

S SPACE SECTOR

Regarding importance of coordination with affairs relating to space, the subject of foundation of space organization of the country and special council started in 1998. Ultimately the foundation of the aforementioned organization in responsibility and authority regulations and changing the name of Ministry of ICT occurred in 2003.

THE SECTOR SITUATION REGARDING DUODENAL CONTENTS OF 4TH DEVELOPMENT PLAN

The situation of space sector regarding the duodenal contents of 4th plan of economical, social and cultural development of country is as follows:

Rapid, continuous and economical development

- Providing updated and accurate information for efficient management decisions
- Accessible, cheap, updated and extensive information and remotely measured data
- Efficiency Increase in different sectors by applying basic and applicable services

Active interaction with global economies

- Easy and rapid international relations in order to extend commercial relations and interactions
- Entrance to worldwide market of equipment and satellite services



Improving human security and social equality

- Economical creation of communication networks in remote regions by space and satellite technologies

National security

- The instrument of continuous, accurate and synchronized supervision in order to protect environment, keeping national rights and utilizing government leadership for them and providing supportive and proved documents to present in international societies by using space technology

Improving health and quality of life

- Effective role of geographical information systems in management of sanitation and treatment, specially in identifying phase of outbreak of some diseases
- Organized distribution of medical services in rural and urban centers

Cultural development

- Facilitation in audio-visual services for rural and urban regions

Increasing the effectiveness of management of national affairs

- Decrease of the national expenses, time, and prevention of duplicate tasks and increase of the national productivity by utilizing satellite information and geographical information systems
- Providing information for optimized and cost-effective management and development of electronic government specially in remote regions



Land Promotion

- The most important resource for required information production for execution of land development plans

POSSIBILITIES, ABILITIES AND LIMITATIONS

Possibilities, abilities, and limitations of space sector are as follows:

INTERNAL POSSIBILITIES AND ABILITIES

- Inclination of technological evolution and stabilizing of position of science and space technology
- Existence of a station which receives satellite images
- Existence of possibilities and hardware and software equipment
- Existence of research abilities and possibilities in the space field

FOREIGN POSSIBILITIES AND ABILITIES

- Existence of suitable job opportunities for professional experts
- Training of experts by universities in M.S. and Ph.D. levels
- Great need of country for satellite information in presence of wide market in this realm

INTERNAL LIMITATIONS

- Problem of attracting and maintaining the expert professional resources
- Lack of professional and space research labs with suitable improved equipment in this sector
- Recent introduction of space activities in the country and lack of access to new technology in this sector



FOREIGN LIMITATIONS

- Limited applying of space services and capabilities in executive activities and planning by customers and organizations responsible for non-governmental sector in the field of space activities
- Insufficient investment in the space sector by governmental and non-governmental sectors
- Unspecified goals, general guidelines in development of space sector

FUNCTION AND POSITION OF SECTOR IN ACHIEVEMENT OF PERSPECTIVE GOALS

- Having access to space science and technology with peaceful aims, based on country's demands

QUALITATIVE MASTER GOALS

- Increase of the level of prosperity of society through services and applications of space technology
- Having access to space science and advanced technology for meeting national requirements

MASTER GUIDELINES OF THE SECTOR

- Investment in educational, research and space studies in order to train human resources, and development simultaneous with worldwide evolution
- Expansion of regional and international cooperation in space fields in order to boost scientific level and space technology in the country
- Applying the capabilities of executive organizations and achievement of goals for execution of plans and space activities



EXECUTIVE POLICIES OF THE SECTOR

- Emphasis on applying new technologies in the domain of space technologies and extension of them in scientific and research centers of the country
- Encouragement of cooperation in investments relating to space affairs
- Execution of required activities for amendment of regulations and rules in order to attract and maintain human resources in space sector of the country
- Applying the human resources in technical, scientific and research domains
- Applying the methods of expansion, training, and encouraging in order to develop the space technology
- Providing extensive plans of space expansion of the country and defining role of the public organizations in execution of specified plans
- Directing the thesis and researches of research centers and universities in order to achieve the expansion plan, and development of space technology of the country
- Defining the role of application of space technologies in development of other sectors
- Development and equipping the professional national labs required for space activities with high priority in university labs, and research centers
- Creation of variety in supplying services according to users need
- Checking the supply and demand in meeting space needs of the country
- Supporting and amplifying information and expansion of consulting and contracting companies and scientific and specialist consultants in space affairs

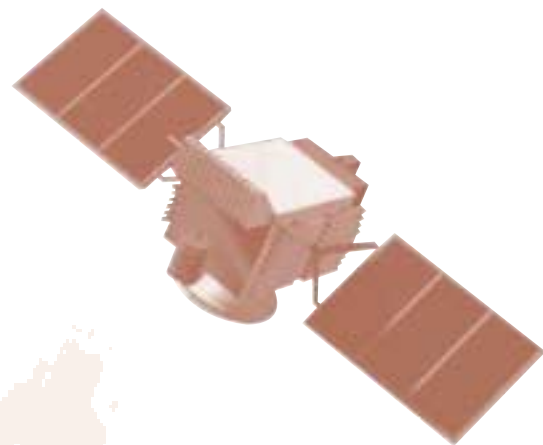


- Providing and systemizing the national standards in application and technology of space
- Design of research and operational satellites, based on scientific needs and usage of the country
- Establishment of space organization of the country and expansion of the relating technologies
- Creation and expansion of required substructures for development of space technology in country
- Making provisions and unwinding the present obstacles (relative to regulations, legal, execution) in order to enforce the incumbency affairs and also development of exclusive sector in space affairs.
- Utilizing the possibilities and international opportunities and regional resources for speeding up the execution of space technology development plans

IMPORTANT AND FUNDAMENTAL EFFORTS

- Determining the country's share for special activities in international level and maintaining optimized usage
- Design, fabrication, and launching of satellites by cooperation with countries enjoying experience and technical expertise
- Expansion and equipping of national labs according to worldwide standards
- Providing extensive plans for space development of the country
- Establishment of space organization of IRAN.





Quantitative goals

Indices	Unit	From	To
Providing a part of country s requirements to the satellite band-width by national satellites			
Increase of amount of archived information	E-Page	3000	9000
Increase of duplex communication satellite terminals	Terminal	2600	17600
Increase of number of earth stations which receive satellite information	Station	5	7
Amount of selling space services	Billion Rials	100	120

