

## Key Points of National Standardization Work in 2020

2020 is the year when a well-off society is built in an all-round way and the 13th Five-Year Plan is completed. It is the year when the 14th Five-Year Plan is laid out and the efficiency of standardized governance is improved. The overall thinking of standardization work this year is: under the guidance of Xi Jinping's socialism with Chinese characteristics in the new era, fully implement the spirit of the 19th CPC National Congress and the second, third and fourth plenary sessions of the 19th CPC Central Committee, as well as the central economic work conference, earnestly implement the central government's plan to comprehensively promote the prevention and control of the new corona virus epidemic and economic and social development, thoroughly implement the spirit of the national market supervision work conference, adhere to the new development concept, and stick to the goal and task of building a well-off society in an all-round way. Being focused in the modernization of the national governance system and governance capability, we will vigorously promote the implementation of the standardization strategy, continue to deepen the reform of standardization work, vigorously promote the standard system-based opening, accelerate the construction of a standard system to promote high-quality development, and give full play to the basic and strategic role of standardization in the modernization of the national governance system and governance capability.

### I. **Strengthening Top-level Design and Promoting Strategic Positioning of Standardization Work**

#### (1) To pay close attention to the study and preparation of the outline of national standardization strategy

1. The drafting group of standardization strategy outline, which includes representatives from regions, industry departments and other departments, will be formed to prepare the Outline of the National Standardization Strategy on the basis of fully absorbing the research results of the "China Standard 2035" project, fully demonstrating and extensively listening to the opinions of all parties.
2. Support the Chinese Academy of Engineering to carry out the "National Standardization Development Strategy Research" project.

#### (2) Do a good job in the planning and layout of the "14th Five-Year" standardization work

3. Actively promote the implementation of standardization strategy into the "14th Five-Year Plan" of all regions and departments, take the construction of a standard system to promote high-quality development as an important content, and highlight the foundation of standardization in the modernization of the national governance system and

governance capacity.

4. In conjunction with the actual work, to organize the formulation of "14th Five-Year" standardized development plan for various regions and departments.

(3) Solidify the interaction and connection of standardization strategies.

5. Strengthen the interaction and connection between standardization strategy and major national strategies, and accurately take care the major demands for standardization of national strategies such as innovation-driven development, rural revitalization, coordinated regional development and sustainable development. Continue to raise the level of generalization of military and civilian standards.
6. Strengthen the interaction and connection between China's standardization strategy and international standardization strategy to promote high-level opening.

**II. Deepening Standardization Reform and Promoting Standardization Development Vigor**

(1) Improve the management of mandatory national standards.

7. Do a good job in publicizing and implementing the "Measures for the Administration of Mandatory National Standards". Actively build a mandatory national standards management system with collaborative authority.
8. Accelerate the integration of relevant mandatory industry standards and local standards into mandatory national standards to form a mandatory national standard system with appropriate scale and reasonable structure.
9. Strengthen the enforcement supervision of mandatory national standards to ensure the effective implementation of standards.

(2) Optimizing the management of recommended national standards.

10. Strictly control the scale of recommended national standards. Recommended national standards will focus on formulating standards that are universal in foundation and compatible with mandatory national standards. Strengthen the review of standards and further improve the efficiency of setting up and approving national standards.
11. Intensify the consolidation and revision of recommended national standards, explore the establishment of a new evaluation mechanism for the review of national standards, and carry out re-evaluation of the national standards system according to professional fields.
12. Further improve the signature system of the recommended national standards.

13. To improve the fast-setting mechanism for standards relating with new technologies, new industries, new formats and new models.
14. We will promote a more open process for the formulation of national standards.

*(3) Standardize the management of industry standards.*

15. Strengthen the integration and optimization of industry standards, focus on the development of important products, engineering technology, services and industry management standards in the industry, control the scale of new industry standards appropriately, and improve the coverage of individual industry standards.
16. Explore the gradual decrease amount of industry standards for general products and services, and encourage social organizations to take over standard supply in related fields.
17. Improve the filing system for industry standards, gradually make the filing information of industry standards public, and promote the disclosure of industry standard texts.
18. Do a good job in reviewing industry standards, carry out the evaluation and optimization of industry standard codes, and further strengthen the effective management of industry standards.

*(4) Strengthening local standardization work.*

19. Focus on local economic and social development priorities and issue a number of high-quality local standards.
20. To carry out the summary and evaluation of the local standardization comprehensive reform pilot, and form replicable and replicable pilot results.
21. Vigorously promote the coordinated development of standardization in Beijing, Tianjin, Hebei, Yangtze River Delta, Guangdong, Hong Kong, Macao and the Gulf region, and actively build a Xiongan standard system with international advanced level.
22. In-depth promotion of benchmarking by hundreds of cities, thousands of industries, and thousands of enterprises is linked to the reform of the international standard product labeling system, and more enterprises are encouraged to participate in benchmarking. Continue to promote the standardization of enterprise good behavior evaluation and third-party evaluation.
23. Do a good job in the implementation of the "measures for the administration of local standards" and strengthen the supervision and management of local standards.

(5) Promote the development of urban standardization and innovation.

24. Launch a comprehensive urban standardization pilot project and explore a new model and a new path for standardization work with cities as carriers and with the participation of the government, social organizations and enterprises.
25. Carry out standardization work such as territorial and spatial planning, transportation, ecological environment protection, safety in production, and emergency response of metropolitan areas and urban agglomerations, explore new models and new paths for standardization to promote coordinated development of metropolitan areas and urban agglomerations, and cultivate new advantages for regional competition.
26. Build an international exchange platform for city standardization to promote capacity cooperation and trade between domestic and foreign cities through standardization.

(6) Develop stronger association standards.

27. Vigorously implement the association standard training plan and application demonstration, focus on new technologies, new industries, new formats and new models, and expand the supply of advanced applicable association standards.
28. To guide and standardize social organizations to carry out standardization work, strengthen the supervision and management of group standards, and create a good environment for the healthy development of association standards.
29. Encourage social organizations to participate in international standardization activities and accelerate the internationalization of association standards.

(7) Enhance the competitiveness of enterprise standards.

30. To further improve the enterprise standard information public service platform.
31. Carry out the “forerunner project” of enterprise standards in 2020.
32. To strengthen the supervision and inspection of enterprise standards, improve the quality level of enterprise standards.

**III. Strengthen the development of the standard system, improve ability of high quality development**

(1) Strengthen the new crown virus epidemic prevention and control related standard system construction.

33. Organize and carry out research on the standard system in relevant fields of epidemic prevention and control.
34. To speed up the development of new corona virus epidemic prevention and control detection methods and standards in the field of quality control, to promote the epidemic emergency disposal, social prevention and control, protective equipment, epidemic prevention and control materials and industrial chain supporting equipment, urban management, rural communities and return to work to resume production and other standard system revision work.
35. Encourage social organizations to organize the formulation of relevant association standards for epidemic prevention and control, and increase the effective supply of standards required by enterprises to resume work and reproduction.

(2) Strengthen the construction of agricultural and rural standard system.

36. Issue an action plan to strengthen the standardization of agriculture and rural areas, accelerate the promotion of the agricultural standardization demonstration and extension system, focus on the construction of the entire agricultural industry chain and the green development standard system, and increase the development of safety, quality, service and support standards for the entire agricultural industry chain.
37. Step up the formulation of ecological agricultural standards such as technologies for the safe use of agricultural land soil, emergency monitoring and ecological restoration of fishery environment, and resource utilization of livestock and poultry manure.
38. Continue to carry out the construction of pilot demonstration projects for standardization in the agricultural and rural areas, increase the supply of standards in areas such as improvement of the living environment in rural areas, improvement of the appearance of villages, construction and renovation of rural household toilets, and basic public services in rural areas, improve the standard system for rural governance, and raise the level of construction in beautiful countryside.

(3) Improve the food quality and consumer product quality and safety standard system.

39. Implement the clean-up conclusion of food quality standards and abolish, formulate and revise a number of food quality standards and plans, and promote the development of a food quality standard system.
40. Focus on consumer goods such as children's products, cosmetics, textile and clothing, household goods, decoration products and other consumer goods, and further improve safety standards, basic general standards, important product standards and supporting testing method standards.

41. Continue to evaluate the degree of uniformity of consumer product standards and promote the parallel development of national standards and international standards for key products such as air purifiers, children's toys and children's furniture.
42. Promote the formulation of standards for elderly products, products for the disabled and domestic medical devices, and study the grading and grading system for consumer goods.  
Product quality standard

*(4) Promoting the construction of a high-end standard system for manufacturing.*

43. Promote the development of the standard system for industrial foundation, intelligent manufacturing, green manufacturing and service-oriented manufacturing.
44. Formulate standards for intelligent manufacturing equipment, digital workshops, intelligent factories, industrial software and other standards, and carry out the construction of an intelligent manufacturing standard system in subdivided areas.
45. Improve the management standard system for the integration of the two technologies and promote the construction of an industrial Internet standard system.
46. Promote the construction of independent nuclear power standard system.
47. Promote the development of standards for marine engineering equipment and high-tech ships, advanced rail transportation, intelligent transportation systems, aviation, satellite space infrastructure, commercial space and other fields.
48. Carry out the development of intelligent automobile standards such as automobile information security, automobile operating system, communication protocol, etc.
49. Promote the development of new energy vehicle safety, wireless charging, high-power charging, fuel cells and battery recycling and other related standards.
50. Improve the system of green packaging standards, revise the national standards for restricting over-packaging of commodities, and formulate standards such as grading evaluation of packaging suitability.
51. Accelerate the upgrading of standards for iron and steel, non-ferrous metals, building materials, chemical industry and civil explosives, and eliminate low-end products and backward production capacity.
52. Continue to carry out piloting operations for manufacturing standards for adding materials, and develop standards for special materials, processes, equipment, testing methods, etc.
53. We will deepen the piloting of new material standards and promote the development of

standards in carbon fiber, rare earth, graphene and other fields.

54. Continue to carry out the national high-end equipment manufacturing standardization pilot.

*(5) Building a new generation of information technology and biotechnology standard system.*

55. Promote the development of standard systems in key areas such as block chains, the Internet of Things, new cloud computing, big data, 5G, new generation of artificial intelligence, new smart cities and geographic information, and prepare and issue relevant guidance documents.

56. Speed up the development of standards such as article coding and automatic identification. Develop codes for military and civilian materials and equipment, and promote the construction of a system of codes for military and civilian materials.

57. Perfect ultra-high definition video, new display, virtual (enhanced) reality and integrated circuits. We will improve the network security standard system and study and formulate national standards for network security in key information infrastructure security, data security, personal information protection, network security review and other fields.

58. Accelerate the preparation and revision of basic standards such as biological sample banks, tool enzymes and biochemical tests, and encourage the formulation of common and application standards in biotechnology applications such as biological products, advanced medical equipment and bio-based materials.

*(6) Improve the service industry standard system.*

59. Upgrade the standards system for producer services and develop standards for e-commerce, green finance, social credit, modern logistics, logistics information services, and modern supply chain services.

60. Establish and improve the quality and safety traceability standard system for e-commerce trading products, and develop national standards for e-commerce trading products such as information classification, code identification, information release, quality traceability, etc.

61. Carry out standard research, supply and standardization pilot work in the field of integration of advanced manufacturing and modern service industries.

62. Guiding opinions on the standardization of express green packaging will be issued to speed up the formulation of a number of national standards.

63. Improve the standard system for domestic service, carry out a pilot project to standardize

domestic service, revise national standards for domestic service and tourist resorts, and develop new business standards for domestic education and training services, sports tourism, and urban travel services for digital transportation applications.

64. Build a basic public service standard system to coordinate urban and rural areas. Develop and issue a number of standards in such areas as urban and rural community services, childcare services, pension services, social insurance, public health, public culture, public legal services, nationwide fitness programs and services for the disabled.
65. Carry out special pilot actions for the standardization of pension services, promote the pilot construction of national basic public service standardization, and do a good job in summing up experience and promoting it.

(7) Strengthen the standardization of social governance.

66. Optimize the system of government service standards and speed up the development of standards for "good and bad reviews" of government services, a national integrated government service platform, and openness of government affairs at the grassroots level.
67. Promote the development of standards for business environment assessment, protection of market players, administrative enforcement and supervision, and carry out pilot projects for standardization of business environment.
68. Formulate a number of urgent standards for emergency management such as fire fighting, safe production, earthquake disaster risk prevention and control, individual protection, and rescue materials and equipment.
69. Improve the application standard system for public safety video surveillance networking, and promote the formulation of social safety standards such as explosives safety and criminal technology.
70. Promote the formulation of national standards in the fields of meteorology, surveying and mapping, and improve the unified social credit code series standards.

(8) Speed up the construction of ecological civilization standard system.

71. To formulate and revise standards in the fields of coping with climate change, natural resources investigation, monitoring and comprehensive utilization, green mine construction, green product evaluation, marine investigation and utilization, ecological protection and restoration, seawater desalination and comprehensive utilization, etc.
72. Optimize and improve standards for pollutant emissions and environmental quality, raise standards in areas such as energy efficiency, energy consumption and water efficiency, and improve standards systems in transportation and energy conservation areas such as

vehicle fuel consumption.

73. Promote the upgrading of traditional energy standards such as coal and oil products, and improve the full-chain standard system for the storage and transportation of clean energy products such as hydrogen and natural gas.
74. Promote the development of important standards such as grid connection of new energy power generation, power storage, energy internet, port shore power, power demand side management, etc.
75. Issue standards for the construction of ecological civilization with local characteristics to support the construction of ecological civilization experimental zones in Fujian, Jiangxi, Guizhou and Hainan.

*(9) Further improve the national standard sample system.*

76. Carry out the cleaning of existing national standard samples and plans, and further improve the national standard sample system in combination with the requirements of product quality standards and testing method standards.
77. Focus on key areas such as agriculture and rural areas, consumer goods, resources and environment, biotechnology, equipment and materials, and intensify the development of standard samples.

**IV. Participate in international standards governance, improve the level of internationalization of standards**

*(1) In-depth participation in the governance of international standards organizations.*

78. Actively perform the duties as permanent members of ISO and IEC, provide good service support for the IEC chairman to perform his duties and fulfill his duties. Share China's practice and propose China's plan in the governance reform and improvement of the governance capacity of international standards organizations.
79. In terms of sustainable development, participation of developing countries, regional balance, and formulation of technical rules, it actively participates in the deliberation and decision-making of international standards organizations and promotes international standards to play a greater role in international trade and global governance.

*(2) Promoting international standards to be discussed and shared extensively*

80. Give full play to the organization and coordination role of the ISO and IEC China National Committees, carry out extensive international cooperation in the fields of new energy, new materials, quantum computing, digital twins, intelligent manufacturing, industrial

construction and engineering construction, accelerate the transformation of China's dominant technical standards to the international ones, and continuously promote the release of the Chinese version of ISO and IEC standards.

81. Actively participate in the formulation of international standards, put forward more proposals for international standards, promote the establishment of new international standards organizations and technical institutions, improve the working ability and level of China's technical institutions responsible for international standards organizations and the secretariat, and continuously make new contributions to the improvement of the international standards system.

(3) Promoting standard connectivity.

82. Promote the establishment of a standardized cooperation mechanism for BRICS countries, continue to deepen the construction of cooperation mechanisms with the European Union, the African Union, ASEAN, Northeast Asia, Central Asia and South Asia, and strengthen bilateral cooperation with France, Germany, Britain, the United States, Canada, Russia, Saudi Arabia and other countries.
83. Strengthen the exchange of information on standards between China and foreign countries, carry out practical standardization cooperation in professional fields, promote mutual comparison, recognition and adoption of standards between China and foreign countries, and promote compatibility of standards systems.
84. Implement the action plan for foreign language versions of Chinese standards and accelerate the formulation of mandatory foreign language versions of national standards.
85. Implement the action plan for connecting and building "the belt and road initiative" and promoting soft-connection of standard in the development of "the belt and road initiative".

(4) Actively adopt international standards

86. Carry out the transformation of international standards and promote the transformation and application of advanced and applicable international standards in China.
87. Speed up the conversion of relevant international and domestic standards for epidemic prevention and control, to promote the convergence of export products based on standards and domestic standards, and to support foreign trade export enterprises to resume production.
88. Establish a mechanism for tracking, transforming and evaluating international standards and push forward the simultaneous development of national standards and international standards.

89. Strengthen the verification of international standard transformation tests to improve the scientificity and effectiveness of international standard transformation.

**V. Strengthen scientific management, improve the efficiency of standardized governance**

*(1) Strengthen the development of standardization system*

90. Accelerate the improvement of the regulatory system supporting the standardization law, push forward the revision of the regulations for the implementation of the standardization law, and push forward the revision of the national standards, industry standards, group standards, national standard samples and other regulatory systems.

91. Strengthen the management of domestic counterparts of international standards organizations, and study and formulate performance evaluation methods.

92. Formulate and improve the system for all regions and departments to cooperate with the standardization law.

93. Study and promote the construction of management systems such as regional coordination of local standards and local standards for cities divided into districts.

*(2) Strengthen the interactive support between standardization and scientific and technological innovation.*

94. Actively strive for scientific and technological plans to support the development and application of technical standards, and improve the mechanism for rapid establishment of standards in major scientific and technological projects.

95. Strengthen the services provided by the national technological standards innovation base for scientific and technological research and development, and accelerate the transformation of scientific and technological achievements into technological standards.

96. Speed up the layout of standard verification points and build a technical support system for standard verification. To carry out the construction of a comprehensive experimental verification platform for basic universal, cross-industry and other important national standards.

97. Organize and carry out the selection and commendation of China Standard Innovation Contribution Award.

*(3) Improving the efficiency of revising the standard system.*

98. Full implementation of the national standard project virtual review system, improve the

efficiency of the standard review. To strengthen the reevaluation of the national standard plan, timely adjustment of overdue projects.

99. Further optimize the revision process of the national standard system, refine the procedures for the formulation of common standards for the military and civilian, explore the establishment of a dispute settlement mechanism for the revision of the standard system, deepen the reform of the system of integration of review and compilation, establish a regular reporting system for project progress, and reduce the revision cycle of the national standard system to 24 months.

(4) Optimize the management and services of the technical committees.

100. Promote the normalization and institutionalization of technical committee assessment and carry out the 2020 annual technical committee assessment.
101. Select some areas to carry out the optimization and reorganization of standardization technology organizations, increase the joint efforts of military and civilian standardization technology organizations, and better adapt to the needs of technological innovation and industrial development.
102. Improve and perfect the Standardization Working Group (SWG) mechanism to promote innovation in technology organization and management.
103. To establish a mechanism for the parallel development of domestic and international standards organizations' technical institutions, so as to realize the mutual connection of international and domestic technical institutions.

(5) Strengthening the implementation and application of standards.

104. Further play the main role of standards in quality infrastructure, promote the coordinated development of standards and metrology, certification and accreditation, inspection and testing, and strengthen the effective implementation of standards through the integrated application of NQI.
105. Carry out research on standardized statistical index system, explore the establishment of a standardized statistical monitoring system, and pay attention to the application and implementation of standards in quality supervision and spot checks, law enforcement and inspection, credit supervision and other work.
106. The keep the channel open for feedback of implementation of standards, improve the function of feedback platform, and carry out information statistical analysis.
107. Study and formulate standard implementation effect evaluation methods, carry out implementation effect evaluation, and strengthen the application of evaluation results.

*(6) Improve the standard information consulting services.*

108. Standardization technical organizations and institutions are encouraged to provide consulting on standardization and other standard technical services around the resumption of work and production of enterprises.
109. Optimize the national standard full-text disclosure system, deepen the co-development and sharing of standard information resources between the military and civilian, and provide more comprehensive and convenient services to the public.
110. Using big data, cloud computing and other means, accelerate the research and development of standard information services and platform construction, and provide personalized and customized services to the government and the market.
111. Closely follow up the information of international standards and foreign advanced standards to provide timely and accurate services for facilitating economic and trade exchanges and international capacity cooperation.

*(7) Strengthen the construction of standardization talent team.*

112. Actively promote standardization education and personnel training, support more colleges and universities to carry out standardization general education, encourage qualified colleges and universities to set up standardization major. Strengthen standardized vocational education and train standardized professional skilled personnel.
113. Improve the standardized teaching material system and strengthen the construction of standardized teaching staff.
114. To carry out the standard into the campus activities, popularization of standardized popular science propaganda. Actively organize and carry out national youth standard competition activities.
115. To strengthen the training of grassroots standardization management personnel and improve the standardization business ability.
116. Promoting and co-constructing standardized education cooperation in "the belt and road initiative" countries.
117. Give full play to the role of an international standardized training base and carry out various types of international standardization talent training.