



## NEW OPPORTUNITIES OF IMPLEMENTATION OF ICT IN THE REPUBLIC OF UZBEKISTAN

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### Abstract

*In article the role and value of information and communication technologies in Uzbekistan, as engine of all economy, investments promoting attraction to the country, to creation of new workplaces, introduction of progressive technologies in production and management, that is finally – to the stable economic growth and increase of a standard of living are researched. Questions of formation and development of National information system which main objectives is development of telecommunication technologies, networks and infrastructure of communication, creation of information systems of automation of activity of government bodies and the centralized databases in the republic are also considered.*

**Keywords:** *information and communication technologies (ICT), legislative base of ICT, National information system*

Today around the world awareness of those advantages which brings with itself by development and distribution of the information and communication technologies (ICT) grows. Their revolutionary influence concerns activity of government institutions and institutes of civil society, economic and social spheres, science and education, culture and a way of life of people. They give to people opportunity of wide use of the potential and serve for achievement of the complementary purposes of ensuring sustained economic growth, increase of welfare, strengthening of democracy, the peace and stability.

Uzbekistan doesn't stay away from these processes, takes more and more active part in formation of global information society. Strategy of social and economic development of Uzbekistan in the long-term plan is also focused on the movement to information society, creation and implementation of prerequisites and conditions of its formation. Such strategy allows Uzbekistan to be integrated into world economic space as the equal partner.

Development and broad application of the information communication technologies (ICT) in the last decades became a global tendency of world progress. In the modern dynamically developing world ICT play a role of the engine of all economy, promotes attraction of investments to the country, creates of new workplaces, applications of progressive technologies in production and management that is finally brings to the stable economic growth and increase of a standard of living. In the conditions of the going deep globalization ICT become the prevailing communication tool which sharply reducing transaction expenses at exchange of information and commission of commercial transactions between participants of the market.

The large-scale reforms which are carried out in our country in all spheres of life, including in the field of using information and communication technologies give powerful results. Among hi-tech services in recent years most intensively developing communication and informatizations services which for the last five years increased by 3, 3 times, and for financial year for 24,5% .

Realizing a special and important role of ICT in economy and society, in 2013 the Complex program of development

of National information and communication system of the Republic of Uzbekistan for 2013-2020 was accepted. The projects realized within this program allowed to finish in 2014 transfer of all automatic telephone exchanges of the republic from analog system on use of a digital signal that considerably increased the speed of use of the international information networks.

These documents clearly identified the development of computerization and information and communication technologies in the country in the near future that allows making confident steps on the formation of the national information space.

An increasing number of ministries, departments and various government organizations create their own specialized information systems, which later become part of the uniform of the National Information System (NIS).

What is the National information system, what its structure, prospects and the directions of further development?

In article 15 of the Law of the Republic of Uzbekistan "About informatization" the National information system is defined as set of information systems of government bodies, branch and territorial information systems, and also information systems of legal entities and individuals.

If we describe it in more detail, the NIS - is not just a set of information systems, it is the tool and a technological basis for creation of the information space providing effective information exchange between citizens, economic entities and public authorities, satisfaction of their social and personal needs for information products and services. The purpose of formation of National information system in Uzbekistan is creation of uniform scientific and technical policy on ensuring integration of the information systems, resources and databases used in government bodies, and also the uniform technological decision on providing interactive state services online) for implementation of "The electronic government" (e-government).

The main objectives of formation of National information system is development of telecommunication technologies, networks and infrastructure of communication, creation of information systems of automation of activity of government bodies and the centralized databases. One of



its major functions - ensuring integration of information systems of government bodies as well as individuals and legal entities, improvement of system of regulation in the sphere of ICT taking into account a condition of development of information resources, technologies and systems, including systems of ensuring information security. Today in the republic 32 complexes of information systems which include 84 different information systems, are parts of NIS. All of them have to be integrated during 2012-2014.

Today the National information system is a technological basis for realization of "The electronic government". For its stage-by-stage formation by the Decree of the President of the Republic of Uzbekistan Islam Karimov "About measures for further implementation and development of modern information and communication technologies" of March 21, 2012 years were approved "The program of further implementation and development of information and communication technologies in the Republic of Uzbekistan for 2012-2014" and "The list of information systems of bodies of the public and economic board, public authorities on the places integrated into National information system during 2012 - 2014 years". Also were approved "The program of development of telecommunication technologies, networks and infrastructure of communication in the Republic of Uzbekistan for 2013-2020" and "The list of projects and actions for creation of complexes of information systems and databases of Electronic Government system in which measures for creation and development of NIS are defined.

In the conditions of informatization of society each state organization seeks to acquire the electronic or information system. For what it becomes also what forecasts of further development of this process? It is known that during activity of any organization accumulates a lot of different information.

Today in our country, similar data in many organizations are stored in paper form, and when processing information it is necessary to lift all documents from archives and storages. It takes a lot of time and work, also happens that some documents are lost. The main objectives of informational systems are the collection, processing, storage and analysis of data and information. Implementation of information systems allows reducing considerably the volume of documents in paper form, and also significantly reduces time expenses. And their further development will help in future to create interdepartmental information systems which will be available at once to several (networks) organizations. Development of such systems will significantly reduce expenses of time for receiving and sending information between the organizations, considerably will save paper consumption, will give the opportunity to receive the government services in electronic form to citizens and legal entities.

Today the organization that wants to create their own information system must first correctly identify its purpose and basic tasks. It is necessary to study carefully process which is planned to be automated, and to specify all desirable characteristics in the specification. An important aspect is also technical features of future system.

In 2013 the State inspection of communication of the Republic of Uzbekistan was reorganized into the State Inspectorate for Supervision of Communications, Information and communication technologies, in this regard additional tasks were assigned to it - implementation of the state supervision of efficiency of automation of working and administrative processes, implementation and usage of the integrated information systems, interdepartmental networks of transfer and data exchange, integration of the state information resources, including providing interactive state services. According to the assigned tasks inspection in accordance with the established procedure carries out control, monitoring and studying of processes of implementation and development of information and communication technologies in bodies of the public and economic board, public authorities, and also at the enterprises and in the organizations of the sphere of communication, informatization and telecommunication technologies. Besides, carries out the analysis and an assessment of a condition of automation of working and administrative processes, implementations and usage of the integrated information systems, interdepartmental networks of transfer and data exchange, integration of the state information resources.

At the end it is possible to draw conclusions that today in the Republic of Uzbekistan the National information system is actively developing, the object and purpose of which is the development of telecommunication technologies, networks and infrastructure of communication, creation of information systems of automation of activity of government bodies and the centralized databases, and also ensuring integration of information systems of government bodies, legal entities and individuals, improvement of system of regulation in the sphere of ICT taking into account a condition of development of information resources, technologies and systems, including systems of information security.

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