

Guiding opinions on promoting the high-quality development of the iron and steel industry	Guiding Opinions on Promoting High-Quality Development of the Steel Industry
(Draft for Comments)	(Draft for comments)
<p>The iron and steel industry is an important basic industry of our country's national economy, an important support for building a modern power, and an important field for achieving green and low-carbon development. During the "13th Five-Year Plan" period, our country's iron and steel industry has deeply promoted supply-side structural reforms, achieved remarkable results in resolving excess capacity, made more reasonable industrial structure, and made positive progress in green transformation, intelligent manufacturing, and international cooperation, effectively supporting the healthy development of China's economy and society. Entering the "14th Five-Year Plan" period, our country's iron and steel industry to achieve high-</p>	<p>The steel industry is an important basic industry of the national economy [literally: my country's national economy], an important support for building a modern and powerful country, and an important field for achieving green and lowcarbon development. During the 13th Five-Year Plan period, the national [lit.: my country's] steel industry deepened its supply-side structural reforms, achieved remarkable results in resolving excess capacity, the industrial structure became more reasonable, and positive progress was made in green transformation, smart manufacturing, and international cooperation, thus effectively supporting the healthy development of China's economy and society. Entering the 14th Five-Year Plan period, the national [lit.: my country's] steel industry still faces problems to achieve high-quality development as problems, such as overcapacity pressure, insufficient industrial safety, limitation of the ecological environment and low industrial concentration persist. In order to implement the <i>Recommendations of the Central Committee of the Communist Party of China on Formulating the Fourteenth Five-Year Plan for National Economic and Social Development and Long-Term Goals for 2035</i> and to better promote the high-quality development of the steel industry, the following opinions are put forward.</p>

<p>quality development, there are still problems such as overcapacity pressure, lack of industrial safety guarantee, ecological environment constraints, and low industrial concentration. In order to implement the "Proposal of the Central Committee of the Communist Party of China on Formulating the 14th Five-Year Plan for National Economic and Social Development and the Long-term Goals for 2035" and better promote the high-quality development of the iron and steel industry, the following opinions are put forward.</p>	
1. General requirements	I. General requirements
(1) Guiding ideology.	(1) Guiding ideology.
<p>Adhere to the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, thoroughly implement the spirit of the 19th National Congress of the Communist Party of China and the 2nd, 3rd, 4th and 5th Plenary Sessions of the 19th Central Committee, adhere to the new</p>	<p>Adhere to the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, thoroughly implement the spirit of the 19th National Congress of the Communist Party of China as well as the 2nd, 3rd, 4th, and 5th Plenary Sessions of the 19th Central Committee of the Communist Party of China, adhere to the new development concept, and adhere to the general tone of the work of seeking progress while maintaining stability. Taking the promotion of high-quality development as the theme, deepening supply-side structural reform as the main line and taking reform and innovation as the</p>

<p>development concept, adhere to the general tone of seeking progress while maintaining stability, take promoting high-quality development as the theme, deepen supply-side structural reform as the main line, and take reform and innovation as the fundamental driving force to meet the national economic construction and the people's growing better life</p>	
<p>The need for life is the fundamental purpose, coordinate development and security, better integrate into the new development pattern with the domestic cycle as the main body and the domestic and international dual cycles promoting each other, give full play to the decisive role of the market in allocating resources, better play the role of the government, accelerate the construction of a modern iron and steel industry system, promote the comprehensive improvement of the quality and</p>	<p>fundamental driving force and taking the requirements of national economic construction and the people's growing needs for a better life as the fundamental goal, coordinate development and security. Better integrate into the new development pattern with the domestic big cycle as the main body and the domestic and international double cycles promoting each other. Give play to the decisive role of market allocation of resources, better play the role of the government, accelerate the construction of a modern steel industry system, and promote the overall improvement of the quality and efficiency of the national [lit.: my country's] steel industry. Lay a solid foundation to fully realize the historical leap of China's steel industry from large to strong.</p>

<p>efficiency of the iron and steel industry, and lay a solid foundation for the comprehensive realization of our country's iron and steel industry from large to strong.</p>	
(2) Basic principles.	(2) Basic principles.
<p>Adhere to the new development concept. Firmly established</p> <p>The new development concept of "innovation, coordination, green, openness, and sharing" effectively transforms the development mode, highlights innovation-driven leadership, industrial structure coordination and optimization, green and low-carbon development throughout the life cycle, higher level of opening up, and joint construction and sharing of industrial development achievements, so as to achieve higher quality, more efficiency,</p>	<p>Adhere to the new development concept. Firmly establish the new development concept of "innovation, coordination, green, openness, and sharing" and effectively transform the development mode. Highlight innovation-driven leadership, the optimization of industrial structure, full life cycle green and low-carbon development, high level of opening to the outside world, joint construction and sharing Industrial development achievements have achieved higher quality, more efficient, fairer, safer and more sustainable development.</p>

<p>fairer, safer and more sustainable development.</p>	
<p>Adhere to reform and opening up. Unswervingly promote reform and expansion of opening up, promote reform with opening up, promote development with reform, deepen the reform of factor allocation, optimize the guarantee of resource allocation, break down the institutional and institutional obstacles that restrict the high-quality development of the industry, build a modern operation system of the iron and steel industry with scientific rule of law, efficient and active, comprehensive coverage and strong guarantee, and play a greater role in the governance system of the global iron and steel industry.</p>	<p>Persist in reform and opening up. Unswervingly advance reforms and expand opening up. Promote reforms through opening up, promote development through reforms, deepen the reform of factor allocation, optimize resource allocation guarantees, remove institutional barriers that restrict the high-quality development of the industry. Build a modern operation system for the steel industry that is based in science, governed by law, efficient, active, comprehensive and effectively guaranteed. Play a greater role in the global steel industry governance system.</p>

Adhere to market orientation. Give full play to the decisive role of the market in resource allocation, and respect the dominant position and decision-making of enterprises in the market	Adhere to market orientation. Give full play to the decisive role of the market in the allocation of resources, respect the status of corporate market players and decision-making autonomy. Give
Autonomy, better play the role of the government, maintain policy stability and forward-looking innovation, promote the better combination of effective market and promising government, build a fair and orderly market competition order, and create a good development environment.	better play to the role of the government, maintain integrity and innovation, maintain policy stability and forward-looking, promote a better combination of effective markets and effective governments, and construct a fair and orderly market competition order and create a good development environment.
Adhere to overall coordination. Adhering to the system concept to promote high-quality development, adhere to the national chess game, coordinate the relationship between the state and localities, the industry and enterprises, fully mobilize the enthusiasm of all parties, give full play to the advantages of concentrating on doing big things, focus on consolidating the	Adhere to overall coordination. Adhere to the systemic concept of promoting high-quality development, adhere to a national coordination effort. Coordinate the relationship between the state and localities, industries and enterprises. Fully mobilize the polarities of all parties and give full play to the advantages of concentrating forces to do major events. Focus on solid foundation, promote advantages, make up for shortcomings, cultivate strengths and reinforce weak points. Focus on breaking through major issues that affect the safety of the steel industry's industrial chain and supply chain, and achieve the unity of development quality, structure, scale, speed, efficiency and safety.

<p>foundation, promote advantages, make up for shortcomings, strengths and weaknesses, focus on breaking through major problems affecting the safety of the industrial chain and supply chain of the iron and steel industry, and achieve development quality, structure and regulations Mode, speed, efficiency and safety are unified.</p>	
(3) Main objectives.	(3) Main goals.
<p>By 2025, the iron and steel industry will basically form a development pattern with reasonable industrial layout, advanced technology and equipment, outstanding quality brand, high level of intelligence, strong global competitiveness, green, low-carbon and sustainable development, with the specific goals as follows:</p>	<p>Until 2025, strive for the steel industry to basically form a development pattern of reasonable industrial layout, advanced technology and equipment, outstanding quality brands, high levels of smart manufacturing, strong global competitiveness, green, low-carbon and sustainable development. The specific goals are as follows:</p>

<p>1. Industrial base. The industrial foundation has been further consolidated, the modernization level of the industrial chain has been significantly improved, and the capacity utilization rate has remained within a reasonable range. The level of equipment has been greatly improved, with advanced coke oven capacity accounting for more than 70%, and advanced ironmaking and steelmaking capacity accounting for more than 80%. The level of intelligent manufacturing has been significantly enhanced, with the numerical control rate of key processes reaching about 80%, the digitization rate of production equipment reaching 55%, and more than 50 smart factories have been built.</p>	<p>1. Industrial foundation. Further consolidate the industrial foundation, significantly improve the modernization level of the industrial chain and keep the capacity utilization rate within a reasonable range. Greatly improve the technology level of plant equipment. The cumulative production capacity of advanced coke ovens shall account for over 70%, the cumulative production capacity of advanced iron- and steelmaking shall exceed 80%. Smart manufacturing levels shall be enhanced significantly. In key processes the application of numerical control shall reach approximately 80%, at least 55% of production equipment shall be IT controlled. More than 50 smart factories shall be established.</p>
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<p>2. Innovative development. Promote the agglomeration of various innovation elements to enterprises, accelerate the collaborative innovation of industry, academia, research and application, and promote the transformation and application of scientific and technological innovation achievements. The intensity of R&D investment in the industry has reached 1.5%, breaking through 3-5 key short-plate steel materials every year, and the proportion of steel short-plate materials has dropped to less than 1‰, realizing the independent guarantee of key steel materials. Breakthroughs have been made in cutting-edge technologies such as hydrogen metallurgy, non-blast furnace ironmaking, clean steel smelting, and headless rolling.</p>	<p>2. Innovation and development. Promote the agglomeration of various innovative elements in enterprises. Accelerate and promote the collaborative innovation spanning industry, education, research and application, and promote the transformation and application of scientific and technological innovation results. The industrywide R&D investment intensity shall reach 1.5%. Every year, accomplish breakthroughs in the development 3-5 key steel materials characterized by insufficient domestic supply and squeeze the proportion of such materials below 1‰ of all steel materials. Realizing and guarantee supply independence with regard to key steel materials. Achieve breakthroughs in cutting-edge technologies, such as hydrogen metallurgy, non-blast furnace ironmaking, clean steel smelting and endless rolling.</p>
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<p>3. Resource guarantee. Promote the diversification of industrial chains and supply chains, and significantly enhance the ability to guarantee iron, manganese, chromium and other ore resources, of which the domestic self-sufficiency rate of ferrous metals has reached more than 45%, and the annual domestic scrap resources have reached 300 million tons, creating 1-2 overseas equity iron mines with global influence and market competitiveness, and overseas equity iron ore accounts for more than 20% of imported ore.</p>	<p>3. Resource guarantee. Promote the diversification of the industrial chain and supply chain. Substantially enhance the guaranteed supply of iron, manganese, chromium and other ore resources. For iron, the domestic self-sufficiency rate shall exceed 45%. The annual domestic production of scrap steel resources shall reach 300 million tons. Establish equity control in 1-2 overseas iron mines with global influence and market competitiveness. Iron ore imports from these mines shall account for more than 20% of all imported ore.</p>
<p>4. Industrial structure. The industrial layout is more reasonable, and the level of industrial agglomeration development has been significantly improved. Build a number of the world's largest steel enterprise groups and specialized first-class enterprises, and strive to achieve 40% industrial concentration of the top 5 iron and steel enterprises and the top 10 steel</p>	<p>4. Industrial structure. The industrial layout shall be more reasonable and the level of industrial agglomeration shall improve significantly. Establish several world-class, super-large steel enterprise groups with first rate professional capabilities. Strive to achieve industrial concentration with the top five steel enterprises accounting for 40% and the top ten enterprises accounting for 60%. Raise the steel output from electric furnace to account at least 15% of total crude steel production and strive to bring the ratio to 20%. The utilization ratio of scrap ratio shall reach 30%.</p>

the industrial concentration of iron enterprises reached 60%; The proportion of electric furnace steel output in the total crude steel output has increased to more than 15%, and strive to achieve it 20%; The scrap ratio reaches 30%.	
5. Green and low-carbon. Promote the coupling development between industries, build a cross-resource recycling system, and strive to be the first to achieve carbon emissions	5. Green and low-carbon. Promote interconnected development across industries. Establish a cross-resource recycling system. Strive to take the lead in passing the CO2 emissions
Peak. The completion rate of ultra-low emission transformation in the industry has reached more than 80%, and all enterprises in key areas have completed ultra-low emission transformation, reducing the total pollutant emissions by more than 20%, reducing the total energy consumption and intensity by more than 5%, and reducing the intensity of water resource consumption more than 10%, the reuse rate of water reaches More than 98%.	peak. The industry's ultra-low emission transformation shall be at least 80% complete, and all enterprises in key areas shall have completed ultra-low emission transformation. Reduce total pollutant emissions by more than 20%, reduce total energy consumption and intensity by more than 5%, reduce water consumption intensity by more than 10% and increase the water reuse rate beyond 98%.

<p>6. Quality and efficiency. Product quality, performance and stability have been further improved, and the physical quality of steel has generally reached the international advanced level. The output has reached a dynamic balance between supply and demand, and the average labor productivity of the industry has reached 1,200 tons steel/person • year, new general steel enterprises reached 2000 tons of steel/person/year. The industry profit margin reached the manufacturing average.</p>	<p>6. Quality and efficiency. Product quality performance and stability shall be further improved, and the overall quality of steel materials shall reach advanced international levels. Output shall reach a dynamic supplydemand balance. The industry's average labour productivity shall reach 1,200 tons of steel per person·and year. In newly-built general steel enterprises, labour productivity shall reach 2,000 tons of steel per person·and year. The industry' profit margin shall reach the manufacturing industry's average.</p>
2. Main tasks	II. Main tasks

<p>(4) Enhance the innovation ability of the industry. Strengthen the main position of enterprise innovation, fully mobilize the upstream and downstream innovation resources of the steel industry chain, and create a collaborative innovation ecology integrating production, university, research and application. Actively expand the socialized channels for innovation investment, encourage the industry to explore the establishment of innovation risk funds, and stimulate the innovation vitality of the whole industry. Focus on key common technologies such as low-carbon metallurgy, clean steel smelting, efficient rolling, process control based on big data, energy conservation and environmental protection, as well as general special equipment and parts such as advanced electric arc furnaces, special smelting, and high-end testing, increase investment in innovation resources, encourage the integration</p>	<p>(4) Enhance the industry's innovation capabilities. Strengthen the dominant position of enterprises as the main bodies pursuing innovation and fully mobilize innovation resources of the steel industry both upstream and downstream. Create a collaborative innovation ecosystem that integrates industry, education, research and application. Actively expand the social channels of innovation investment, encourage the industry to explore the establishment of innovation risk funds, and stimulate the innovation vitality of the entire industry. Adopt methods such as "revealing the rankings" [a.k.a. reward system for science and technology] to promote the construction of public service innovation platforms in the industry, and build innovative alliances in key steel use areas. Focus on key common use technologies, such as low-carbon metallurgy, clean steel smelting, high-efficiency rolling, process control based on big data, energy conservation and environmental protection as well as general purpose and specialized equipment and parts, such as advanced electric arc furnace, special smelting and high-end testing. Increase investment in innovation</p>
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<p>and innovation of key equipment technology, and achieve technological breakthroughs and leadership. Encourage qualified places to plan construction areas in the field of steel</p>	
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<p>domain innovation platform, and actively strive to create a national innovation platform. Encourage enterprises to change from product-centric to customer-centric, and actively explore new manufacturing formats such as large-scale customization, remote operation and maintenance services, networked collaborative manufacturing, and e-commerce. Accelerate the innovative application of supply chains and develop the world's leading supply chain enterprises. Strengthen the standard technology system and innovation capacity building, formulate and release a number of advanced and applicable industry standards, cultivate and develop a number of high-level group standards, and quickly meet market and innovation needs. Deepen the reform of the talent development system and mechanism, stimulate the vitality of talent innovation, and</p>	<p>resources, encourage integrated innovation of key equipment technology and achieve technological breakthroughs and leadership. Encourage qualified localities to plan and build regional innovation platforms in the steel sector, and actively strive to create national-level innovation platforms. Encourage enterprises to shift from product-centric to customer-centric perspectives, and actively explore new manufacturing formats, such as large-scale customization, remote operation and maintenance services, networked collaborative manufacturing and e-commerce. Speed up the application of supply chain innovations and cultivate the world's leading supply chain enterprises. Strengthen the establishment of systems for technology standards and innovation capabilities. Formulate and publish several advanced and applicable industry standards. Cultivate and develop a number of high-level group standards and quickly meet market and innovation needs. Deepen the reform of talent development systems and mechanisms, stimulate the vitality of talent innovation and cultivate more world-class leading science and technology talents and innovative teams.</p>
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cultivate more world-class scientific and technological leaders and innovation teams.	
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<p>(5) It is strictly forbidden to add new steel production capacity. Strictly implement relevant regulations such as steel capacity replacement and project filing, strictly prohibit the construction of new projects to expand smelting capacity, and do not add steel production capacity in the name of machining, casting, ferroalloys, etc. Strengthen factor constraints, strictly implement laws and regulations on environmental protection, energy consumption, quality, safety, technology, etc., use comprehensive standards to promote the withdrawal of backward production capacity in accordance with laws and regulations, and strictly prevent the resurgence of "floor steel" and the resumption of resolved excess capacity. Classified policies to dispose of zombie production capacity, do "should be withdrawn as much as possible, should be withdrawn early", and the production capacity of</p>	<p>(5) Increasing iron and steel capacity is strictly forbidden. Strictly implement relevant regulations on steel capacity replacement, project filing, etc. It is strictly forbidden to build new smelting capacity expansion projects and no capacity increase is allowed as part of projects related to processing, casting, ferroalloy etc. Strengthen factor constraints, strictly implement environmental protection, energy consumption, quality, safety, technology and other laws and regulations. Use comprehensive standards to promote the withdrawal of outdated production capacity in accordance with laws and regulations, and strictly prevent the resurgence of low-grade steel or the resumption of production at plants earmarked for elimination. Strategies to dispose of zombie production capacity shall be implemented to ensure that the production capacity of zombie enterprises that have not been restructured or liquidated cannot be used for capacity replacement. Guide steel companies to abandon the extensive development method</p>
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<p>"zombie enterprises" that have not been reorganized or liquidated shall not be used for capacity replacement. Guide iron and steel enterprises to abandon the extensive development mode of winning by quantity, and gradually establish a system based on carbon emissions, pollutant emissions, total energy consumption,</p>	
<p>production constraint mechanism based on capacity utilization, etc. Improve the long-term working mechanism for preventing overcapacity, smooth reporting channels, strengthen joint law enforcement, establish and improve the electronic map of steel production capacity control, strengthen early warning in the steel industry, make full use of satellite monitoring, blockchain, big data and other technical means to increase the</p>	<p>of winning by quantity, and gradually establish a production restriction mechanism based on carbon emissions, pollutant emissions, total energy consumption and capacity utilization. Improve the long-term work mechanism for preventing overcapacity, unblock reporting channels and strengthen joint law enforcement. Establish and improve electronic maps for steel production capacity control and strengthen the early warning of the steel industry. Make full use of satellite monitoring, blockchain technology, big data applications and other means to increase the effectiveness of investigating violations of laws and regulations The efforts to investigate and deal with the increase in steel production capacity shall maintain a high-pressure attack to consolidate the achievements of steel production reduction work.</p>

<p>investigation and punishment of illegal new steel production capacity, continue to maintain a high-pressure crackdown situation, and consolidate the results of steel capacity reduction.</p>	
<p>(6) Optimize and adjust the industrial layout. The optimization of the layout of the steel industry must comply with the national and local functional area planning, environmental protection and related industrial policy requirements. Support local governments to raise elimination standards on their own, increase structural adjustment, and encourage areas with environmental capacity, market demand, resource and energy security, and relatively insufficient steel production capacity to undertake steel transfer capacity. In principle, new</p>	<p>(6) Optimize and adjust the industrial layout. The optimization of the layout of the steel industry must meet the requirements of national and local functional zone planning, environmental protection and related industrial policies. Support local governments to raise their own elimination standards and increase structural adjustments. Encourage regions with environmental capacity, market demand, resource and energy security, and relatively insufficient steel production capacity to undertake the transfer of steel production capacity. The total emissions of major pollutants can be transferred with production capacity. Areas where the ambient air quality does not meet the requirements shall not receive incoming capacity transfers. In principle, no new coastal steel base projects shall be deployed, and new steel smelting projects shall be encouraged to rely on the existing production bases for cluster development. Steel smelting projects that necessarily have be constructed at new sites must be built in accordance with the most advanced technology and equipment level and the most advanced indicators of the steel industry. For such cases, study and clarify the scale requirements of the new blast furnace-converter long process and electric arc furnace short process facilities in coastal and non-coastal areas. Existing</p>

<p>coastal steel base projects will no longer be laid out, and new steel smelting projects will be encouraged to rely on existing production bases for agglomeration and development. For steel smelting projects that are really necessary to choose a new site for construction, it is necessary to study and clarify the scale requirements for new blast furnace-converter long process and electric arc furnace short process projects in coastal and non-coastal areas in coastal areas and non-coastal areas. Existing urban steel mills should be based on local transformation to meet ultra-low emission requirements</p>	<p>urban steel mills shall be renovated onsite, and companies that meet the ultra-low</p>
<p>In principle, the industry is not moved, closed, or stopped; For urban steel mills that cannot meet ultra-low emission requirements and have weak competitiveness, they should be based on local</p>	<p>emission requirements shall not move or shut down in principle. Urban steel mills that do not meet the ultra-low emission requirements and relatively uncompetitive ones shall reduce capacity or withdraw from the market. For relocation projects within the same province (autonomous region, municipality), careful decision-making, scientific demonstration and extensive solicitation of opinions from all sectors</p>

<p>reduction and withdrawal; For the same province For relocation projects within (districts and cities), prudent decision- making, scientific demonstration, and extensive solicitation of opinions from all parties in society should be solicited to avoid the chaos of "one-size-fits- all" relocation.</p>	<p>of society shall be undertaken to avoid a "one size fits all" relocation chaos.</p>
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<p>(7) Accelerate mergers and restructuring. Further deepen the reform of mixed ownership, promote the implementation of mergers and restructuring of leading enterprises in the industry, and establish and build a number of world-class super-large steel enterprise groups. Relying on industry advantageous enterprises, it is subdivided into stainless steel, special steel, seamless steel pipes, cast pipes, etc</p> <p>Cultivate 1-2 world-class professional leading enterprises respectively. Promote the merger and reorganization of iron and steel enterprises in the region, fundamentally change the "small and scattered" situation of the steel industry in some areas, and enhance industrial concentration. Encourage iron and steel enterprises to strengthen cooperation with upstream and downstream enterprises to enhance the overall competitive advantage of the industrial chain. Guide independent hot rolling and</p>	<p>(7) Speed up the promotion of mergers and acquisitions.</p> <p>Further deepen mixed ownership reforms, promote the merger and reorganization of leading enterprises in the industry, and establish and build several world-class super-large steel enterprise groups. Relying on advantageous enterprises in the industry, 1-2 world-class specialized leading enterprises shall be cultivated in subdivisions such as stainless steel, special steel, seamless steel pipe and cast pipe. Promote the merger and reorganization of steel enterprises in the region, fundamentally change the "small-sized, scattered and low-end" situation of the steel industry in some areas, and increase the industrial concentration. Encourage steel companies to strengthen collaboration with upstream and downstream companies to enhance the overall competitive advantage of the industrial chain. Guide independent hot rolling mills and independent coking enterprises in the Beijing-Tianjin-Hebei region and surrounding areas to participate in the mergers and reorganizations of steel enterprises in an orderly manner. Thoroughly clean up and abolish regulations that are not conducive to mergers and reorganizations and that hinder fair competition and create a market environment not conducive to mergers and reorganizations. Implement differentiated capacity replacement support policies when companies that have completed substantive mergers and reorganizations carry out the construction of smelting projects. Implement preferential tax policies and corresponding financial accounting systems. Encourage financial institutions to actively provide comprehensive financial services</p>
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<p>independent coking enterprises in Beijing-Tianjin-Hebei and surrounding areas to participate in the merger and reorganization of iron and steel enterprises in an orderly manner.</p> <p>Comprehensively clean up and abolish relevant provisions that are not conducive to mergers and restructuring and hinder fair competition, and create a market environment conducive to mergers and restructuring. Enterprises that have completed substantive mergers and restructuring shall implement differentiated capacity replacement support policies and implement preferential tax policies and corresponding financial accounting systems when constructing smelting projects.</p> <p>Encourage financial institutions to actively provide comprehensive financial services to iron and steel enterprises implementing mergers and acquisitions, layout adjustments, transformation</p>	
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<p>and upgrading in accordance with the principles of controllable risks and commercial sustainability.</p>	
	<p>to steel enterprises that implement mergers and reorganizations, layout adjustments, and transformation and upgrading in accordance with the principles of controllable risks and sustainable business.</p>

<p>(8) Orderly guide short-process steelmaking. Better play the role of electric arc furnace short-process steelmaking enterprises in green, low-carbon and market regulation, and guide the development of electric arc furnace short-process steelmaking in an orderly manner. Implement differentiated capacity replacement support policies for short-process steelmaking, and encourage blast furnace-converter long-process steel mills with advantages such as scrap, electricity prices, and markets to develop electric arc furnace short-process steelmaking through on-site transformation. Actively develop new electric arc furnace equipment with core independent intellectual property rights, accelerate the formulation of short-process steelmaking standards, and improve the relevant standard system. Support advantageous iron and steel enterprises to take the lead in establishing large-scale</p>	<p>(8) Guide short-process steelmaking in an orderly manner. Give better play to the role of electric arc furnace short-process steelmaking enterprises in green, low-carbon and market regulation, and guide the development of electric arc furnace short-process steelmaking in an orderly manner. Implement differentiated support policies for production capacity replacement for shortprocess steelmaking. Encourage steel mills with advantageous conditions such as scrap steel, electricity prices, and market potential that rely on blast furnace-converter long-process steelmaking to develop electric arc furnace shortprocess steelmaking through on-site transformation. Actively develop new electric arc furnace equipment with core independent intellectual property rights. Accelerate the formulation of standards for short-process steelmaking, and improve the relevant standards system. Support superior steel companies and others to take the lead in establishing large-scale scrap recycling, processing and distribution centres. Promote the integrated development of scrap steel recycling, dismantling, processing, classification and distribution. Further improve the construction of scrap steel processing and distribution systems. Select 5-10 superior benchmarking companies from short-process steelmaking companies and scrap steel processing and distribution companies to form a scalable industry model. Promote the construction of scrap steel spot and futures trading platforms, and promote the formation of an open, transparent and orderly scrap pricing mechanism. Encourage qualified regions to actively explore launching digital platforms for the scrap steel industry in order to promote the development of industry standards, realize online scrap trading and tax receipt supervision. Shortprocess steel plants that fully comply with the requirements of national laws, regulations and relevant industrial policies may be built in qualified parks outside urban built-up areas.</p>
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scrap recycling, processing and distribution centers, promote the integrated development of scrap recycling, dismantling, processing, classification and distribution, and further improve the construction of scrap processing and distribution system. Select 5-10 advantageous benchmark enterprises among short-process steelmaking enterprises and scrap processing and distribution enterprises to form a generalizable industrial model. Promote the construction of scrap spot and futures platforms, and promote the formation of an open, transparent and orderly scrap pricing mechanism. Encourage qualified regions to actively explore the construction of digital platforms for the scrap steel industry, and provide support for promoting the standardized development of the industry and realizing online scrap trading and tax stamp supervision. On the basis of complying with

<p>national laws, regulations and relevant industrial policy requirements, short-process steel projects are allowed to be built in eligible parks outside the urban built-up area. Encourage qualified places to take the lead in piloting the project, and use large users to directly purchase electricity and coal-to-steel bonds across regions</p>	
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Pilot power supply and other methods to reduce the cost of electricity for electric furnace steelmaking.	Encourage places with suitable conditions to take the lead and reduce the electricity cost of electric furnace steelmaking by means of direct interregional electricity purchase by large users, joint operation of coal, electricity and steel, and pilot dedicated power supply lines.
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<p>(9) Further promote green and low-carbon. Further promote the construction of a green manufacturing system in the iron and steel industry, and improve the efficiency of energy resource utilization and greening. Comprehensively popularize the application of technologies such as sintering flue gas circulation, mechanized raw material yard, blast furnace gas fine desulfurization, and efficient desulfurization and denitrification of sintering heads, and accelerate the promotion of technologies such as waste heat recovery of molten steel slag and waste heat utilization at medium and low temperatures. Support the construction of a low-carbon metallurgical innovation alliance for steel, and strengthen the research and development and application of low-carbon smelting technologies such as hydrogen energy smelting, non-blast furnace ironmaking, and carbon capture, utilization and storage. Build an integrated innovation</p>	<p>(9) Deepen the promotion of green and lowcarbon operation. Deeply promote the construction of a green manufacturing system in the steel industry, and improve the efficiency of energy resource utilization and the level of greening. Comprehensively popularize technical applications, such as sintering flue gas recovery, mechanized raw material yards, the desulfurization of blast furnace gas, and highefficiency desulfurization and denitration of sintering heads. Accelerate the promotion of technologies, such as waste heat recovery from molten steel slag and medium and low temperature waste heat utilization. Support the construction of low-carbon metallurgical innovation alliances for steel. Strengthen the R&D and application of low-carbon smelting technologies, such as hydrogen smelting, nonblast furnace ironmaking and carbon capture, utilization and storage. Establish an integrated innovation system for carbon control, monitoring and evaluation in the entire production process. Promote market-oriented trading of carbon emission rights in the steel industry. Actively promote the coupled development of steel and building materials, electric power, chemicals, non-ferrous metals and other industries. Strengthen the refined classification and utilization of solid waste and the efficient reuse of comprehensive wastewater. Vigorously promote the utilization of unconventional water sources, such as urban sewage, rainwater, seawater, and mine water, and reduce the amount of fresh water utilized. Accelerate the promotion and application of production processes and equipment that reduces the generation of industrial solid waste and reduces the hazard of industrial solid waste in the steel industry. Improve the utilization efficiency of solid waste resources such as steel slag. Promote the close integration of information technology with advanced energy-saving and environmental</p>
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system for carbon control, monitoring and evaluation in the whole process of steel production, and promote market-oriented trading of carbon emission rights in the steel industry. Actively promote the coupling development of steel and building materials, electric power, chemical, non-ferrous metals and other industries, strengthen the refined and classified utilization of solid waste, and the efficient reuse of comprehensive wastewater. Vigorously promote the use of unconventional water sources such as urban domestic sewage, rainwater, seawater, and mine water, and reduce the amount of new water withdrawn. In the iron and steel industry, accelerate the promotion and application of production processes and equipment that reduce the generation of industrial solid waste and reduce the hazards of industrial solid waste, and improve the utilization efficiency of solid waste resources such as steel slag. Promote the

close integration of information technology with advanced energy-saving and environmental protection technologies to realize the closed-loop traceability of products from design, production, application to recycling. Comprehensively promote the ultra-low emission transformation of the steel industry, and select more than 10 green factories in the industry. Focus on accelerating the promotion of Beijing-Tianjin-Hebei and surrounding areas, Fenweiping	
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<p>The former iron and steel enterprise took the lead in achieving clean transportation in external transportation. Strengthen the rigid constraints for enterprises to meet the ultra-low emission standards of pollutants, and all localities can clarify the deadline for iron and steel enterprises to achieve ultra-low emission transformation based on their own actual conditions. Explore the establishment of positive incentive and reverse incentive mechanisms, and implement differentiated industrial policies for enterprises with different levels of environmental protection governance. Promote green consumption, focus on new public buildings in super-large, extra-large and large cities, and accelerate the promotion and application of steel structure buildings. Encourage iron and steel enterprises to introduce the concept of green development of the whole life cycle of</p>	<p>protection technologies to realize the closed-loop traceability of products from design, production, application to recycling. Fully promote the ultralow emission transformation of the steel industry, and select more than 10 green factories in the industry. Focus on accelerating the transition from road-to-rail transportation of steel enterprises in the Beijing-Tianjin-Hebei region and surrounding areas as well as in the Fenwei Plain, and take the lead in realizing clean transportation. Strengthen the binding character of ultra-low pollution emission standards of enterprises. Every region can clarify the deadline for steel enterprises to complete ultra-low emission transformation based on their actual conditions, and all steel enterprises that fail to meet the standards shall suspend production until they can meet the standards. Explore the establishment of positive incentive and reverse force mechanisms, and implement differentiated industrial policies for companies with different levels of environmental protection governance. Promote green consumption, focusing on newly built public buildings in super-large, extra-large and large cities. Accelerate the promotion and application of steel structure buildings. Encourage steel companies to introduce the concept of green development throughout the product life cycle. Establish and improve green design product evaluation systems and vigorously promote green design products to provide downstream users with green steel solutions, guide downstream industries to steel upgrades, and promote the application of high-quality, high-strength, longlife, and recyclable steel products.</p>
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<p>products, establish and improve the evaluation system of green design products of steel, vigorously promote green design products, provide green steel solutions for downstream users, guide the upgrading of downstream industrial steel, and promote the application of high-quality, high-strength, long-life and recyclable steel products.</p>	
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<p>(10) Vigorously develop intelligent manufacturing. Promote the deep integration of the digital industry and the steel industry, carry out the intelligent manufacturing action plan of the steel industry, promote the application of 5G, industrial Internet, artificial intelligence, blockchain, commercial cryptography and other technologies in the steel industry, break through a number of key common technologies of intelligent manufacturing, select a number of promotion application scenarios, form a number of high-level professional system solution suppliers, and cultivate a number of intelligent manufacturing system solution services</p>	<p>(10) Vigorously develop intelligent manufacturing. Promote the deep integration of the IT industry and the steel industry. Carry out the smart manufacturing action plan for the steel industry. Promote the application of 5G, industrial Internet, artificial intelligence, blockchain, commercial cryptography and other technologies in the steel industry. Achieve breakthroughs in a batch of key common use technologies for smart manufacturing. A batch of application scenarios shall be promoted, a batch of high-level specialized system solution providers shall be formed, and a batch of smart</p>
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<p>Business. Carry out intelligent manufacturing demonstration and promotion, give full play to the demonstration and leading role of industry backbone enterprises, and build a number of benchmark factories with self-perception, self-learning, self-decision-making and self-execution capabilities. Build a big data center for the steel industry, carry out data value assessment and value mining, explore data element sharing mechanisms, and improve data resource management and service capabilities. Relying on leading enterprises to promote multi-base collaborative manufacturing, realize the optimization of the whole industry chain under the framework of the industrial Internet, and promote upstream and downstream information sharing, resource sharing, design sharing, and production sharing. Build an intelligent manufacturing standard system for the steel industry, and actively carry out research on basic commonalities, key</p>	<p>manufacturing system solution service providers shall be cultivated. Carry out the demonstration and promotion of smart manufacturing and give play to the leading role of the industry's backbone enterprises. Build a batch of benchmark factories with self-awareness, autonomous learning, autonomous decisionmaking and autonomous execution capabilities. Build a big data centre in the steel industry. Carry out data value evaluation and value mining, explore data element sharing mechanisms, and improve data resource management and service capabilities. Relying on leading enterprises to promote multi-base collaborative manufacturing, realize the optimization of the entire industrial chain under the industrial internet framework. Promote upstream and downstream information sharing, resource sharing, design sharing, and production sharing. Establish a smart manufacturing standard system for the steel industry and actively carry out research on basic common use key technologies and industry application standards, and formulate a batch of smart manufacturing standards for the steel industry.</p>
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<p>technologies and industry application standards Set a number of intelligent manufacturing standards for the steel industry.</p>	
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<p>(11) Greatly improve quality and efficiency. Accelerate the upgrading of steel products, promote quality classification and evaluation in important product fields such as offshore ships, energy equipment, advanced rail transit, automobiles, construction, high-performance machinery steel, metal products, etc., and strive to build a number of "single champion" enterprises and products, and continue to improve the stability, reliability and durability of the physical quality of products 60%. Give full play to the role of the national demonstration platform for the production and application of new materials, establish and improve the upstream and downstream cooperation mechanism of key new steel materials, and build industrial alliances in key areas. Support iron and steel enterprises to aim at the upgrading of downstream steel industry and the development direction of strategic emerging</p>	<p>(11) Significantly improve quality and efficiency. Accelerate the promotion of quality improvement and upgrading of steel products. Promote quality classification and evaluation in important product areas, such as marine engineering, energy equipment, advanced rail transit and automobiles, construction, high-performance machinery steel, metal products, and strive to create a group of "singular champion" enterprises and products. Continue to improve the stability, reliability and durability of products' physical quality, and raise the proportion of products, the physical quality of which reach advanced international levels to over 60%. Give full play to the role of the national production and application demonstration platform for new materials. Establish and improve upstream and downstream cooperation mechanisms for key new steel materials, and build industrial alliances in key areas. Support steel companies to target the upgrading of steel consuming downstream industries and the development of strategic emerging industry. Focus on the development of</p>
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industries, focusing on the development of superalloys for aero engines, high-quality special steels, and high performance	
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<p>can be used for marine engineering steel, special alloy steel for high-end equipment, steel for core basic components and other "special, precise and high" key products</p> <p>Strive to break through 3~5 key short-board steel materials every year, continue to improve the effective supply capacity and level, and meet the steel demand for major technical equipment and major projects in aerospace, national defense and military industry, marine engineering and shipbuilding, energy equipment, rail transit and other industries. Encourage enterprises to firmly establish a sense of quality first and brand leadership through technological innovation and management innovation, further promote user-centered service-oriented manufacturing, enhance the added value of products and services, and achieve industry profit margins to reach the average level of the manufacturing industry.</p>	<p>"special, refined and high" key product varieties, such as high-temperature-resistant alloys for aero-engines, high-quality special steels, highperformance marine engineering steels, special alloy steels for high-end equipment, and steels for core basic components. Every year, strive to achieve breakthroughs in 3-5 key steel materials characterized by insufficient domestic supply capabilities. Continue to improve the effective supply capacity and level, and meet the requirements of major technical equipment and major projects in the aerospace, defense and military, marine engineering, energy equipment, rail transit and other industries with regard to steel products. Encourage enterprises to firmly establish the awareness of quality first and brand leadership through technological innovation and management innovation. Deeply promote usercentric service-oriented manufacturing to enhance the added value of products and services. The industry's profit margin shall reach the manufacturing industry average. Intensify efforts to reduce costs and burdens in the steel industry, and reduce production and operation costs of enterprises.</p>
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<p>Increase the cost reduction and burden reduction of the steel industry and reduce the production and operation costs of enterprises.</p>	
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<p>(12) Improve resource security capabilities. Make full use of two resources in both domestic and international markets to establish a diversified, multi-channel, multi-way stable and reliable raw material supply base, and provide strong support for the sustainable and healthy development of our country's iron and steel industry. Promote the continuous construction of domestic key mining resources, support a number of competitive domestic mining enterprises to carry out large-scale and intensive development, promote the comprehensive selection and utilization of difficult mineral processing, promote the construction of green mines and intelligent mines, strengthen the standardized management of the iron ore industry, establish iron ore capacity reserves and mineral reserve systems, promote the comprehensive development and utilization of vanadium, titanium magnetite, and strengthen</p>	<p>(12) Improve the ability to guarantee resources. Make full use of the resources of both domestic and international markets to establish a stable and reliable raw material supply base that is diversified, multi-channel, and multi-method to provide strong support for the sustained and healthy development of the national [lit.: my country's] steel industry. Promote the continuous construction of domestic key mining resources, support a group of competitive domestic mining enterprises to carry out large-scale and intensive development, promote the application of comprehensive separation and utilization technologies for refractory minerals, promote the construction of green mines and smart mines, and strengthen standardized management of the iron ore industry. Establish iron ore capacity reserve and mineral land reserve systems, promote the comprehensive development and utilization of vanadium-titanium magnetite, and strengthen the basic guarantee capacity of domestic mineral resources. Steadily promote the development and utilization of overseas</p>
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<p>the basic guarantee capacity of domestic mineral resources. Steadily promote the development and utilization of overseas resources, and encourage steel and transportation in accordance with the principles of fairness, openness and win-win marketization</p>	
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<p>Advantageous enterprises in the fields of communications, energy, finance and other fields have formed a consortium to accelerate the construction of overseas super-large iron ore projects in West Africa, Western Australia and other countries, and strengthen cooperation with neighboring countries such as Russia, Myanmar, Kazakhstan, and Mongolia on iron ore resources. Promote the development and utilization of alloy and alloy ore resources in Southeast Asia, Central Asia, Africa and other countries, and form effective supply capacity as soon as possible. Promote the joint procurement of iron ore, enhance the right to speak on iron ore pricing, and study the establishment of a more open, fair and transparent iron ore pricing system. Give full play to the price discovery function of iron ore futures, strengthen the supervision of the futures market, investigate and</p>	<p>resources, and in accordance with the principles of fairness, openness, and win-win marketization, encourage advantageous enterprises in the fields of steel, transportation, energy, and finance to form consortia, and accelerate the construction of large-scale overseas iron ore projects in West Africa and Western Australia and strengthen iron ore resource cooperation with neighboring countries such as Russia, Myanmar, Kazakhstan and Mongolia. Promote the development and utilization of alloy and alloy mineral resources in Southeast Asia, Central Asia and Africa, and form an effective supply capacity as soon as possible. Promote joint iron ore procurement, strengthen the bargaining position in iron ore pricing, and study the establishment of a more open, fair and transparent iron ore pricing system. Give full play to the price discovery function of iron ore futures, strengthen the supervision of the futures market, investigate and deal with illegal transactions and behaviors, and effectively serve the real economy. Strengthen standards and regulations, and promote the import of recycled steel raw materials and resource utilization in an orderly manner.</p>
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<p>deal with illegal transactions and behaviors, and effectively serve the real economy. Strengthen standards and norms, and promote the import and resource utilization of recycled steel raw materials in an orderly manner.</p>	
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<p>(13) Deepen cooperation in reform and opening up. Deeply promote the reform of the "three systems" of state-owned iron and steel enterprises, deepen the reform of mixed ownership, and enhance the endogenous driving force of enterprise development; Encourage private iron and steel enterprises to improve their operating capabilities, management levels, and improve the corporate governance structure, so as to better stimulate the vitality and creativity of the non-public economy. Continue to strengthen the "Belt and Road" international steel production capacity cooperation, and guide advantageous production capacity to "go global" in an orderly manner. Explore the implementation of high-quality standards to lead actions, increase the transformation and formulation of international standards, increase the translation of foreign language versions of Chinese standards,</p>	<p>(13) Deepen cooperation in reform and opening up. Deepen the reform of the "three systems" of state-owned steel enterprises, deepen the reform of mixed ownership, and strengthen the endogenous motivation of enterprise development. Encourage private steel enterprises to improve their operating capabilities, management levels, improve corporate governance structures, and better stimulate the vitality and creativity of the non-public ownership economy . Continue to strengthen the "Belt and Road" international steel production capacity cooperation, and guide superior production capacity to "go global" in an orderly manner. Explore and implement high-quality standards leading actions, increase the transformation and formulation of international standards, increase the translation of Chinese standards in foreign languages, actively promote Chinese standards and China's smart manufacturing to "go global". Promote the collaborative "going out" of China's steel products, equipment, technology, services, and culture. Deepen international cooperation,</p>
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<p>actively promote the “going out” of Chinese standards and Chinese intelligent manufacturing, and promote the collaborative “going out” of China’s iron and steel products, equipment, technology, services, culture, etc. Deepen international cooperation, increase opening up, stabilize foreign investment and foreign trade, and encourage countries</p>	
<p>Domestic and foreign steel and mining enterprises will strengthen cooperation, build a mutually beneficial and win-win industrial chain and supply chain cooperation system, jointly develop third-party markets, strengthen exchanges and cooperation in talents and technology in the steel industry at home and abroad, promote scientific and technological innovation and management innovation, improve enterprise operation efficiency, optimize resource</p>	<p>increase opening to the outside world, stabilize foreign investment and foreign trade, encourage domestic and foreign steel and mining enterprises to strengthen cooperation, build a mutually beneficial and win-win industrial chain supply chain cooperation system, and jointly develop third-party markets. Strengthen the exchanges and cooperation of talents and technology in the steel industry at home and abroad, promote technological innovation and management innovation, improve corporate operational efficiency, optimize resource allocation guarantees, and jointly create a global steel industry ecosystem with complementary advantages.</p>

<p>allocation guarantees, and jointly create advantages Complementary global steel industry ecosystem.</p>	
<p>(14) Maintain fair market order. Strengthen the standardized management of production and operation of iron and steel enterprises, strengthen the restraint of factors such as quality, equipment, environmental protection, energy consumption and safety, continuously strengthen supervision during and after the event, realize the dynamic adjustment of "in and out", and continue to supervise the standardized development of enterprises. With standards and specifications as the starting point, promote the standardized operation of casting pig iron blast furnaces, ferroalloys, electrolytic metal</p>	<p>(14) Maintain fair market order. Strengthen the standardized management of production and operation of steel enterprises, strengthen the restrictive effects of quality, equipment, environmental protection, energy consumption, and safety, continuously strengthen the supervision during and after the event, realize the dynamic adjustment of "in and out", and continue to supervise the standardized development of enterprises. Taking standard specifications as the starting point, promote the standardized operation of foundry pig iron blast furnaces, ferroalloys, electrolytic metal manganese and other enterprises to upgrade their quality. Strengthen the establishment of a corporate integrity system, create a fair and honest market environment, incorporate unauthorized increase in production capacity, fraudulent practices, and irregular operations into the credit information sharing platform, publish it on websites such as "Credit China", implement joint punishments and credit constraints, and guide enterprises to operate in accordance with laws and regulations, and have healthy competition. Give full play to the role of industry organizations. Enhance corporate social responsibility awareness and industry selfdiscipline. Avoid disorderly and vicious price competition, and maintain the stable operation of the industry. Establish a high-quality development evaluation system for enterprises, carry out quality and benefit analysis and evaluation, and implement hierarchical and</p>

<p>manganese and other enterprises to improve their quality and upgrade. Strengthen the construction of enterprise integrity systems, create a fair and honest market environment, include unauthorized new production capacity, fraud, and irregular operations into credit information sharing platforms, publish them on websites such as "Credit China", implement joint punishment and credit constraints, and guide enterprises to operate in accordance with laws and regulations and compete healthily. Give full play to the role of industry organizations, enhance the awareness of corporate social responsibility and industry self-discipline, avoid disorderly low-price vicious competition, and maintain the smooth operation of the industry; Establish an evaluation system for high-quality development of enterprises, carry out quality and efficiency analysis and evaluation, implement hierarchical and classified</p>	
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management of enterprises, better play the targeted role of industrial policies, and promote the high-quality development of the industry.	
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	classified management of enterprises. Give full play to the targeting role of industrial policies to promote high-quality development of the industry.
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<p>(15) Improve the level of intrinsic safety.</p> <p>All regions should further improve safety awareness, combine the actual situation of the region, based on source prevention, and guide the industry to strengthen safety production management from the aspects of industry planning, industrial policies, laws and regulations, and administrative licensing. Iron and steel enterprises should improve the safety risk prevention and control mechanism, continue to promote the standardization of safety production, fully implement the safety production responsibility system, carry out in-depth investigation and management of safety risks and hidden dangers, eliminate backward and high-risk process technology and equipment, implement online monitoring and early warning technology for major hazards, improve the level of intrinsic safety, and prevent and curb the</p>	<p>(15) Improve the level of intrinsic safety. All regions shall further enhance their safety awareness, combine the actual conditions of the region, base prevention on the source, and guide the industry to strengthen production safety management in terms of industry planning, industrial policies, regulations and standards, and administrative licensing. Steel enterprises must improve risk prevention and control mechanisms, continue to promote the standardization of production safety, fully implement the production safety responsibility system. Conduct in-depth investigations and management of hidden safety risks, eliminate outdated high-risk technology and equipment. Implement online monitoring and early warning technology for major hazards, improve the level of intrinsic safety, prevent and contain the occurrence of major accidents. Steel companies shall increase security investment, vigorously improve the level of network security and industrial control system protection. Implement the main responsibility of network security, formulate emergency response plans for network security and industrial control system security incidents. Conduct regular drills, improve the security of commercial password applications, and improve the security risk assessment and management mechanism to effectively identify corporate network security risk points and actively responds to security challenges brought about by the integration of emerging technologies.</p>
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<p>occurrence of major accidents. Iron and steel enterprises should increase investment in security, vigorously improve the level of security protection of network security and industrial control systems, implement the main responsibility of network security, formulate emergency response plans for network security and industrial control system security incidents, conduct regular drills, improve the security of commercial cryptography applications, improve the security risk assessment and management mechanism, effectively identify enterprise network security risk points, and actively respond to the security challenges brought about by the integration of emerging technologies.</p>	
<p>3. Safeguard measures</p>	<p>III. Safeguard measures</p>

<p>(16) Strengthen organization and implementation. In accordance with these opinions, the local industry and information technology authorities should strengthen overall coordination with relevant departments, strengthen supervision during and after the event, and promote the implementation and implementation of various tasks. Relevant enterprises should act according to their own reality and in accordance with the determined main goals and key tasks</p>	<p>(16) Strengthen organization and implementation. Based on this opinion, the local industry and informatization authorities shall strengthen the overall coordination with relevant departments, strengthen the supervision during and after the event, and promote the implementation and implementation of various tasks in accordance with the actual development and characteristics of the region. Relevant enterprises shall pragmatically advance relevant work in accordance with their own actual</p>
<p>Promote relevant work. Relevant industry organizations should give full play to their role as bridges, strengthen guidance and services to enterprises, timely reflect new situations and problems that arise in the process of implementing opinions, and put forward policy suggestions.</p>	<p>conditions and the main objectives and key tasks determined. Relevant industry organizations shall give full play to the role of bridges, strengthen guidance and services to enterprises, and promptly reflect new situations and new problems that arise during the implementation of opinions, and put forward policy recommendations.</p>

<p>(17) Strengthen policy coordination. Research and formulate policies and measures to support the high-quality development of the iron and steel industry, such as energy conservation, environmental protection, safety, finance, finance, comprehensive utilization of land and resources, strengthen the connection and cooperation between policies, form policy synergy, and achieve local conditions, maintain pressure, and implement precise policies. Strengthen the implementation of relevant policies and measures, and create a fair competition, healthy and orderly policy environment. Innovate support methods to guide and encourage social capital to increase support for intelligent manufacturing, green manufacturing, new materials, resource security, etc. Pay attention to demand guidance and standard guidance, promote the downstream steel industry</p>	<p>(17) Strengthen policy coordination. Research and formulate policies and measures to support the high-quality development of the steel industry in terms of energy conservation, environmental protection, safety, finance, banking, land, and comprehensive utilization of resources. Strengthen the coordination between policies, and form a policy synergy, so as to adapt measures to local conditions, maintain pressure, and implement precise policies. Strengthen the implementation of relevant policies and measures to create a fair competition as well as a healthy and orderly policy environment. Innovate support methods, guide and encourage social capital to increase support for smart manufacturing, green manufacturing, new materials, and resource protection. Pay attention to demand guidance and standard guidance, promote the downstream steel industry to improve design specifications and standards, and guide the upgrading of steel product consumption.</p>
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<p>to improve the requirements and standards of design specifications, and guide the consumption and upgrading of steel products.</p>	
<p>(18) Do a good job in demonstration and guidance. Build an evaluation system for the high-quality development of iron and steel enterprises, combine the hierarchical and classified management of production and operation specifications of iron and steel enterprises, improve the quality of dynamic management of standardized enterprises, carry out high-quality iron and steel enterprise creation activities, and select a number of iron and steel enterprises with representative achievements and high development</p>	<p>(18) Do a good job of demonstration and guidance. Establish a high-quality development evaluation system for steel enterprises. Combine with the graded and classified management of the production and operation specifications of steel enterprises. Improve the quality of dynamic management of standardized enterprises with “in and out” and carry out high-quality steel enterprise creation activities. Select several steel companies with representative achievements and high development quality in the fields of smart manufacturing, green and low-carbon operation, that are effectively addressing their shortcomings and build them into demonstration companies. continue to carry out benchmarking and tap the potential, and lead the high-quality development of the steel industry.</p>

<p>quality in the fields of intelligent manufacturing, green and low-carbon, and make up for shortcomings, build them into demonstration enterprises, and continue to carry out in-depth benchmarking and potential work</p> <p>Leading the high-quality development of the steel industry.</p>	
<p>(19) Strengthen public opinion publicity. Through mainstream media such as newspapers, radio, television, and the Internet, we will widely publicize the good experience and good practices of the high-quality development of the steel industry, establish models, learn from the advanced, maintain and enhance the social image of the steel industry, and enhance the sense of mission, responsibility and honor of the whole industry to promote high-quality development. Strengthen public opinion supervision, expose violations of laws and regulations in a timely</p>	<p>(19) Strengthen public opinion propaganda. Through mainstream media such as newspapers, radio, television, and the Internet, extensively publicize the good experiences and practices of the high-quality development of the steel industry, establish models, learn advanced, and maintain and enhance the social image of the steel industry. Enhance the sense of mission, responsibility and honor of the whole industry to promote high-quality development. Strengthen the supervision of public opinion, timely expose violations of laws and regulations, and strengthen negative warnings. Actively follow the dynamics of public opinion, strengthen policy interpretation and publicity, respond to social concerns in a timely manner, and form a good public opinion environment.</p>

<p>manner, and strengthen negative warnings. Actively track the dynamics of public opinion, strengthen policy interpretation and publicity, respond to social concerns in a timely manner, and form a good public opinion environment.</p>	
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