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Decision of the State Council on Accelerating the Cultivation and Development of Strategic Emerging Industries Guo Fa [2010] No. 32

People's governments of all provinces, autonomous regions and municipalities directly under the Central Government, ministries and commissions of the State Council, and agencies directly under the State Council:

Strategic emerging industries are an important force to guide future economic and social development. The development of strategic emerging industries has become a major strategy for major countries in the world to seize the commanding heights of a new round of economic and scientific and technological development. In accordance with the requirements of the scientific concept of development, our country is in a critical period of building a moderately prosperous society in an all-round way, and we must seize opportunities, clarify directions, highlight key points, and accelerate the cultivation and development of strategic emerging industries. The following decisions are hereby made:

1. Seize the opportunity to accelerate the cultivation and development of strategic emerging industries

Strategic emerging industries are industries that are based on major technological breakthroughs and major development needs, have a major leading and driving role in the overall economic and social situation and long-term development, are intensive in knowledge and technology, consume less material resources, have great growth potential, and have good comprehensive benefits. Accelerating the cultivation and development of strategic emerging industries is of great strategic significance to promoting our country's modernization.

(1) Accelerating the cultivation and development of strategic emerging industries is an inevitable choice for building a moderately prosperous society in an all-round way and achieving sustainable development. our country has a large population, few per capita resources, a fragile ecological environment, and is in a period of rapid development of industrialization and urbanization, facing the arduous task of improving people's livelihood and the huge pressure of resources and environment. To build a moderately prosperous society in an all-round way and achieve sustainable development, we must vigorously develop strategic emerging industries, accelerate the formation of new economic growth points, create more jobs, better meet the growing material and cultural needs of the people, and promote the construction of a resource-saving and environment-friendly society.

(2) Accelerating the cultivation and development of strategic emerging industries is a major measure to promote the upgrading of industrial structure and accelerate the transformation of economic development mode. Accelerating the cultivation and development of strategic emerging industries is conducive to accelerating the transformation of economic development mode, upgrading the industrial level, promoting the upgrading of traditional industries, and building a modern industrial system from a high starting point, reflecting the fundamental requirements of adjusting and optimizing the industrial structure.

(3) Accelerating the cultivation and development of strategic emerging industries is an urgent need to build new advantages in international competition and grasp the initiative in development. At present, the global economic competition pattern is undergoing profound changes, scientific and technological development is breeding new revolutionary breakthroughs, and major countries in the world have accelerated their deployment to promote the rapid development of emerging industries such as energy conservation and environmental protection, new energy, information, and biology. To occupy a favorable position in future international competition, our country must accelerate the cultivation and development of strategic emerging industries, master key core technologies and related intellectual property rights, and enhance its independent development capabilities.

Accelerating the cultivation and development of strategic emerging industries has many favorable conditions and also faces severe challenges. After more than 30 years of rapid development of reform and opening up, our country's comprehensive national strength has been significantly enhanced, the level of science and technology has been continuously improved, and a relatively

complete industrial system has been established, especially the rapid development of high-tech industries, which ranks among the top in the world, laying a good foundation for the accelerated development of strategic emerging industries. At the same time, it is also facing outstanding problems such as weak technological innovation ability of enterprises, few key core technologies, imperfect policies and regulations that are conducive to the entry of new technologies and new products into the market, and imperfect investment and financing, fiscal and taxation policies, institutional mechanisms to support innovation and entrepreneurship. We must fully understand the great significance of accelerating the cultivation and development of strategic emerging industries, further enhance the sense of urgency and responsibility, seize historical opportunities, intensify work, and accelerate the cultivation and development of strategic emerging industries.

2. Adhere to innovation and development, and accelerate the cultivation of strategic emerging industries into leading industries and pillar industries

According to the characteristics of strategic emerging industries, based on our country's national conditions, science and technology, and industrial foundation, we will focus on cultivating and developing energy conservation and environmental protection, new generation information technology, biology, high-end equipment manufacturing, new energy, new materials, new energy vehicles and other industries.

(1) Guiding ideology.

Guided by Deng Xiaoping Theory and the important thought of "three represents", we should thoroughly implement the scientific concept of development, grasp the historical opportunities of the world's new scientific and technological revolution and industrial revolution, face the major needs of economic and social development, and put the acceleration of the cultivation and development of strategic emerging industries in a prominent position in promoting the upgrading of industrial structure and the transformation of economic development mode. Actively explore the development law of strategic emerging industries, give full play to the main role of enterprises, increase policy support, deepen institutional reform, focus on creating a good environment, strengthen the industrialization of scientific and technological innovation achievements, seize the commanding heights of economic and technological competition, promote the rapid and healthy development of strategic emerging industries, and contribute to promoting sustainable economic and social development.

(2) Basic principles.

Adhere to the combination of giving full play to the basic role of the market and government guidance and promotion. It is necessary to give full play to the huge advantages of our country's market demand, innovate and transform consumption patterns, create a good market environment, mobilize the enthusiasm of enterprise entities, and promote the combination of industry, academia, research and application. At the same time, for important areas and key links related to the overall economic and social development, it is necessary to give full play to the government's role in planning and guidance, policy incentives, and organization and coordination.

Adhere to the combination of scientific and technological innovation and industrialization. It is necessary to effectively improve the system and mechanism, greatly improve the ability of independent innovation, focus on promoting original innovation, vigorously enhance integrated innovation and joint research, actively participate in international division of labor and cooperation, strengthen the introduction, digestion, absorption and re-innovation, make full use of global innovation resources, break through a number of key core technologies, and master relevant intellectual property rights. At the same time, it is necessary to increase policy support and coordination and guidance, create and give full play to the role of high-quality talents, accelerate the transformation of innovation achievements, and promote the process of industrialization.

Adhere to the combination of overall promotion and leapfrog development in key areas. It is necessary to carry out overall planning and systematic layout for the development of strategic emerging industries, clarify the development timeline, and promote coordinated development. At the same time, it is necessary to choose the most basic and conditional areas as breakthroughs and focus on promoting them. Vigorously cultivate industrial clusters and promote the development of advantageous areas.

Adhere to the combination of enhancing the long-term competitiveness of the national economy and supporting current development. It is necessary to focus on the long term, grasp the new direction of scientific and technological and industrial development, deploy major cutting-edge fields as soon as possible, and actively cultivate leading industries. At the same time, it is necessary to base ourselves on the current situation, promote the rapid development of related industries that play a major role in alleviating the bottlenecks and constraints of economic and social development, promote the healthy development of high-tech industries, drive the transformation and upgrading of traditional industries, and accelerate the formation of pillar industries.

(3) Development goals.

By 2015, strategic emerging industries will form a basic pattern of healthy development and coordinated promotion, and their role in promoting industrial structure upgrading will be significantly enhanced, and the proportion of added value in GDP will reach about 8%.

By 2020, the added value of strategic emerging industries will account for about 15% of GDP, and the ability to absorb and drive employment will increase significantly. Energy conservation and environmental protection, new generation information technology, biology, and high-end equipment manufacturing industries have become the pillar industries of the national economy, and new energy, new materials, and new energy automobile industries have become the leading industries of the national economy. The innovation ability has been greatly improved, a number of key core technologies have been mastered, and the world's leading level has reached the world's leading level in local fields. form a number of large enterprises with international influence and a number of small and medium-sized enterprises with strong innovation vitality; A number of strategic emerging industry clusters with complete industrial chains, strong innovation capabilities and distinctive characteristics have been built.

After about ten years of hard work, the overall innovation ability and industrial development level of strategic emerging industries have reached the world's advanced level, providing strong support for sustainable economic and social development.

3. Based on national conditions, strive to achieve rapid and healthy development in key areas

According to the development stage and characteristics of strategic emerging industries, it is necessary to further clarify the key directions and main tasks of development, make overall arrangements, concentrate efforts, and accelerate progress.

(1) Energy conservation and environmental protection industry. Focus on the development and promotion of high-efficiency and energy-saving technology equipment and products, achieve breakthroughs in key technologies in key areas, and drive the improvement of the overall level of energy efficiency. Accelerate the research and development and industrialization demonstration of key common technologies for resource recycling, and improve the level of comprehensive utilization of resources and the industrialization of remanufacturing. Demonstrate and promote advanced environmental protection technology, equipment and products to improve the level of pollution prevention and control. Promote the construction of a market-oriented energy

conservation and environmental protection service system. Accelerate the establishment of a waste commodity recycling system supported by advanced technology, and actively promote the clean use of coal and the comprehensive utilization of seawater.

(2) A new generation of information technology industry. Accelerate the construction of broadband, ubiquitous, convergent, and secure information network infrastructure, promote the research and development and industrialization of new generation mobile communications, next-generation Internet core equipment and intelligent terminals, accelerate the integration of three networks, and promote the R&D and demonstration applications of the Internet of Things and cloud computing. Focus on the development of core basic industries such as integrated circuits, new displays, high-end software, and high-end servers. Improve information service capabilities such as software services and network value-added services, and accelerate the intelligent transformation of important infrastructure. Vigorously develop digital virtual and other technologies to promote the development of cultural and creative industries.

(3) Biological industry. Vigorously develop innovative drugs such as biotechnology drugs, new vaccines and diagnostic reagents, chemical drugs, and modern traditional Chinese medicine for the prevention and treatment of major diseases, and improve the level of the biomedical industry. Accelerate the research and development and industrialization of advanced medical equipment, medical materials and other biomedical engineering products, and promote large-scale development. Efforts should be made to cultivate the biological breeding industry, actively promote green agricultural biological products, and promote the accelerated development of biological agriculture. Promote the development, demonstration and application of key technologies in biomanufacturing. Accelerate the research and development and industrialization of marine biotechnology and products.

(4) High-end equipment manufacturing industry. Focus on the development of aviation equipment based on trunk and regional aircraft and general aircraft, and expand and strengthen the aviation industry. Actively promote the construction of space infrastructure and promote the development of satellites and their application industries. Relying on the construction of key projects such as passenger dedicated lines and urban rail transit, we will vigorously develop rail transit equipment. Oriented to the development of marine resources, vigorously develop marine engineering equipment. Strengthen basic supporting capabilities, and actively develop intelligent manufacturing equipment with digitalization, flexibility and system

integration technology as the core.

(5) New energy industry. Active research and developmentA new generation of nuclear energy technology and advanced reactors to develop the nuclear energy industry. Accelerate the promotion and application of solar thermal utilization technology and develop a diversified solar photovoltaic photovoltaic power generation market. Improve the level of wind power technology and equipment, promote the large-scale development of wind power in an orderly manner, and accelerate the construction of smart grids and operation systems that adapt to the development of new energy. Develop and utilize biomass energy according to local conditions.

(6) New material industry. Vigorously develop new functional materials such as rare earth functional materials, high-performance film materials, special glass, functional ceramics, and semiconductor lighting materials. Actively develop advanced structural materials such as high-quality special steels, new alloy materials, and engineering plastics. Improve the development level of high-performance fibers and their composite materials such as carbon fiber, aramid, and ultra-high molecular weight polyethylene fiber. Carry out research on common basic materials such as nano, superconductivity, and intelligence.

(7) New energy vehicle industry. Strive to break through key core technologies in the fields of power batteries, drive motors and electronic control, and promote the popularization, application and industrialization of plug-in hybrid vehicles and pure electric vehicles. At the same time, we will carry out research and development of cutting-edge technologies related to fuel cell vehicles, and vigorously promote the development of energy-efficient, low-emission and energy-saving vehicles.

Fourth, strengthen scientific and technological innovation and enhance the core competitiveness of the industry

Enhancing the ability of independent innovation is the central link in cultivating and developing strategic emerging industries, and it is necessary to improve the technological innovation system with enterprises as the main body, market-oriented, and the combination of industry, education and research, give full play to the core leading role of major national science and technology projects, combine the implementation of industrial development plans, break through key core technologies, and strengthen the industrialization of innovation achievements. Enhance the core competitiveness of the industry.

(1) Strengthen research on key core technologies and cutting-edge technologies in the industry. Focusing on the major needs of economic and

social development, combined with the implementation of national science and technology plans, knowledge innovation projects and natural science foundation projects, we will focus on breaking through a number of key common technologies that support the development of strategic emerging industries. Advance deployment in basic and cutting-edge technology fields such as biology, information, aerospace, ocean, and deep earth, strengthen cross-field technology and product research and development, and improve the level of basic technology research.

(2) Strengthen the capacity building of enterprise technological innovation. Increase investment in enterprise research and development, and establish an effective mechanism for the implementation of government science and technology plans and projects that are oriented to applications and have clear market prospects, led by backbone enterprises, scientific research institutions and universities. Relying on backbone enterprises, focusing on the research and development and system integration of key core technologies, supporting the construction of a number of world-advanced engineering platforms, combined with the implementation of technological innovation projects, developing a number of industrial technology innovation alliances led by enterprises and actively participating in scientific research institutions and universities. Strengthen the guidance of fiscal and taxation policies and encourage enterprises to increase R&D investment. Strengthen the construction of public technical service platforms in industrial agglomeration areas and promote the innovation and development of small and medium-sized enterprises.

(3) Accelerate the implementation of the strategy of strengthening the country with talents and the strategy of intellectual property rights. Establish a mechanism for the flow of innovative talents from scientific research institutions and universities to enterprises, and increase the construction of high-skilled talents. Accelerate the improvement of various forms of incentive mechanisms such as options, technology shares, equity, and dividend rights, and encourage scientific research institutions and scientific and technological personnel in universities to actively engage in job invention and creation. Increase efforts to attract outstanding talents from all over the world to innovate and start businesses in China. Give full play to the supporting and leading role of research universities, strengthen the construction of professional disciplines related to strategic emerging industries, and increase the number of professional degree categories that are urgently needed. Reform the talent training model, formulate policies to encourage enterprises to participate in talent training, establish a new

mechanism for enterprise-school joint training of talents, and promote the cultivation of innovative, application-oriented, compound and skilled talents. Support the creation and use of intellectual property rights, strengthen the protection and management of intellectual property rights, and encourage enterprises to establish patent alliances. Improve the mechanism for the protection and realization of the benefits of intellectual property transfer and transformation in universities and scientific research institutions, and establish an efficient intellectual property evaluation and trading mechanism. Increase rewards for innovative achievements with major social benefits.

(4) Implement major industrial innovation and development projects. With the goal of accelerating the large-scale development of the industry, select key directions that have a leading role and can achieve breakthroughs, rely on advantageous enterprises, coordinate technology development, engineering, standard formulation, market application and other links, organize and implement a number of major industrial innovation and development projects, promote the integration of factors and technology, and strive to achieve major breakthroughs.

(5) Build an industrial innovation support system. Give full play to the supporting role of knowledge-intensive service industries, vigorously develop high-tech service industries such as R&D services, information services, entrepreneurial services, technology transactions, intellectual property rights, and transformation of scientific and technological achievements, and strive to cultivate new business formats. Actively develop business services such as human resources services, investment and management consulting, and accelerate the development of modern logistics and environmental services.

(6) Promote the industrialization of major scientific and technological achievements and the development of industrial agglomeration. Improve the industrialization mechanism of scientific and technological achievements, increase the implementation of industrialization demonstration projects, actively promote the application of major equipment, establish and improve the innovation achievement release system and technology transfer institutions of scientific research institutions and universities, promote technology transfer and diffusion, and accelerate the transformation of scientific and technological achievements into real productivity. Relying on advantageous industrial agglomeration areas, cultivate a number of strategic emerging industry demonstration bases with strong innovation ability, good entrepreneurial environment, outstanding characteristics, and agglomeration development, form a growth pole, and radiate to drive regional economic

development.

5. Actively cultivate the market and create a good market environment

It is necessary to give full play to the basic role of the market, fully mobilize the enthusiasm of enterprises, strengthen infrastructure construction, actively cultivate the market, standardize market order, and create a fair and good environment for the healthy development of all kinds of enterprises.

(1) Organize and implement major application demonstration projects. Adhere to the application to promote development, focus on the urgent needs of improving the health level of the people and alleviating environmental resource constraints, select major technologies and products in the early stage of industrialization, have significant social benefits, and the market mechanism is difficult to play an effective role, coordinate the connection of existing experimental demonstration projects, organize and implement major application demonstration projects such as national health, green development, intelligent manufacturing, material replacement, and information to benefit the people, guide the transformation of consumption patterns, cultivate the market, and stimulate industrial development.

(2) Support market expansion and business model innovation. Encourage green consumption, circular consumption, and information consumption, innovate consumption patterns, and promote the upgrading of consumption structure. Expand the scope of implementation of energy efficiency labeling for end-use energy products. Strengthen the construction of market supporting infrastructure in the fields of new energy grid connection and energy storage, regional aviation and general aviation, and new energy vehicles. In the fields of Internet of Things, energy conservation and environmental protection services, new energy applications, information services, and new energy vehicle promotion, support enterprises to vigorously develop new formats such as professional services and value-added services that are conducive to expanding market demand. Actively promote new business models such as contract energy management and modern waste commodity recycling.

(3) Improve the standard system and market access system. Accelerate the establishment of industry standards and important product technical standard systems that are conducive to the development of strategic emerging industries, and optimize the approval and management procedures for market access. Further improve the system and mechanism of drug registration management, improve the centralized drug procurement system, and support innovative drugs that are clinically necessary, have accurate efficacy, high

safety and reasonable prices to be prioritized in the medical insurance catalogue. Improve the project and product access standards for new energy vehicles. Improve the management of genetically modified agricultural products. Improve and strictly implement energy conservation and environmental protection laws and standards.

6. Deepen international cooperation and improve the level of international development

It is necessary to deepen international cooperation and master key core technologies as soon as possible to enhance our country's independent development capabilities and core competitiveness. Grasp the new characteristics of economic globalization, carry out in-depth international cooperation and exchanges, actively explore new models of cooperation, and participate in international cooperation at a higher level.

(1) Vigorously promote international scientific and technological cooperation and exchanges. Give full play to the role of various cooperation mechanisms and promote international scientific and technological cooperation and exchanges at multiple levels, channels and ways. Encourage overseas enterprises and scientific research institutions to set up R&D institutions in our country, and support qualified foreign-invested enterprises to cooperate with domestic enterprises and research institutions to apply for national scientific research projects. Support our country enterprises and R&D institutions to actively carry out global R&D service outsourcing, carry out joint R&D overseas and set up R&D institutions, and apply for patents abroad. Encourage our country enterprises and R&D institutions to participate in the formulation of international standards, and encourage foreign-invested enterprises to participate in our country's technology demonstration and application projects to jointly form international standards.

(2) Effectively improve the quality and level of international investment and financing cooperation. Improve the directory of foreign investment industry guidance, encourage foreign investment to set up venture capital enterprises, and guide foreign investment in strategic emerging industries. Support qualified enterprises to carry out overseas investment and raise funds overseas through the issuance of stocks and bonds. Expand the autonomy of enterprises to invest abroad, improve the approval procedures, and further increase foreign exchange support for enterprises' overseas investment. Actively explore the construction of science and technology and industrial parks overseas. Formulate a country-specific industry-oriented catalogue to provide guidance for enterprises to carry out cross-border investment.

(3) Vigorously support the cross-border operation of enterprises. Improve

export credit, insurance and other policies, and actively support key products, technologies and services in strategic emerging industries to open up international markets in combination with foreign aid, and promote the application of independent intellectual property technical standards overseas. Support enterprises to cultivate international brands through overseas trademark registration and overseas acquisitions. Strengthen cooperation in international certification of enterprises and products.

7. Increase fiscal, tax, and financial policy support, guide and encourage social investment

To accelerate the cultivation and development of strategic emerging industries, it is necessary to improve the fiscal, tax, and financial policy support system, increase support, and guide and encourage social capital investment.

(1) Increase financial support. On the basis of integrating existing policy resources and funding channels, set up special funds for the development of strategic emerging industries, establish a stable financial investment growth mechanism, increase central financial investment, innovate support methods, and focus on supporting major key technology research and development, major industrial innovation and development projects, industrialization of major innovation achievements, major application demonstration projects, and innovation capacity building. Increase government guidance and support, and accelerate the promotion and application of high-efficiency and energy-saving products, environmental labeling products, and resource recycling products. Strengthen the performance evaluation of fiscal policies and innovate the management mechanism of financial funds, improve the efficiency of capital use.

(2) Improve tax incentive policies. On the basis of fully implementing the current tax policies to promote scientific and technological investment and the transformation of scientific and technological achievements, and to support the development of high-tech industries, combined with the direction of tax reform and tax characteristics, and according to the characteristics of strategic emerging industries, study and improve tax support policies to encourage innovation, guide investment and consumption.

(3) Encourage financial institutions to increase credit support. Guide financial institutions to establish credit management and loan evaluation systems that adapt to the characteristics of strategic emerging industries. Actively promote the innovation of financial products such as intellectual property pledge financing and industrial chain financing. Accelerate the establishment of a multi-level guarantee system including financial

contributions and social capital investment. Actively develop small and medium-sized financial institutions and new financial services.

Comprehensively use preferential fiscal policies such as risk compensation to promote financial institutions to increase their support for the development of strategic emerging industries.

(4) Actively play the financing function of the multi-level capital market.

Further improve the GEM market system and support qualified enterprises to go public and raise funds. Promote the construction of the OTC securities trading market to meet the needs of start-ups at different stages of development. Improve the transfer mechanism between different levels of markets, and gradually realize the organic connection between markets at all levels. Vigorously develop the bond market, expand the issuance scale of small and medium-sized enterprise collective bonds and collective notes, actively explore the development of financial products such as low-credit high-yield bonds and private convertible bonds, steadily promote the development of corporate bonds, corporate bonds, short-term financing bonds and medium-term notes, and broaden the financing channels for corporate debt.

(5) Vigorously develop venture capital and equity investment funds. Establish and improve supporting policy systems and regulatory systems to promote the healthy development of venture capital and equity investment industries.

Create conditions for insurance companies, social security funds, enterprise annuity management institutions and other institutional investors to participate in venture capital and equity investment funds in emerging industries within the scope of controllable risks. Give full play to the guiding role of the government's venture capital funds for emerging industries, expand the scale of government venture capital in emerging industries, make full use of market mechanisms, and drive social funds to invest in innovative enterprises in the early and middle stages of entrepreneurship in strategic emerging industries. Encourage private capital to invest in strategic emerging industries.

8. Promote institutional innovation and strengthen organizational leadership

Accelerating the cultivation and development of strategic emerging industries is a major strategic task for our country's economic and social development in the new era, and we must vigorously promote reform and innovation, strengthen organizational leadership and overall coordination, and provide impetus and conditions for the development of strategic emerging industries.

(1) Deepen reform in key areas. Establish and improve the price formation mechanism and tax adjustment mechanism of innovative drugs, new energy, and

resource products. Implement the new energy quota system and implement the full guaranteed purchase system for new energy power generation. Accelerate the establishment of an extended producer responsibility system, and establish and improve the main pollutant and carbon emission trading system. Establish policies and mechanisms to promote the efficient and orderly development of the integration of the three networks, deepen the reform of the power system, and accelerate the reform of the airspace management system.

(2) Strengthen macro planning guidance. Organize the preparation of national strategic emerging industry development plans and related special plans, formulate strategic emerging industry development guidance catalogues, carry out statistical monitoring and survey of strategic emerging industries, and strengthen the connection with relevant plans and policies. Strengthen the guidance for the development of strategic emerging industries in various regions, optimize regional layout, give full play to comparative advantages, and form a coordinated development pattern of strategic emerging industries with their own characteristics, complementary advantages and reasonable structure. All regions should focus on development priorities in accordance with the overall national deployment and local reality, and avoid blind development and duplicate construction.

(3) Strengthen organization and coordination. Establish an inter-ministerial coordination mechanism for the development of strategic emerging industries led by the National Development and Reform Commission to form a joint force and promote it as a whole.

All relevant departments of the State Council and the people's governments of all provinces (autonomous regions and municipalities) should pay close attention to formulating implementation plans and specific implementation measures in accordance with the requirements of this decision, increase support, accelerate the cultivation of strategic emerging industries into leading industries and pillar industries, and make new contributions to our country's modernization.

State Department

October 10, 2010

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