INFORMATION TECHNOLOGY ORGANIZATION
Ministry of Communication and Information Technology

Iran

ABOUT US

The Information Technology Organization (ITO) was established in 1993 as the executive entity for data projects and for data communication affairs in the Telecommunication Company of Iran.

History

- **2005:** Data Communication Company renamed Information Technology Company.

- **2007:** The Information Technology Company separates from the Telecommunication Company of Iran and goes under direct control of the Ministry of Communication and Information Technology.

- **2011:** The Information Technology Company changes its name to Information Technology Organization.

- **2012:** Cabinet amends and notifies the Articles of Association of the ITO, in order to facilitate the assigned sovereign duties of the Organization.

WHAT WE DO

As the main reference for IT development management in the country, the ITO is responsible for making policy decisions, strategically managing, supervising and developing Iran's IT in a safe, secure and sustainable way in order to protect national interests and security, public welfare and promote sustainable and thorough development.

The ITO aims to:
- Build effective professional management capacities to develop cohesiveness, leadership, directing skills and protect IT of the country.
- Execute orders, laws, decisions, national and sovereign regulations on IT.
- Upgrade and preserve the national and religious culture, family safety, private life and citizens' rights based on IT.
- Effectively preserve the safety and sustainability of the national infrastructures and public services relying on IT.
- Safeguard national and social interests and security in the IT sector.
- Provide equal opportunities for all society members in the IT sector.

WHAT WE DO (continued)

ITO PROJECTS

IT Development Department	Objectives
The Research Project for Standardization and Quality Control of IT Products	■ To review the status quo of the national standards in the field of IT; ■ To evaluate the status quo of testing laboratories for software and hardware products in the field of IT; ■ To review the status quo of the technical regulations for IT products; ■ To review the existing mechanisms for controlling the quality of IT products importing to the country ; ■ To study on high-level documents relating to the standardization and quality control of IT products; ■ To do comparative studies on the selected national and international models of standardization and quality control of IT products.
The Project for Developing the Basic Documentation the IT Field	■ To translate use and gain scientific and practical experience, localize and develop IT standards; ■ To develop the standards, instructions, regulations, and guidelines for creating the suitable structures, and to observe at least the minimum standards for the use of IT in the country; ■ To develop the IT culture in the country through holding conferences, presenting essays and articles and printing and publishing books on IT standards, instructions, regulations, and guidelines.
Advisory Services for the Study Groups Leadership	■ To manage security study groups in the country; ■ To provide the grounds for participation of the country in the international arena in order to cooperate with reliable national, regional and international bodies, such as ITU and APT; and to answer questions related to cooperation with international assemblies; ■ To manage the Group 17 in the International Telecommunication Union; ■ To support the delegation of authority for the ATP's Security Study Group to Iran.

WHAT WE DO

ITO PROJECTS

Current Projects of the Network Development and Management Department	Description
Iran Electronic Services Portal www.iran.ir	■ The Iran Electronic Services Portal is one of the main parts of the e-government service launched in two languages (Persian and English) in 2006. ■ The portal has recently restructured the Iran Electronic Service Portal in order to achieve development objectives and address the increasing use of IT in the country, taking into account the needs and demands of the users and aiming to make it user-friendly. ■ One of the most functional tools in the new portal is the search engine, which helps users to find websites or electronic services among the vast amount of information. ■ The portal also offers an electronic service package that consists of 1700 electronic services in 18 different categories, and it hosts a rich collection of Persian directories that provide the users with 17000 websites in 3 categories. ■ Other features of the portal are email services and news.
The National Information Network	■ The National Information Network is an extended, multilayer cloud-based network that has been designed as a distributed, interrelated and extendable network. ■ This network consists of high-speed public and dedicated communication networks, and government and non-government secure data centers that are responsible for providing the needed infrastructure for saving, sharing and processing the information, electronic interactions and exchanges between the government apparatus and private sector's agencies. ■ The network aims to develop a unified information system for collecting information and providing services. ■ It provides the government apparatus, private institutes and people with information systems and electronic services through high-speed internet.

WHAT WE DO

ITO PROJECTS

Current Projects of the Network Development and Management Department	Description
Establishment of a Mediation Center for Issuing the Electronic Certificates www.itcca.ir www.mocca.ir www.caitc.ir.	■ The Network Development and Management Department of ITO decided to establish the Mediation Center for issuing electronic certificates. ■ This project covers services needed for all of the users who may enter the trade exchange environment in the virtual world. ■ Some of the services considered in this project are as follows: information saving and retrieving equipments, advanced servers, developed security equipments, control panels for remote service management. ■ This project, having the ability to issue more than 10,000 electronic certificates, has started to issue electronic certificates for the Ministry employees.
National Web Browser	■ Information retrieving systems, especially web browsers, are the most important tools for getting access to the web information. Although many powerful search tools exist, the increasing number of Persian websites and portals and Persian language documents call for the development of an independent national browser. ■ This project has been designed to address this issue and to respond to the needs of Iranian web users.
GAC National Committee Sessions	■ As part of Government Advisory Committee, the Islamic Republic of Iran participates to express different point of views on internet policies and regulations, and to gather and share the information and experiences of different countries in domain names management.
Project for Migrating from IPv4 to IPv6	■ At present, the internet works based on IPv4 but due to the increasing number of Internet users, the IPv4 is facing challenges in responding to the users' growing needs. This project seeks to address this issue by migrating from IPv4 to IPv6.

2013

WHAT WE DO

ITO PROJECTS

Current Projects of the Network Development and Management Department	Description
Domestic Operating System Design	Although there is availability of hardware infrastructure and communicative grounds for electronic services in the country, there is the need to further develop software, in particular, in regards to operating systems as they are the main software infrastructure for all IT systems and its specifications and functionality directly affect the whole system's functions. To address this, the ITO is working on designing a domestic operating system. **Objectives:** ■ To increase the country's ability in offering technical IT services, especially in the software area, to make the country independent from international companies for operating systems and supporting services for servers; ■ To provide organizational and structural requirements besides technical services in order to establish a research, development and maintenance center for the operating system; ■ To create a technical support center for the organizations that use the products; ■ To develop strategies for training the needed workforce, and to develop the supporting regulations. Some of the main services offered by the national operating system are as follows: ■ Increased national security possibilities; ■ Assessment of security conditions; ■ Problem-solving and security services update; ■ Development of open softwares; and ■ Provision of simple communication between users and server's operating system.

WHAT WE DO

ITO PROJECTS

Current Projects of the Network Development and Management Department	Description
The System for Country's Internet Users Penetration Index Management	■ Project for determining an internet penetration index formula in order to provide an exact calculation mechanism for the Internet Users Penetration Index. ■ The objective of the project is to determine an internet penetration index and to correct the national and international statistics.
Provincial Data Center Development	The objectives of this project are: ■ To create and launch the Provincial Data Center; ■ To provide e-government services; ■ To omit the traffic load and to reduce the foreign-exchange related costs; and ■ To provide a secure ground for presenting, saving and supporting the internet hosting services. Some of the services of the Provincial Data Center are as follows: ■ Web hosting based on Windows and Linux ■ Dedicated server hosting ■ Co-location server hosting ■ Mail hosting ■ E-commerce services hosting ■ Domain names services, especially for the user of web-hosting services ■ VPS registration. Based on this project, the ITO has started to develop 11 provincial data centers in Khorasan Razavi, Hamedan, Fars, Khoozestan, Kerman, Golestan, Markazi, Ghom, Booshehr, Eastern Azerbaijan, and Isfahan provinces. This network will cover the other provinces in the next phase of the project.