

# ICT and Information security in Uzbekistan

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## UZBEKISTAN



**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:

Uzdunrobita (MTS trade mark) – GSM

Rubicon Wireless Comm. – CDMA 800

Unitel (Beeline trade mark) – GSM

Uzbektelecom Mobile – CDMA 450

Coscom (Ucell trade mark) – GSM

More than **740** 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  
Статья 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](http://www.cert.uz)

The screenshot displays the UZ-CERT website interface. At the top, there is a header with the UZ-CERT logo and navigation links: "Report an incident", "About us", "Incidents", "Services", and "News". Below the header, the "Resources" section lists various links: UZ-CERTified, SecureSurf, UZ-CERT Informer, SiteAdvisor, Free software, Проверка файлов на вирусы, Backup service (marked as new), Information security news, Legislation, Articles, FAQ, uForum, and Useful links. The "Public interest" section includes links to "Лента УГРОЗЫ НА САЙТАХ.UZ" and "САЙТАХ.UZ". The main content area features the "UZ-CERTified" program, which includes a logo, the text "UZ-CERTIFIED SECURE YOUR SITE", and a search bar for the UZ-CERTified database for participants. A paragraph below the search bar explains the purpose of the program: to increase the information security of users of the national segment of the Internet network by eliminating threats and dangers during web surfing. The program is aimed at owners of resources in the .UZ domain and located on the hosting areas of Uzbekistan, as well as web developers, hosting, and Internet providers. Registration for participation is provided only for the owners of resources, while remaining users can use the program.

## Standards in information security

- ISO/IEC 15408-1 Security techniques evaluation criteria for IT security, all three parts
- ISO/IEC 27002 Code of practice for information security management.
- 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

HIMFILE



E-HUJJAT



E-XAT



HIMFILE — secured file storage system

E-XAT — secured e-mail system

E-HUJJAT — electronic document management system

**UNICON.UZ**  
ПОЛЕЗНЫЕ РЕШЕНИЯ!

ЦЕНТР НАУЧНО-ТЕХНИЧЕСКИХ  
И МАРКЕТИНГОВЫХ  
ИССЛЕДОВАНИЙ

## 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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