



# SESEC V Translation

## Translation by China Standardization Magazine: Key Points for the National Standardization Work in 2024

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(SESEC)

## Introduction

On February 19, 2024, the Standardization Administration of China (SAC) released the Key Points for National Standardization Work in 2024 (hereinafter referred to as the Key Points). This document holds great significance as China aims to further implement the National Standardization Development Outline (hereinafter referred to as the Outline) and achieve its development goals by 2025. The Key Points consist of six major areas of action, outlining a total of 90 specific tasks. The following is the translation of the document by China Standardization Magazine.

**DISCLAIMER:** This translation is produced by China Standardization Magazine and may be used only for reference purposes. This English version is not an official translation of the original Chinese document. In cases where any differences occur between the English version and the original Chinese version, the Chinese version shall prevail which can be found [here](#). SESEC shall accept no responsibility or liability for damage or loss caused by any error, inaccuracy, or misunderstanding with regard to this translation.

# Key Points for the National Standardization Work in 2024

The year 2024 is crucial for China to further implement the National Standardization Development Outline and achieve the development goals by 2025. The overall requirements of the national standardization work in 2024 are as follows: under the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, we will fully adhere to the spirit of the 20th CPC National Congress and the Second Plenary Session of the 20th CPC Central Committee, and earnestly put the deployments of the Central Economic Work Conference in place.

Achieving high-quality development is the top priority of the new era, and advancing Chinese modernization is the most important task. We will implement the new development philosophy in a complete, accurate and all-round way, strengthen the supporting role of quality and guiding role of standards, and thoroughly push forward the implementation of various major tasks in the Outline.

To meet the requirements of the National Market Regulation Work Conference, we will use standards to vigorously lead the modern industrial system building, expand domestic demand, raise the level of opening up, and balance development and security. We will make standardization better serve the high-quality economic and social development, and realize the development of standardization undertakings, contributing to the establishment of a strong nation and the rejuvenation of the Chinese nation in all respects with Chinese modernization.

## I. Putting effort into expanding domestic demand, and accelerating a new round of standards upgrading

1. Lose no time in revising a batch of mandatory national standards for energy consumption limit and energy efficiency of products and equipment, develop and revise the standards for pollutant discharge in major industries such as pesticide, starch, petrochemical and uranium mining and metallurgy, and lead the upgrading and transformation of traditional industries.
2. Strengthen the development and implementation of mandatory national standards for security-related key industrial products and special equipment, and achieve the goal of “maximizing the number of mandatory standards when it is necessary”.
3. Drive the standards upgrading in the fields including agricultural machinery equipment and numerical control machine tools, and promote the upgrading and transformation of equipment and materials in a high-end, intelligent and green way.
4. Prepare in advance a batch of new standards in new energy storage, hydrogen energy, security emergency equipment and other areas to lead the development direction of industries, and actively create new business forms and new models.
5. Accelerate the upgrading of quality and safety standards for household appliances, furniture, decorative materials and other products, and develop standards related to energy and water efficiency of household appliances and recycling of waste and used household appliances to facilitate the upgrading of consumer goods.
6. Upgrade the standards on intelligent, green and service-oriented manufacturing, improve the standards system for the integration of informatization and industrialization, and expedite the development of standards on digital transformation.
7. Promote the standards on new infrastructure including new data centers and electric vehicle charging facilities.
8. Enhance the standards development in the areas such as high-end consumer electronic products and green products to meet the demands of high-end and green consumption.

9. Improve the standards on elderly-oriented products including furniture, household appliances, equipment and internet appliances, and rehabilitative assistive devices to ensure that the elderly live a comfortable life.
10. Perfect the standards in catering, housekeeping, tourism, culture, entertainment, fitness and other areas to boost the confidence of service and consumption.

## **II. Cultivating the new edges of international competition and cooperation, and vigorously implementing the project for improving the internationalization of standards**

11. Actively participate in the governance of ISO, IEC, ITU and other international standards organizations, and contribute Chinese wisdom in the aspects such as the implementation framework, evaluation framework and roadmap of strategies.
12. Revise the Administrative Measures for Participating in International Standardization Activities of ISO and IEC.
13. Encourage various parties to participate in more activities of international professional organizations.
14. Push forward the establishment of new technical bodies within international standards organizations in cultural heritage protection, digital marketing and other areas.
15. Submit a series of international standards proposals in the fields such as climate change, financial services, digital economy, new energy, aerospace, shipping, and Chinese medicine.
16. Focus on key and emerging technology areas including carbon peak and neutrality, artificial intelligence, quantum technology, and increase the number of experts registered in international standards organizations.
17. Explore the team building for international standardization innovation in key areas such as new energy vehicles, new power systems and new-generation information technology to strengthen the establishment of international standardization talent pool.
18. Implement a batch of cooperation projects on standardization capacity building, carry out standardization training and cooperation with a focus on regions including the ASEAN, Central Asia, South Asia and Africa, to enhance the mutual learning and reference of standards among countries.
19. Strengthen the communication and dialogue on standards information, further improve the Standard Information Platform Contributed by the Belt and Road Countries, carry out the interconversion of standards, and continuously promote the mutual recognition and cooperation of Chinese and foreign standards in electric vehicles, agriculture, electric power and other fields.
20. Promote the organization of the Parallel Session on International Standardization at Hongqiao International Economic Forum to establish the high-end standardization dialogue platform.

## **III. Making great efforts to build the modern industrial system, and focusing on launching major landmark projects on stabilizing industrial chain with standards**

21. Improve the industrial basic standards systems on core parts and components, key basic materials, advanced basic industry, industrial technological basis and other aspects, and expedite the development of industrial software standards on industrial design, industrial simulation, database and others, to lay a solid foundation for high-quality industrial development.
22. Accelerate the development of standards for special materials in additive manufacturing, testing of key metal parts and others to boost the popularization and use of additive manufacturing.
23. Release and implement the standards for rare earth concentrate, rare earth smelting and extraction, high-end rare earth processing, and recycling of rare earth resources, and speed up the development of standards for recycled materials such as recycled raw materials of iron and steel, raw materials of recycled high

temperature alloy, recycled plastic and rubber.

24. Focus on the development of standards for integrated circuits such as core interconnection interfaces, electronic design automation tools and others, and accelerate the standards system building for full industrial chain covering the design, manufacturing and closed beta test of integrated circuit.

25. Promote the development of standards for the information safety of robot reliability, requirements of typical scenario application and others to promote the scenario application of industrial and agricultural robots.

26. Develop a batch of national standards on large-scale application of BeiDou Navigation Satellite System (BDS), and extend the value chain of large-scale application of BDS.

27. Carry out the development of standards for new-generation information technologies such as cloud computing, block chain and big data to cultivate and expand emerging industries.

28. Centering on the safety of generative artificial intelligence, enhance the development of safety standards for key links such as service safety, manual label safety, pre-training, and optimizing training data safety.

29. Centering on the safety of aided driving of intelligent connected vehicles, develop and implement the serial safety standards on advanced driver assistance system (ADAS).

30. Develop the standards for the electrification of construction machinery such as excavators, loaders and dump trucks to drive the transformation of construction machinery electrification.

31. Develop the standards for interconnection framework, cloud-edge collaboration, local interconnection, product evaluation and other aspects of smart home to achieve the interconnection of smart home.

32. Coordinate the national standardization pilot and demonstration programs in a well-planned manner, and synchronously promote technological breakthrough, standards development and industrial promotion.

33. Step up the coordination and interaction of upstream and downstream standardization technical bodies, and comprehensively apply the standards at various levels to build the chain of standards suitable for the industrial chain.

34. Release a batch of typical achievements for stabilizing the industrial chain with standards, organize and hold meetings for experience sharing and on-site promotion, and provide the standardized paradigm that can be replicated and promoted.

#### **IV. Speeding up the establishment of the unified national market, continuing to improve the new standards system, and laying emphasis on standards application.**

35. Continue to improve the national standards system and sectoral standards system by carrying out the pilot project of optimizing standards systems in key areas such as non-ferrous metals, plastic, earth-moving machinery, metal-cutting machine tools and wind power equipment, and making greater efforts to integrate, revise, develop and abolish a group of standards combined with the development demands of sectors.

36. Normalize the development and application of local standards, sort out existing standards, strictly control new standards, examine and rectify the problems of local policies that improperly cite local standards and influence fair competition, and clear up local standards that are developed out of scope or with non-compliant technical contents.

37. Develop national standards for credit commitments of operating entities, classification of untrustworthy information, and credit evaluation of individual businesses, promote the orderly sharing and efficient use of evaluation information, and support multi-departmental joint supervision of untrustworthy behaviors.

38. Optimize the standards system for product defect and safety management, and strengthen the

development of key standards for the safety assessment and defect analysis of cutting-edge technologies.

39. Promote the construction of a coordinated and supporting national standard reference material system, increase the development of standard reference materials in key fields such as green ecology, biotechnology, metal and non-metallic materials, and energy, and enrich the types and quantities of standard reference materials.

40. Develop national standards for the fair competition and compliance management of operators to provide guidance for fair competition and compliance management.

41. Improve the standard and specification system of integrated platform network on market regulation, and develop the management specifications for institutions with access to the integrated platform network.

42. Carry out the survey of standards implementation data, make an assessment plan for statistical analysis points of mandatory standards implementation, and establish a dynamic management mechanism.

43. Promote the regular statistical analysis of the implementation of mandatory national standards in all regions, departments, and statistical analysis stations.

44. Establish and improve the incentive mechanisms of the citation of standards in laws and regulations and standards implementation, strictly implement the self-declaration disclosure and supervision system of enterprise standards, and enhance the basic supporting role of standardization in economic and social development.

45. Strengthen the management of national standardization pilot and demonstration projects, coordinate the layout and system construction, and strengthen goal orientation and effect evaluation, to make the pilot projects play a strong leading and demonstration role.

46. Vigorously promote the evaluation of standards implementation effect, form a batch of evaluation methods and models for standards implementation effect, and promote a number of typical examples of standards implementation effect.

47. Establish a standardization innovation activity index model, and publish the national, local and enterprise standardization innovation development reports in phases.

48. Explore the establishment of the standards system for ecological protection and high-quality development in the Yellow River Basin and the ecological civilization standards system in the Yangtze River Economic Belt, promote the development of mandatory standards for water quota of high water-consuming industries in the Yellow River Basin, and improve the “3+2” standardization strategic collaboration mechanism in North China, improve the regional coordinated local standards management system of the Yangtze River Delta, and release a batch of regional coordinated local standards.

49. Focus on food, transportation, modern service industries, water-related affairs and other areas for the common needs in the Guangdong-Hong Kong-Macao Greater Bay Area (GBA), and publish a batch of GBA standards.

50. Build a common service platform for cross-Strait standards to provide standards information services to people on both sides of the Taiwan Strait.

51. Carry out urban standardization actions, and promote the construction of international standardization innovative cities and comprehensive pilot projects for urban standardization innovation.

## **V. Building a new open economic system at higher level and steadily expanding the institutional opening up of standards.**

52. Focus on key areas such as consumer goods, manufacturing, new infrastructure, and carbon peak and neutrality, actively adopt advanced and applicable international standards, and improve the consistency of

domestic and international standards.

53. In line with the cooperation needs of countries along the Belt and Road in the fields of industry, trade, science and technology, and engineering construction, speed up the translation of foreign language versions of Chinese standards, and increase the overseas application and mutual recognition of Chinese standards.

54. Accelerate the coordination with relevant rules such as the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP) and the Digital Economy Partnership Agreement (DEPA), and promote the integration with international high-standard economic and trade rules.

55. Study and formulate the guidance on steadily expanding the institutional opening up of standards, and promote the high-level opening up with high standards.

56. Improve the correspondence between national standardization technical committees (TCs) and international TCs, and increase the proportion of Chinese TC members serving as experts involved in international standards development.

57. Support free trade pilot zones/ports to carry out the pilot work for institutional opening up of standards, and prioritize the construction of institutional systems and regulatory models that are geared to international high-standard economic and trade rules.

58. Promote the international development of China's association standards organizations, and support enterprises, social groups, research institutions and others to actively participate in and cultivate international standards organizations.

59. Give better play to the role of multilateral and bilateral mechanisms between China and Europe, Northeast Asia, Russia, ASEAN, Germany, France, and the U.K., and carry out the practical cooperation on standardization.

60. Actively expand cooperative partnerships with relevant countries in the Arab region, Africa, America and other regions, and sign more standardization cooperation documents.

61. Establish the Sino-U.S. intergovernmental standards and conformity assessment dialogue mechanism to strengthen standardization cooperation and exchanges.

62. Propose more standardization cooperation issues on cooperation platforms such as APEC, Shanghai Cooperation Organization, and BRICS. Plan to achieve more standardization results under the mechanisms and frameworks such as the Belt and Road Forum for International Cooperation.

## **VI. Realizing the high-quality development of standardization undertakings, consolidating the foundation of standardization development, and expanding the influence of standardization.**

63. Revise the Administrative Measures for National Standardization Instructional Technical Documents, Administrative Measures for Agriculture and Rural Affairs, and Administrative Measures for International Standards Adoption, and promote the development of measures to manage association standards.

64. Explore to establish the annual report system of sectoral standard codes.

65. Vigorously implement the plan on cultivating excellent association standards, carry out the evaluation of the capability of association standards bodies.

66. Formulate and implement administrative measures to reinforce the supervision of standards implementation, continuously promote the administrative mode of "random spot check, random selection of inspectors, and public disclosure of results" for association standards and enterprise standards, as well as reinforce the supervision and spot check of sectoral standards and local standards.

67. Implement the Measures to Promote Standardization in Enterprises, and deeply promote the self-

declaration disclosure and supervision of enterprise standards.

68. Accelerate the development of guidelines on prompting the interactive development of standardization and technological innovation.

69. Comprehensively establish and scientifically manage various standardization technical bodies at all levels, and cultivate a batch of standardization project research groups and standardization technical organizations for cutting-edge technologies and emerging fields such as ESG.

70. Vigorously promote the research on digital standards, and carry out the pilot work of digital standards.

71. Deeply implement the liaison mechanism for technical organizations, and smooth the communication among and within technical organizations.

72. Keep carrying out the evaluation of national standardization technical committees and domestic counterparts of international standards organizations, strengthen the application of results, and achieve their dynamic management.

73. Organize the selection and commendation activities of China Standards Innovation and Contribution Award.

74. Foster over 300 standards innovation enterprises.

75. Continue to hold the Private Economy Standards Innovation Week.

76. Encourage enterprises to actively become the forerunners of enterprise standards, and launch the action of standards comparison and conformity.

77. Make efforts to build national standardization pilot and demonstration projects in fields including agriculture and rural affairs, intelligent manufacturing, circular economy, services, and social administration.

78. Fully utilize the resources of think tank, the China Standardization Expert Committee, to bolster fundamental theoretical research on standardization, design of technical paths, and research on development trends.

79. Thoroughly implement the Special Action Plan on Standardization Talent Cultivation (2023-2025), perfect the vocational classification system and vocational standards related to standardization, and promote the vocational construction of standardization talents.

80. Initiate the classified statistics of standardization talents nationwide, and build a national talent pool for classified cultivation.

81. Bolster the development of majors related to standardization in China's higher education institutions, support qualified vocational colleges to set up the major of standardization technology, and strengthen the cultivation of talents for standardization application; put more efforts in the cultivation of international standardization talents, expanding the talent pool; select and train standardization directors in enterprises.

82. Organize the professional training for standardization managers to enhance the promotion and interpretation of standardization policies.

83. Enrich the course resources of online standards lessons and online lectures for committee members, devote more efforts to the compilation and publication of standardization textbooks, and cultivate the professional talent team for standardization.

84. Comprehensively utilize various media and platforms, and promote achievements of standardization work through expert forums, internal publications, Weibo accounts, public WeChat accounts, and applications.

85. Continue to bolster the implementation of the Outline, and summarize and promote innovative practices

and useful experiences of the implementation.

86. Carry out the publicity and interpretation of key national standards, and strengthen the authority and influence of national standards by diverse forms including illustrations and videos.

87. Hold activities for the World Standards Day, and widely advocate standardization to create a sound atmosphere for standardization work.

88. Approve the establishment of a batch of national technical standards innovation bases, revise the Administrative Measures for National Technical Standards Innovation Bases, enhance the establishment and management of the bases, simultaneously advance the technological breakthroughs, standards development and industrial promotion, and include advanced and applicable technological achievements in standards to improve the level of standards.

89. Approve the establishment of a batch of national standards verification stations, and formulate measures for their construction and management.

90. Consolidate and deepen the achievements of theoretical study program, and facilitate the in-depth implementation of the Outline with a strong sense of responsibility.

## Introduction of SESEC Project



The Seconded European Standardization Expert in China (SESEC) is a visibility project co-financed by the European Commission (EC), the European Free Trade Association (EFTA) secretariat and the three European Standardization Organizations (CEN, CENELEC and ETSI). Since 2006, there has been four SESEC projects in China, SESEC I (2006-2009), SESEC II (2009- 2012), SESEC III (2014-2017), SESEC IV (2018- 2022) and SESEC V (2022-2025). Dr. Betty XU is nominated as the SESEC expert and will spend the next 36 months on promoting EU-China standardization information exchange and EU-China standardization cooperation.

The SESEC project supports the strategic objectives of the European Union, EFTA and the European Standardization Organizations (ESOs). The purpose of SESEC project is to:

- **Promote European and international standards in China;**

- **Improve contacts with different levels of the Chinese administration, industry and standardization bodies;**
- **Improve the visibility and understanding of the European Standardization System (ESS) in China;**
- **Gather regulatory and standardization intelligence.**

The following areas have been identified as sectoral project priorities by the SESEC project partners: Internet of Things (IoT) & Machine-to-Machine(M2M) communication, communication networks & services, cybersecurity & digital identity, Smart Cities (including transport, power grids & metering), electrical & electronic products, general product safety, medical devices, cosmetics, energy management & environmental protection (including eco-design & labeling, as well as environmental performance of buildings).