DEVELOPMENT OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN KAZAKHSTAN

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MINISTRY OF COMMUNICATION AND INFORMATION is a state body responsible for development and implementation of branch Program

In order to implement integrated state policy in ICT and state management of information-communication infrastructure there was established joint stock company "National ICT Holding Zerde" in 2008
PROGRAM ON INFORMATION AND COMMUNICATION TECHNOLOGIES DEVELOPMENT IN THE REPUBLIC OF KAZAKHSTAN FOR 2010-2014

Basis for development

State Program on accelerated industrial innovative development of Kazakhstan for 2010-2014
Main purpose of ICT Development Program

Providing conditions and mechanisms for ICT development in Kazakhstan

Purposes of ICT Development Program

- Transition of the Republic of Kazakhstan to information society and innovative economy
- Formation of competitive, export oriented national sector of ICT
ADVANTAGES

- High competition in telecommunication market
- Implementation of large projects in telecommunication infrastructure
- Functioning infrastructure of eGovernment
- Availability of Special Economic Zones (SEZ) “Information Technologies Park “Alatau” (SEZ “ITP (Information Technological Parks” “Alatau”)) as development centers
SWOT analysis of ICT

DISADVANTAGES

- Delay in providing communication network based on 3G and 4G
- Outdated broadcast infrastructure
- Imperfection of Kazakhstani content in Internet
- Lack of provided electronic services
- High dependence of import on ICT
- Exhaustion of main funds of postal infrastructure
- Lack of successful enterprises in ICT equipment production
SWOT analysis of ICT

OPPORTUNITIES

- High demand for broadband Internet access
- Demand for equipment due to transaction to digital broadcasting
- Internet as a tool of small and medium business and innovation development
- High demand for ICT services and ICT equipment within implementation of State Program on accelerated industrial innovative development of Kazakhstan
- Expansion of markets within the Customs Union for domestic manufacturers of equipment, software and IT-services
- Development of postal and logistics infrastructure as a part of e-commerce
- High demand for ICT specialists
Discrepancy between regulatory support and technical regulation of ICT industry
Discrepancy between education level at universities and colleges and demands of the industry
Decrease of local content in software development and IT services
In order to achieve targets there should be undertaken following measures:

- modernization and development of info communication infrastructure;
- development of digital television and radio broadcasting;
- development of Kazakhstani section of Internet;
- development of software and information services;
- development of domestic production of high-tech equipment;
- development of education in info communication;
- development of electronic services and eGovernment
<table>
<thead>
<tr>
<th>INDICATORS</th>
<th>2009</th>
<th>2014</th>
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<tbody>
<tr>
<td>Share of ICT in GDP</td>
<td>3,3%</td>
<td>3,8%</td>
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<tr>
<td>Level of digitalization of local telecommunications networks city (rural area)</td>
<td>88 % (78%)</td>
<td>100%</td>
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<tr>
<td>Broadband Internet recipients’ density</td>
<td>10,1 for 100 people</td>
<td>22 for 100 people</td>
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<tr>
<td>Mobile phone recipients’ density</td>
<td>95 for 100 people</td>
<td>111 for 100 people</td>
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<tr>
<td>Digital TV coverage in Kazakhstan</td>
<td>0%</td>
<td>95%</td>
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<tr>
<td>Numbers of computers</td>
<td>14 for 100 people</td>
<td>25 for 100 people</td>
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<tr>
<td>Share of IT-services in IT-market</td>
<td>14%</td>
<td>30%</td>
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<tr>
<td>Share of Kazakhstani content in overall IT-market</td>
<td>7%</td>
<td>Not less than 32%</td>
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<tr>
<td>Share of Kazakhstani content in IT-services</td>
<td>30%</td>
<td>80%</td>
</tr>
<tr>
<td>Transformation of socially voluble state services in electronic forms</td>
<td>7%</td>
<td>Not less than 50%</td>
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Thank you!