

**The long-term dedicated program "The Intellectual
Property Development in the Republic of Tatarstan for 2013 - 2020 years"**
(Approved by the Cabinet of Ministers of the Republic of Tatarstan from 15.01.2013
#11)

1. Characteristics of the problems addressed by the program

The long-term dedicated program "The Intellectual Property Development in the Republic of Tatarstan for 2013 - 2020 years " (hereinafter - the Program) was developed in response to the Law of the Republic of Tatarstan on April 22, 2011 № 13 -LRT "On approval of the Socio-Economic Development of the Republic of Tatarstan in 2011 - 2015" and in accordance with the Resolution of the Cabinet of Ministers of the Republic of Tatarstan from 15.10.2011 № 857 " On approval of the Concept of the long-term target program "Development of intellectual property in the Republic of Tatarstan for 2012 - 2020 ."

The Government of the Republic of Tatarstan sets the task of creating a high-tech, an innovative developed, and competitive economy attractive to investors, providing a high quality of life. One of the basic and necessary conditions of innovation development is the civilized market of intellectual property rights at both the international and the national levels.

Among the countries with a long-term national intellectual property strategy and program of scientific and technological development are the United States, Japan, China, the EU, Brazil, Canada, Australia, parts of Africa, as well as Belarus, Ukraine, the Kyrgyz Republic and other States (about 30 countries).

Almost all of the national intellectual property strategy and programs for scientific and technical development reveal a positive correlation between the level of intellectual property and innovation, that makes policy in the field of intellectual property increasingly important tool for stimulating economic growth in the face of global competition.

A set of legislative and organizational measures to create favorable conditions for all economic entities, to increase investment and innovation in order to lift the economy, to improve production efficiency and accomplishment of social tasks are implemented in the Republic of Tatarstan.

The Strategy of the science and innovative activity development of the Republic of Tatarstan until 2015, approved by the Decree of the President of the Republic of Tatarstan from 17.06.2008 № UP- 293, which include long-term priorities, goals and objectives of innovation policy of the republic is going to become the basis for the formation of the Republican policy in the innovation sphere.

Adopted in 2010, the Law of the Republic of Tatarstan "On innovation activity in the Republic of Tatarstan " defines forms and methods of state regulation of innovation process, and the legal basis for the state support of business entities that perform scientific research and development work.

Every three years the Cabinet of Ministers of the Republic of Tatarstan adopts Innovation Memorandum , which defines the conceptual framework , principles and future directions of the republican form of innovation policy in the medium term. It is done in order to organize the information and methodological support and improve the efficiency of interaction between innovators in the country.

Currently, the republic has almost all the infrastructure elements of economic and scientific activity: industrial parks, business incubators, innovation and technology centers, and other subjects of the innovation infrastructure, which differ by type of activity, the nature and scope of performed functions, rendered services, and ways of innovation support.

The Academy of Sciences of the Republic of Tatarstan performs uniting the efforts of academic, university and industry research in the Republic to perform basic, applied research and innovation. Kazan Scientific Center of the Russian Academy of Sciences includes a number of academic institutions of national importance, industry institutes and universities that are working on a wide range of research - from basic to applied.

Despite the existence of the developed innovation infrastructure, legislation and active interaction with the federal development institutions there is no key part of forming the innovation economy - the market of the intellectual property, which refers not only to the sphere of circulation of intellectual property rights (where we can find as a demand as an offer of intelligent product), but also the formation and implementation of the state Science and Technology policy of the Republic of Tatarstan in the field of intellectual property management , based on international experience . The main goal of the program is to create a market for innovation, intellectual property market.

It is not possible be view the Republic of Tatarstan in isolation from regions of the Russian Federation and the federal government. The regional market of the intellectual property is not confined to a particular region; it is deeply integrated in inter-regional and international community system.

The Program is based on the results of a comprehensive evaluation of innovation potential and long-term scientific and technological development forecast of the Russian Federation and the Republic of Tatarstan.

The most important priority in the initial phase of the program is to create the legal framework of the Republic of Tatarstan within its competence, which is inextricably linked with the legislation of the Russian Federation in the field of intellectual property.

The legislation of the Russian Federation in the field of intellectual property is a multi-level system corresponding to modern international standards and regulatory relations in the field of protection and use of intellectual activity and equivalent means of identification of legal persons, goods, services and businesses (inventions, pre-production prototype, utility models, computer programs, databases, selection achievements, secrets (know-how), trademarks, works of science, literature and art, and other objects of intellectual property).

The Russian Federation is a part of international agreements that operate under the auspices of the World Intellectual Property Organization (WIPO) and the Eurasian Patent Organization (EAPO) . Russian legislation allows domestic and foreign entities to

provide reliable protection and effective use of the results of intellectual activity, to generate more revenue, competitive advantage and ensures stable and secure the presence of goods and services in the domestic and foreign markets. The process of harmonization of legislation of the Russian Federation with the rules of the WTO Agreement on Trade-Related Aspects of Intellectual Property Rights is over. Obviously, it is one of the most important international agreements.

Model laws of the states-members of the Commonwealth of Independent States on copyright and related rights, on the protection of scientific discovery, Model Code of Intellectual Property for the states-members of the Commonwealth of Independent States and other acts are adopted.

Despite the comprehensive statutory framework of the Russian Federation, there is imperfection of Russian patent law, in fact, there are no effective mechanisms of legal protection and commercial use of intellectual activity received by Russian legal entities and individuals, there are no regional strategies and programs of the Russian Federation in the sphere of intellectual property market.

Within the limits of the powers of the Republic of Tatarstan as a part of the Russian Federation in improving the legal framework for intellectual property should be focused on the following areas:

- To develop and adopt the regulations for the strategic planning, defining the state policy of the Republic of Tatarstan in the field of science and innovation, based on intellectual property, and to improve the competitiveness of the promising sectors of the economy of the Republic of Tatarstan;
- To develop the normative legal documents defining the forms and mechanisms of state support measures for innovation, the aim of which is to create incentives to increase the supply of innovation and demand from businesses, organizations and individuals;
- To develop and adopt the regulations on the development of infrastructure in the area of intellectual property and the training of specialists in the field of intellectual property;
- To develop and adopt the legislation providing tax incentives to producers of innovative products of the proceeds to the republican and local budgets;
- To conclude the contact and to develop the existing agreements and inter-regional and international cooperation of the Republic of Tatarstan in the field of intellectual property.

The infrastructure of the intellectual property in the territory of the Republic of Tatarstan is represented by the following main elements:

- federal organizational structure, working on realization of the functions of the government in the field of intellectual property in the territory of the Republic of Tatarstan (federal territorial authorities): Federal Service for Supervision of Consumer Rights Protection and Human Welfare in the Republic of Tatarstan, Tatarstan Customs (territorial body of the Federal Customs Service), territorial body of the Federal state Statistics Service of the Republic of Tatarstan, the Ministry of Interior of the Republic of

Tatarstan and the other (the Federal service for Supervision of Health , the Federal Service for Alcohol Market Regulation , etc.);

- organizational structures that implement the functions of the government of the Republic of Tatarstan in the field of innovation and intellectual property: the Ministry of Economy of the Republic of Tatarstan and the State Unitary Enterprise of the Republic of Tatarstan "Tatarstan Center of Scientific and Technical Information", which is entrusted with the functions supporting the organization of the Russian Agency for Patents and Trademarks (hereinafter - Rospatent);
- organizational structure to implement the functions of the intellectual property management at the organizational level: Intellectual Property Service Organizations;
- special institutions of the Republic of Tatarstan, ensuring the implementation of certain functions in the field of intellectual property: the institutions of justice and law enforcement systems of the Republic of Tatarstan, the National Library of the Republic of Tatarstan, scientific and technical libraries, the National Council of NGO "Society of Inventors and Innovators of the Republic of Tatarstan", patent attorneys, experts in evaluation results of intellectual activity, and others.

One of the most important elements of the innovation development of economy is the creation of intellectual property and the capitalization of research and development, reflected in the indicators of inventive activity.

Inventive activity. The Republic of Tatarstan constantly holds a leading position in the Russian Federation in the number of applications for industrial property in Rospatent and is among the regions of the Russian Federation with the annually highest number of applications to intellectual property rights.

Dynamics of filing to Rospatent from applicants from Republic of Tatarstan for industrial property (inventions, utility models, pre-production prototype, trademarks) and the rank of the regions of the Russian Federation and the Volga Federal District in 2009 - 2011 is presented in Table 1.

Table 1

Dynamics of filing to Rospatent from applicants from Republic of Tatarstan for industrial property for the period 2009 – 2011 years

Type of industrial property	2009 y.			2010 y.			2011 y.		
	Place in the rank		Quantity	Place in the rank		Quantity	Place in the rank		Quantity
	RF	VFD		RF	VF D		RF	VF D	
Inventions	5	1	660	5	1	837	4	1	790
Utility models	6	2	370	5	1	401	4	1	529
Pre-production prototype	21	7	22	6	3	53	12	5	31

Trademarks	7	1	386	7	1	503	8	1	497
------------	---	---	-----	---	---	-----	---	---	-----

The index of inventive activity in the Republic of Tatarstan and the average for the Russian Federation in 2009-2011 years is presented in Table 2.

Table 2

Comparable figures of
inventive activity in the Republic of Tatarstan and the Russian Federation
in 2009 - 2011 years

Inventive activity indicator	2009 y.	2010 y.	2011 y.
Inventive activity index in the Republic of Tatarstan	1,75	2,22	2,08
Inventive activity index in the Russian Federation	1,8	2,0	1,85

Inventions patent acquisition. In 2011, the Republic of Tatarstan received 540 patents, of which 135 are institutions of higher education, 64 are scientific organizations; 255 are enterprises; 86 are individuals.

By the number granted patents for inventions in 2011, the Republic of Tatarstan ranks 5th place among the regions of the Russian Federation.

Dynamics of patents received by entities of the Republic of Tatarstan in 2009 - 2011 years is shown in Table 3.

Table 3

Dynamics of patents received by entities of the Republic of Tatarstan
in 2009 - 2011 years

Granted patents to applicants	The number of patents granted by year (percent of total)		
	2009 y.	2010 y.	2011 y.
Total	646	602	540
Legal entities, inc.:	511 (79,1%)	476 (79,1%)	454 (84,1%)
Institutions of higher education	110	117	135
Scientific organizations	103	96	64
Enterprise, inc.:	298	263	255
Kazan	63	42	52
other cities and regions of the Republic	235	221	203

of Tatarstan			
including OJSC "Tatneft"	157	185	167
Individuals, inc.:	135 (20,9%)	126 (20,9%)	86 (15,9%)
Kazan	83	93	62
other cities and regions of the Republic of Tatarstan	52	33	24

The use of protected intellectual property. Dynamics of protected intellectual property usage in the Republic of Tatarstan and rank of regions of the Russian Federation and the Volga Federal District for the period 2009 - 2011 is presented in Table 4.

Table 4

Dynamics of protected intellectual property
in the Republic of Tatarstan in 2009 - 2011 years

Intellectual property asset	2009 y.			2010 y.			2011 y.		
	Place in the rank		Quantity	Place in the rank		Quantity	Place in the rank		Quantity
	RF	VFD		RF	VFD		RF	VFD	
Inventions	9	3	389	6	2	562	5	2	649
Utility models	4	2	201	3	1	266	2	1	343
Pre-production prototype	15	5	25	10	5	45	13	5	31
Databases	-	-	-	-	-	-	14	5	1
Computer Programs	30	9	7	16	3	29	11	3	64
Topographies of Integrated Circuits	-	-	-	-	-	-	-	-	-

Note. Trademarks and breeding achievements are not liable for statistical account number on the form of 4-HT (list).

The positive dynamics of inventive activity does not allow a to set a satisfactory state of protection of intellectual property rights of individuals and legal entities in the Republic of Tatarstan. We also cannot say that the fact of positive dynamics leads to the use of intellectual property in the formation of corporate production and distribution networks, products of many enterprises remains uncompetitive.

In this vein, it should be noted that as in the republic, and as across the country there is a poor investment budget in research and development and technological works (hereinafter – R&D) (out of the total number of R&D that have received government support, share of R&D that supplied with secure patent protection is 6.4 per cent), the share of intangible assets in the total assets of national companies is less than 3 percent, etc.

The reason for the poor performance of the scientific and technological activities in the number of cases are the problems related to the shortcomings of the planning

system of scientific and technological activities, placement and execution of the research and development, including the selection of contractors, arranging financing and monitoring of research and development, early identification of patentable results of intellectual activity, emphasizing rights on them and their commercialization .

So, the Russian Federation supports less than 50 percent of granted patents, which is a consequence of the problems as a general susceptibility of the real sector of innovation, lack of infrastructure and availability of each specific invention for commercial use.

This very situation in the field of innovation does not provide a technological breakthrough and therefore radically accelerate the economic development of the Republic of Tatarstan.

This is due to a range of problems, among which should be highlighted:

- lack of an established system of relationships of participants in research, innovation and production activities;
- lack of the reliable information about the real and potential impact of R&D performers in the current system of state order;
- lack of a clear system of R&D funding, basic science at the expense of the Republic of Tatarstan, including through the mechanism of federal programs and state funds research, receiving funds for co-financing;
- low share of the direct profit of innovation development in the gross regional product;
- lack of incentives for research activities, that leads to a lack of interest shown by entrepreneurial sector in the financing of risky and costly innovative and investment projects with long payback periods, the level of innovation activity of enterprises significantly assents to the index of other countries – the leaders in this field;
- undeveloped appraisal business in the field of innovation, inflated scientific and educational institutions assessed value of rights for intellectual activity, contributed to the authorized capital of small innovative enterprises, that lead to a shortage of real tangible assets of the company required for its activities;
- insufficient development of public-private partnership in the implementation of innovative projects (percentage of organizations receiving funding from the budget of the Russian Federation for this purpose is 0.8 per cent);
- impossibility of the public procurement system to access the innovative products in the system of public order;
- the prevalence of the fiscal component of the tax and customs regulations and administration in relation to innovative business over stimulating ;
- lack of qualified staff in the field of business innovation, including in the area of intellectual property management, inadequate institutions to support innovation (offices commercialization, technology transfer centers, etc.), the aging of scientific staff.

As we can see, in this area of activity, there are legislative, methodological, economic, financial, organizational problems. Without solving this problem the transition to an economy based on knowledge can not be realized in practice.

The program provides the solution of problems in the following areas of social and economic policy of the Republic of Tatarstan, the specific program of social and economic development of the Republic of Tatarstan for 2011 - 2015 years :

- fiscal policy – in terms of priority financing innovation and determination of the parameters and trajectory of changing of major expense budget of the Republic of Tatarstan (including co-financing tools), that are necessary for the innovation development (research, education, development institutions, business innovation support);
- tax policy – in terms of optimizing the tax burden on the underlying factors of innovative development (in particular in relashions with employees), as well as the introduction of the necessary tax exemptions;
- technical policy – in the form of a system of technical regulation incentives for technological upgrading and innovation, as well as to the removal of barriers and restrictions on the introduction of new technologies;
- competition policy and politics in the fight against corruption – in terms of minimizing the opportunities for unfair competition through the use of administrative resources, in terms of prevention and suppression of anti-competitive behavior by the businesses, dominating the markets, as well as in terms of creating a favorable business climate, including the activities of law enforcement and regulatory authorities, the judiciary, the competitiveness of the Russian jurisdiction, the general legal regulation of creating and running a business;
- policy in the field of public procurement – in terms of creating the necessary tools and procedures that enable government customers to purchase innovative products, and to stimulate the state as a whole through the creation of a public procurement of innovative products;
- foreign and foreign economic policy – in terms of a more active defense of the interests of national producers in the international market, as well as in search of overseas technology partners for Tatarstan enterprises that can provide significant assistance in the technological modernization of the Russian economy and the economy of the Republic;
- regional policy – in terms of setting a higher priority to support for innovation and investment projects that are aimed at the development of the real sector of the economy and social sphere of the Republic of Tatarstan.

For a comprehensive and systematic approach adressed to the priorities of innovation development of economy of the Republic of Tatarstan, it is necessary to consolidate the efforts of public authorities , local governments , businesses , organizations and individuals on the basis of program-dedicated method in the implementation of the program.

2 . The goal , objectives and indicators of the Program

The program is aimed at the implementation of the State Science and Technology Policy of the Republic of Tatarstan in the field of intellectual property and the development of an enabling environment for the creation of a competitive economy in the country.

The purpose of the program is to form an efficient mechanism to obtain economic benefits from science and technology, innovation and production activities, increase the competitiveness of national producers in the domestic and international markets through the effective management of intellectual property.

The main tasks of the Program are:

1. Creating the conditions for the inventions of intellectual property, ensure its protection, support and protect the rights to it.
- 2 . Formation of the mechanism involved in the economic use of rights for the intellectual activity results.

Detailed description of the predicted values of the indicators in the context of the goals and tasks of the Program with the offer of periodic monitoring and information source for the indicator values are given in Annex 1 to the number of applications (see website www.tcnti.ru).

3 . The main activities of the Program

3.1. Program activities in the solution of the conditions for the creation of intellectual property formation problem, ensure its protection, support and the rights secure

The main direction of the Program implementation in addressing the problem of creating conditions for the creation of intellectual property, ensure its protection, support and secure the rights to it are:

- to provide strategic analysis and planning of scientific and technological activities in the field of the intellectual property;
- training of qualified specialists in the field of the intellectual property;
- ensuring effective protection of the intellectual property and the protection of the rights to it ;
- the formation of a control system for the creation and use of intellectual property.

3.1.1 . Conducting the strategic analysis and planning of scientific and technical sphere of activity in the field of intellectual property

To address the major challenges in the field of intellectual property in the Republic of Tatarstan at the present stage of innovation system development, it is necessary to create an integrated set of protection and management of intellectual property – the

Center of Intellectual Property of the Republic of Tatarstan, which will combine the following functional areas:

- monitoring the achievement of the planned indicators, reporting on results in the area of intellectual property in the Republic of Tatarstan and the annual report, "State and prospects of the development of intellectual property in the Republic of Tatarstan";
- preparation of proposals for the development of regulations for strategic planning, defining the state policy of the Republic of Tatarstan in the field of science and innovation, based on intellectual property;
- electronic processing and filing of the application documents to the Federal Institute of Industrial Property for the registration the industrial property rights of applicants from Republic of Tatarstan;
- evaluation and consideration of the results of intellectual activity;
- management of rights to results of intellectual activity , including those obtained with the budget of the Republic of Tatarstan;
- monitoring of the use of intellectual property;
- development and maintenance of automated information-analytical system "data bank" intellectual potential of the Republic of Tatarstan"
- patent information , counseling and legal services;
- holding exhibitions and presentation activities;
- further education in the field of intellectual property.

The implementation of the Centre's Intellectual Property of the Republic of Tatarstan proposed for the state unitary enterprise of the Republic of Tatarstan "Tatarstan Center of Scientific and Technical Information ."

As part of the creation and development of the Center of Intellectual Property of the Republic of Tatarstan following problems should be solved: the problems of modernization of logistics state unitary enterprises of the Republic of Tatarstan "Tatarstan Center of Scientific and Technical Information" and improve its performance by optimizing staffing, improved processes and legal procedures.

Effective development of patent and licensing activities in the Republic of Tatarstan is impossible without an integrated platform for information exchange in the field of intellectual property - the automated information-analytical system "Data bank" intellectual potential of the Republic of Tatarstan". Data Bank " The intellectual potential of the Republic of Tatarstan " is a single register of the results of intellectual activity the Republic of Tatarstan , which should include:

- information about registered results of intellectual work of the applicants from the Republic of Tatarstan in Rospatent;
- information about registered results of intellectual activity of the Republic of Tatarstan abroad;
- information about the inventors of the Republic of Tatarstan;
- the database of "open innovation" is the innovative and investment projects in the Republic of Tatarstan;

- normative legal acts of the Russian Federation, the Republic of Tatarstan of the Russian Federation, the CIS countries and the states - members of the Commonwealth of Independent States in the field of innovation and intellectual property;
- information about the enterprises and organizations of the Republic of Tatarstan, with innovative;
- completed scientific and technical work, including reports on research, R&D and thesis;
- outstanding scientific and technical problems;
- information on the experts and authors of the research and development of the Republic of Tatarstan;
- methods and reference materials, including on the protection of intellectual property and the protection of the rights to it, scientific publications and periodic scientific and technical publications;
- themed collections of electronic documents, databases of industrial catalogs;
- Deposited scientific work.

The basis of the planning of scientific and technological activities in the Republic of Tatarstan are strategic, long-term and departmental target programs aimed at the development of high-tech sectors of the economy, and social services, including health, education and culture.

According to the the Program thesis Departments should design a program of intellectual property, which will detail the mechanisms of implementation of the program and identify specific activities, sources and amounts of funding. Through the Program and departmental programs the development of intellectual property overall innovation policy of the Republic of Tatarstan is interconnected with the tasks of innovative economic development.

An effective management of intellectual property rights at all levels of economic management is one of the key conditions for creating databases of innovative development and competitiveness of individual companies and the country as a whole.

At the departmental (sectoral) level of the efficiency of intellectual property management is determined by the conduct of adjusted and balanced management policy that is corresponded to the modern trends of development of science and technology. The implementation of such a policy requires an appropriate organizational, methodological and instrumental support. It is advisable to organize industry and municipal coordinating councils (sectoral working groups) on the intellectual property and taking into account the specific features of the industry to develop guidelines as well as industry (departmental) administrative regulations on intellectual property management.

At the level of economic entities efficiency of management of intellectual property is determined by the interests and actions of owners, executive officers, employees of organizations, as well as by the presence of professionals with core competencies in the area of formation of intellectual property and its use. In this case, the management of intellectual property in the organizations should be on standardized algorithms embodied

in-laws at the level of the standards organizations - the programs for the development of the intellectual property rights of enterprises and institutions of higher education, as well as programs of innovative development of enterprises with state share in charter capital. A significant increase in expenditure on R&D companies and innovative development in general is going to be the result of such programs, as increased interaction with institutions of higher education, innovative development institutions, technology platforms, increase productivity, increase efficiency of production, export development and the overall competitiveness of the company.

The model guidelines for the development of commercialization is needed to be developed, as protection and enforcement of intellectual activity in the enterprises and organizations of the Republic of Tatarstan.

The key to effective management of the intellectual resource of the Republic of Tatarstan is due directly to the organization of activity of economic entities acting in their capacity as owners (users) of the rights of intellectual property. Therefore, at the present stage is to ensure the strengthening of the regional infrastructure of the intellectual property of Tatarstan, improve efficiency and address the issues of intellectual property management at the level of individual organizations.

Effective technology transfer centers should be set up in innovation-active organizations, and on their basis - the Republican network of technology transfer centers.

To achieve the goal it is necessary to adopt appropriate regulations for the development of infrastructure in the area of intellectual property.

The basis of the economy of the Republic of Tatarstan is to encourage innovation. Particular emphasis is placed on strengthening the cooperation of national and federal governments to support innovation in accordance with regional needs.

There should be a system of incentives for innovative companies to increase their interest in the establishment of intellectual property and commercialization.

We suggest to establish the Foundation to support scientific, technological and innovation activities of the Republic of Tatarstan (hereinafter - the Fund) as an instrument of state support for innovative companies. Filling the Fund assumed by the voluntary contributions of enterprise funds in the amount of not more than 1.5 percent of their gross revenues. Placement of funds received by the Fund is carried out on a grant basis in priority to these enterprises and projects of the Republic of Tatarstan. The work of the Fund will organize a flexible and efficient process of R&D funding and support innovative projects, but only with the participation of funds (through the use of funds) enterprises in the republic.

It is need to develop a regulatory documents of the Republic of Tatarstan on the forms and mechanisms of state support measures for innovation, the aim of which is to create incentives to increase the supply of innovation and demand from businesses, organizations and individuals, including ones from abroad.

One of the main criteria for the innovation development is to adopt the legislative acts of the Republic of Tatarstan, providing tax incentives manufacturers of innovative products. The legislation on changes and amendments should be initiated to the federal

legislation aimed to stimulating innovation processes in the economy of the Russian Federation.

3.1.2 . The training of qualified specialists in the field of intellectual property

Effective management of intellectual property requires the provision of activities of professional staff .

The current system of education, information and methodological support in the field of intellectual property does not fully meet the actual needs of the economy and should be developed further in the following areas :

- organization works to include training courses in the field of intellectual property in the educational programs of primary, secondary and higher education, vocational training and retraining. It is necessary to include course "Management of intellectual property" to the educational programs of institutions of higher education of the Republic of Tatarstan. In cooperation with Rospatent planned organization of distance learning at the Centre for Technology and Innovation Support State Unitary Enterprise of the Republic of Tatarstan "Tatarstan Center of Scientific and Technical Information" for three main courses: "Introduction to Intellectual Property" , "Patents" and "Patent Information Search";
- organization of the processes of professional and further professional education training and re-training of all entities of innovation space in the Republic of Tatarstan: Employees and executives of ministries and departments, enterprises and organizations of students, teachers, scientists, organizers of invention and innovation, patent, patent attorneys, assessors rights to results of intellectual activity, experts judicial and law enforcement systems;
- organization of business missions and internships for the exchange of experience of experts in the field of intellectual property, including foreign experts, to get acquainted with the best practices and the subsequent introduction of the acquired knowledge for the realization of the purpose of the Program;
- development and improvement of educational-methodical and scientific support of education in the field of intellectual property, development and testing of the enterprises and organizations of various industries, educational institutions, ministries and departments of the Republic of Tatarstan modular presentations, scripts, business games;
- implementation of higher education institutions and organizations of the Republic of Tatarstan joint educational projects in collaboration with the Federal State Educational Institution of Higher Professional Education" Russian State Academy of Intellectual Property" , which is the basic organization of states - members of the Commonwealth of Independent States for training, further training and retraining of cadres in the field of intellectual property.

As a part of the training system development international experience in the commercialization of intellectual property must be taken into account. Leading Russian and foreign experts should be invited for that.

Resolution of the Cabinet of Ministers of the Republic of Tatarstan from 21.05.2010 № 398 "On the Government of the Republic of Tatarstan grant "Algarysh" for the training, retraining and training of citizens in the Russian and foreign educational and scientific institutions is accepted as a tool of state support in the formation of the community of skilled professionals. "Grant of the Government of the Republic of Tatarstan "Algarysh" for training, retraining and training of citizens in the Russian and foreign educational and scientific organizations is personal and is awarded annually by the Republican Commission for the award of the grant "Algarysh".

3.1.3 . Providing effective legal protection and enforcement of intellectual property rights

Analysis of technical solutions, patent-pending Republican economic entities, shows that they are not a sufficient basis for the development of the competitive technological trends. In this regard, it is necessary to ensure that the patent and market research as to the stages of development and implementation of scientific and technical and other types of programs individual research, innovation and investment projects and the implementation of trade and industrial activities.

It is needed to combine transfer of funds on the basis of the principles of public-private partnership to create and protect innovation, as well as the identification of competitive solutions. Particular task in this regard is to develop organizational structures for technology transfer construction in the Republic of Tatarstan, which must implement the commercialization rights to the republican technology in the domestic and foreign markets, as well as finding and bringing technologies to domestic production, including those owned by foreign entities.

To determine the interests and powers of the enterprises and organizations, authors, public authorities involved in the management of intellectual property, it is planned to establish the order of the vesting of intellectual property in the Republic of Tatarstan, created in the performance of R&D for government contracts and received by the budget of the Republic of Tatarstan .

It is necessary to provide for a condition of securing the rights to results of intellectual activity. The executive power of the Republic of Tatarstan and the organizations acting on behalf of the Republic of Tatarstan government customers research and development for government contracts, government contracts should work on it. It should be possible to transfer the rights to intellectual property from ineffective to effective owner. First of all, it concerns the results of intellectual activities that are created with the budget of the Republic of Tatarstan. The cost of the patent and market research must be provided in the public contracts, as well as the costs of providing legal protection of the results of scientific and technological activities .

The situation should be improved with regard to promoting authors of intellectual property crucially. An opportunity to get the author of Intellectual Property monetary compensation should exist, but also his right to participate in the business.

The law enforcement agency have to conduct regular set of activities provided to identify, prevent and combat illegal use of intellectual property and the destruction of counterfeit goods. The Ministry of Interior of the Republic of Tatarstan in the framework of the existing agreement with LLC "Russian Authors' Society " is recommended to carry out joint activities to detect violations in the sphere of copyright and related rights, and in cooperation with the Office of the Federal Service for Supervision of Communications, Information Technology and Communications the Republic of Tatarstan, carry out joint inspection of licensed enterprises - manufacturers of optical products and other media.

Businesses, organizations and individuals are invited to actively cooperate with the office of the Federal Institute of Industrial Property "Chamber of Patent Disputes" increase the potential arbitration court as pre-trial settlement of disputes in the field of intellectual property, as well as use other pre-trial and alternative dispute resolution in the field of intellectual property .

3.1.4 . Formation of a control system for the creation and use of intellectual activity

The subject under government control of the masterminds and perpetrators of R&D is their compliance with the requirements established by the legislation of the Russian Federation in the sphere of legal protection and the usage of civilian intellectual activity created with the budget of the Republic of Tatarstan, in following:

- distribution and retention of rights to intellectual property;
- conducting patent research;
- ensure the legal protection of intellectual activity;
- presentation of information for state registration of the results of intellectual activity;
- the use of intellectual property.

To solve this problem the adoption of the Cabinet of Ministers of the Republic of Tatarstan on the system of control in the field of legal protection and use of intellectual activity civilian created with the budget of the Republic of Tatarstan is required.

3.2. The program activities in dealing with the task of forming a mechanism involving into the economy of rights to the results of the intellectual activity

The main directions of the Program in solving the problem of formation of a mechanism of involving the rights to results of intellectual activity in economic circulation are:

- an inventory, assessment and identification of patentable results of intellectual activity, and evaluation of the results of intellectual activity and making them as an intangible asset;

- introduction of the system of state accounting results of scientific re-search, development and civil engineering works and the creation of a single register of the results of intellectual activity in the Republic of Tatarstan;
- interregional and international cooperation of the Republic of Tatarstan in the field of intellectual property;
- development of the Republic of Tatarstan branding.

3.2.1 . Inventory, examination and identification of protectable intellectual activity results

The basis of strategic market institutions are the intellectual property rights to the results of intellectual activity received by business entities. The lack of reliable information about the real and potential impact of enterprises and organizations of the Republic of Tatarstan is a fundamental shortcoming of the current accounting system of intellectual property.

Making an inventory of protectable results of intellectual activity is provided and regulated by a number of documents of the Russian Federation, which define the subject of inventory, its procedure, the types and forms of documents prepared by the manner of determination of the copyright holder protectable results.

As a part of the program it is needed to develop and adopt normative legal acts of the Republic of Tatarstan on the implementation of the inventory, assessment and identification of protectable intellectual activity results in terms of competence of the Republic of Tatarstan.

Inventory of the results of intellectual activity, including technical solutions, as a filed with the innovations, enterprises and organizations of the Republic of Tatarstan allows you to get a real picture of the presence of intangible assets, efficiency and new opportunities to use them. Based on the results of the inventory a single register of the results of intellectual activity should be created in the Republic of Tatarstan - the so-called "commercial portfolio" of the Republic of Tatarstan, containing their quantitative, cost, legal characteristics.

Conducting surveys of enterprises and organizations of the Republic of Tatarstan for subsequent mapping stream of intellectual property will assess the competitive advantages of national companies-producers of goods and services. Under the conditions of accession of the Russian Federation to the World Trade Organizationit automated tracking of business competitors of national companies in the research and manufacturing sectors is required. It helps to prevent threats from known and emerging potential and actual competitors.

On the basis of businesses and organizations surveys a system of comparative evaluation of the implementation of their policies in the field of intellectual property for the development of further measures to stimulate research in science and technology and the introduction of mechanisms to enhance innovation and creativity should be developed.

3.2.2 . Implementation of the system of state accounting results of scientific research, development and civil engineering works and the creation of a single register of the results of intellectual activity in the Republic of Tatarstan

The account created by the results and assessment of their significance, including on the basis of data on the actual use can significantly adjust the assessment of the potential R&D performers and artists contribute to a better selection of future work , as well as a reasonable allocation of funds for research and development, including the budget of the Republic of Tatarstan .

To solve this problem it is necessary to create conditions for the spread of the Regulation on the common system of state registration and storage of the results of research, development and civil engineering works in the Republic of Tatarstan, approved by the Cabinet of Ministers of the Republic of Tatarstan from 12.03.2010 № 133 "On approval of the Regulation a unified system of state registration and storage of the results of research, development and civil engineering works in the Republic of Tatarstan", local governments, enterprises and organizations of the Republic of Tatarstan.

3.2.3 . Interregional and international cooperation of the Republic of Tatarstan in the field of intellectual property

Important tools for the stimulating further economic development of the republic, allowing to expand markets, to carry out a transfer of technology and systematic integration into the world economy are inter-regional and international activities.

The following main areas of inter-regional and international activities should be noted:

- intergovernmental agreements with the Russian Federation on trade-economic, scientific-technical and cultural cooperation as an instrument of state regulation of inter-regional activities of the Republic of Tatarstan, with the involvement of national enterprises and organizations as well as businesses, communities, offices, shopping malls Republic of Tatarstan, associations located outside the country;
- increases in the use of the potential of regional (in the Russian Federation) and the foreign missions of the Republic of Tatarstan, which should be able to make recommendations to the Tatarstan business entities and advise on intellectual property issues in the regions of the Russian Federation and foreign states. Particular task in this area is to strengthen the human resource capacity of such institutions by experts in the field of intellectual property;
- supplying of Tatarstan enterprises to attract investment from the regions of the Russian Federation and foreign countries participated in the formation of long-term investment programs of mutual interest;
- active involvement in the inter-regional cooperation of small and medium-sized enterprises of the Republic of Tatarstan, the establishment of representative offices, branches of national companies.

As part of the intergovernmental agreements on trade, economic, scientific-technical and cultural cooperation in the field of scientific and technical information and intellectual property agreements with a number of regions of the Russian Federation provides for joint efforts to establish long-term cooperation in the development of regional systems of government scientific and technical information to improve the management of information infrastructures regions in science and technology, to create the necessary conditions for the production of information and cultural products and services. The priority directions of scientific and technical cooperation in this area are:

- the development of regional systems of government scientific and technical information that can be integrated into the state system of scientific and technical information of the Russian Federation;
- Information sharing of the results of research and development in priority areas of science and technology ;
- the creation of regional markets of intellectual property rights in the regions and commercialization rights to results of intellectual activity .

3.2.4 . The development of the Republic of Tatarstan branding

Within the framework of the Republic of Tatarstan branding the competitive advantages of products (goods and services), produced by economic entities, based on the geographical position of the Republic of Tatarstan are used, taking into account the peculiarities of origin of goods and services, national culture, traditional knowledge, developing in the republic of new industries and technologies.

The Republic of Tatarstan possesses a sufficiently high scientific and technical potential, and expressing itself in many priority areas of science, technology and engineering, also solves the problem of increasing the capacity of cultural, sports and tourism industries and other sectors in which developing brands that form the image of the Republic Tatarstan.

In order to generalize the experience in the implementation of the annual program the following activities are planned:

- scientific, technical, economic and methodological forums, symposiums, conferences, seminars and exhibitions on intellectual property;
- republican competition "50 best innovative ideas for the Republic of Tatarstan" and competition " Best Invention of the Year";
- inspection of the best arrangement of invention, rationalization of work and license work of enterprises and organizations of the Republic of Tatarstan;
- Competition and Exhibition of technical creativity of schoolchildren Republic of Tatarstan "Kulibins of the XXI Century" ;
- Competition and Exhibition of technical creativity of students in secondary vocational educational institutions of the Republic of Tatarstan "Levsha";
- Open team tournament programming among students and pupils of the Republic of Tatarstan.

The most important actions that enhance the image of the Republic, are the exhibition and presentation activities, including a presentation of the results of the implementation of program activities in other regions of the Russian Federation and abroad.

4. Terms and stages of implementation of the Program

The terms of the Program:

The program is implemented from 2013 to 2020 in two stages:

Stage I "Formation of organizational and legal mechanism for the creation of intellectual property market": 2013 - 2015 years;

Stage II: "Improving the functioning of the market of intellectual property": 2016 - 2020 years.

5. The Program's resource support

Total funding of the program activities is 498 million rubles.

Amount of program activities from the budget of the Republic of Tatarstan is 336.5 million rubles. In addition, the program is being implemented within the current funding of the ministries and departments of the Republic of Tatarstan.

Extrabudgetary component of the program activities is 161.5 million rubles.

The scheme of the program activities is presented in Table 5.

Table 5

The financial structure of the program activities

Year	Public funds of the Republic of Tatarstan, mln rub	Non-government sources funds, mln rub	Total, mln rub
2013	-	10	10
2014	84,5	18,5	103
2015	47,5	20,5	68
2016	46,5	18,5	65
2017	36,5	20,5	57
2018	38,5	22,5	61
2019	40,5	24,5	65
2020	42,5	26,5	69
Total	336,5	161,5	498

Funding for the program is the subject for the annual improvements in budget of the Republic of Tatarstan for the corresponding year in the prescribed manner.

6. The mechanism of the Program

The program is shaped like a set of concrete measures aimed to the creating a high-tech republic, with the developed innovative and competitive economy attractive to investors, providing a high quality of life.

The Contract accepters for every event are identified - the bodies of executive power of the Republic of Tatarstan agencies and organizations. Overall supervision of the implementation of the Program is carried out by its contracting authority – the Cabinet of Ministers of the Republic of Tatarstan.

The Ministry of Economy of the Republic of Tatarstan is responsible for the implementation of the Program and ensuring the achievement of the values of quantitative and qualitative indicators of its effectiveness.

During the implementation of the Program the Ministry of Economy of the Republic of Tatarstan :

- coordinates the activities of implementing the program;
- prepares, in the prescribed manner proposals to clarify the list of program activities, the cost of implementation, as well as the mechanism of implementation of the program;
- submits the contracting authority - the Cabinet of Ministers of the Republic of Tatarstan reports on the implementation of the Program.
- The Contract accepters of the Program submits the Ministry of Economy of the Republic of Tatarstan information on the implementation of the Program by the 10th of the month following the reporting quarter .

In accordance with the established procedure the Program can be changed.

7. Assessment of the socio-economic benefits in Program implementation

A range of program activities will increase the return on the functioning of the innovation infrastructure of the republic, increase the economic value of the use of intellectual property and the efficiency of public funds invested in the development of science and innovation.

The results of the program will:

- formulate the policy of the Republic of Tatarstan in the field of scientific and technical work and management rights to intellectual property;
- form of organizational and functional structure of the management rights to intellectual property;
- establish legal and methodological framework of the Republic of Tatarstan for the effective management of rights to intellectual property;
- develop a national system of accounting of R&D, ensuring the collection, processing, storage and use of economic, legal and technical information on the results of intellectual activity with the purpose of decision-making;

- define the powers and interests of enterprises and organizations, authors, authorities of the Republic of Tatarstan, involved in the creation, management and control in the field of intellectual property.

The direct economic effect of implementation of the program is achieved through:

- the promotion of innovative projects in the markets and innovation in the manufacturing sector which will lead to an increase in tax revenue at all levels of the budget;
- the analysis of the effectiveness of investments, avoid wastage of resources and avoid duplication of R&D funding;
- the reduced cycle of commercialization rights to results of intellectual activity.