade
Republic of Tajikistan

Documents in the field of ICT

- Strategy “ICT for development of the Republic of Tajikistan” adopted by Decree of the President of the Republic of Tajikistan № 1174 from 5th of November 2003.
- “Development and Introduction of ICT in the Republic of Tajikistan” adopted by Decision of the Government of the Republic of Tajikistan № 468 from 3rd of December 2004.
- Program on “Application and development of an information technologies in the Tadjik language” adopted by Decree of the President of the Republic of Tajikistan № 1707 from 27th of February 2006.
- «The Program of maintenance of information safety of the Republic of Tajikistan».

The purpose of these documents are:

- working out measures, directed to arrangement of conditions and forming mechanism's which providing assistance on forming information society in the Republic of Tajikistan
- development and updating various fields of activities (education, culture, health, transport, agriculture, public life, social protection and others) in the Republic of Tajikistan on the basis of wide use of ICT
- poverty reductions
- creation of number of new workplaces
- increase of efficiency of work on the basis of using of ICT.

Council on ICT under the Government of the Republic of Tajikistan

Coordination and control

Introduction of new technologies

- communication network has been extended
- quantity of communication operators increased in two times
- the share of the traditional sector, in particular the fixed telephony becomes less
- higher becomes the share of hi-tech and high-productive services
- modernization of the majority of telephone network fully completed
- currently licenses for various standards of cellular communication have been distributed - 17 (GSM, CDMA 20001X, CDMA450, AMPS, 3G-UMTS)
- at present there are 72 subjects who are engaged in the field of communication activity in Tajikistan

Introduction of new technologies

- the number of cellular subscribers on January 1, 2009 made 2 231 049
- licenses has been granted to five companies on the introduction of NGN
- currently, operators of 3G-UMTS networks rolled out their technological platform based on network generation 2 (2G-GSM) are:
 - CJSC «TT-Mobile» (MLT-Mobile lines of Tajikistan (2004)
 - CJSC "Tacom" (2004, Brand of Beeline)
 - CJSC "Indigo Tajikistan" (2005)
 - CJSC Babilon-M "(2006)
 - JV "Somonkom" (2006)
- and the networks created by the multiple access CDMA 2000 1X, CDMA 2000 1X-WLL:
 - CJSC "TK Mobile" (2004)
 - CJSC "M-Teco" (2004)
 - LLC "Telecom Inc." (2005)
 - JSC "Tajiktelecom" (2005)
 - ATK Telecom Technology "(2006)

INTERNET

- 19 Internet providers in Tajikistan
- Two of them provide access to the Internet for the latest technology of WiMax
- also access services providing by 4 mobile operators, with technology of GPRS and 3G, and 2 operators in 3.5G
- there are 126 points of multiple accesses of Internet in Tajikistan
- recorded at least five thousand domain names of www....tj
- working and providing any information about 100 of them
- the number of active Internet users in Tajikistan are more than 441,469
- the number of users of mobile Internet services to more than 1 million
- the density of Web-sites in the Internet makes 0.03 on 100 inhabitants of the Republic
- estimated number of Internet users in the country in 10-12% of the population

Computerization of secondary schools

- Decree of the President of the Republic of Tajikistan developed a program of computerization of secondary schools of the country
- from the expense fund of the President of the Republic of Tajikistan is computerized one class in 16 schools in provincial areas of the country
- the main problem at this moment for these classes is high qualified specialists
- there are more than 100 thousand personal computers, i.e. 1.4 computers on 100 inhabitants of the Republic

Events for ICT development

- at the national television organized a special program's on computer education
- Department of Information and Analysis of the Executive Office of the President of the Republic of Tajikistan together with the Internews Tajikistan with the financial support of the Tajik Branch of Open Society Institute and UNDP in four geographically distant regions of the country held a roundtable discussion on "Information and communication technologies as a tool for development" and national conference on "ICT as a tool for development."

Data privacy and cyber-security in the Republic of Tajikistan

- «The program of maintenance of information safety (security) of Republic Tajikistan»
- «About the state support of formation, use and protection of national information resources of the Republic of Tajikistan»
- «About information protection»

Difficulties in implementing ICT development

- the problem consists only in upgrading of existing system and connection to a global information infrastructure of the remote areas and republic settlements
- the energy crisis, escalating in the autumn-winter period, complicating the implementation of ICT projects
- Lack of coordination among donors in support of ICT projects
- weak implementation of ICT in government bodies
- low levels of knowledge of pupils/students in secondary schools and universities of the country
- lack of qualified specialists for the implementation of ICT projects

THANK YOU VERY MUCH!

Parviz Norov
Ministry of Economic Development and Trade
Republic of Tajikistan

medt.tj@inbox.ru