ICT and Information security in Uzbekistan

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Uzbekistan consists of 12 provinces and Autonomous Republic of Karakalpakstan.

Location: center of Central Asia.

Access to sea: Country is encircled by land.

Note: border passes through Aral Sea (420 km. of seaside of Aral sea).

Neighbor countries: Afghanistan, Kazakhstan, Kirgizstan, Tajikistan, and Turkmenistan.

Area:
total – 447,400 sq. km.;
land – 425,400 sq. km.;
water – 22,000 sq. km.

Population - more than 27 million.
Telecommunication and IT Market of Uzbekistan

The followings are represented in ICT market of Uzbekistan:

There are 18 enterprises, including 3 joint stock companies

**Joint-stock companies:**
- "Uzbektelecom"
- "Uzbekiston Pochtasi"
- "Matbuot Tarkatuvchi"

**Cellular operators:**
- Uzdunrobota (MTS trade mark) – GSM
- Unitel (Beeline trade mark) – GSM
- Coscom (Ucell trade mark) – GSM
- Rubicon Wireless Comm. – CDMA
- Uzbektelecom Mobile – CDMA 450

More than 100 operators & internet service and data transmission providers

More than 100 companies are engaged in software market

Legislation base of ICT and information security area (1)

- "On principles and guarantees of information freedom"
- "On communications"
- "On telecommunications"
- "On Postal Communications"
- "On protection of state secrets"
- "On informatization"
- "On electronic digital signature"
- "On electronic document management"
- "On making amendments and additions to some legislative acts of the Republic of Uzbekistan due to increased responsibility for committing illegal actions in the field of informatization and data transfer"
Legislation base of ICT and information security area (2)

Chapter XX-1. Crimes in the sphere of information technologies

Article 278-1. Violation of the rules of information
Article 278-2. Illegal (unauthorized) access to computer information
Article 278-3. Manufacture for sale or sale and distribution of special funds for illegal (unauthorized) access to a computer system
Article 278-4. Modification of computer information
Article 278-5. Computer sabotage
Article 278-6. Creation, use or distribute malware

Computer emergency response team (UZ-CERT)

www.cert.uz
## Standards in information security

- ISO/IEC 15408-1 Security techniques evaluation criteria for IT security, all three parts
- ISO/IEC 13335-1 Concept and models for information and communications technology security management.
- ISO/IEC 27001 Information security management systems. Requirements.

| • O’z DST 1092:2009 Signature and verification processes of digital signature. |
| • O’z DST 1105:2009 Algorithm of data encryption. |
| • O’z DST 1106:2009 Hashing function. |
| • O’z DST 1109:2006 Terms and definitions |

## Products of information security

<table>
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<tr>
<th>HIMFILE</th>
<th>E-HUJJAT</th>
<th>E-XAT</th>
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<tr>
<td>HIMFILE — secured file storage system</td>
<td>E-HUJJAT — electronic document management system</td>
<td>E-XAT — secured e-mail system</td>
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Further plans in the field of information security

First, creation and implementation of domestic highly effective means, methods and systems of information protection in national information and telecommunications systems;

Second, development and practical implementation of effective tools, methods and systems of national information resources’ protection from destruction, and unauthorized access, reliability and security enhancement of their storage;

Third, development and planned realization of special organizational, procedural-institutional and pedagogic measures to prevent and neutralize information threats in the spiritual sphere of society. formation of public consciousness in the direction of counteracting these threats.

Thank you for attention!

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