



China Standardization as of Sept 2024

Sector Summary

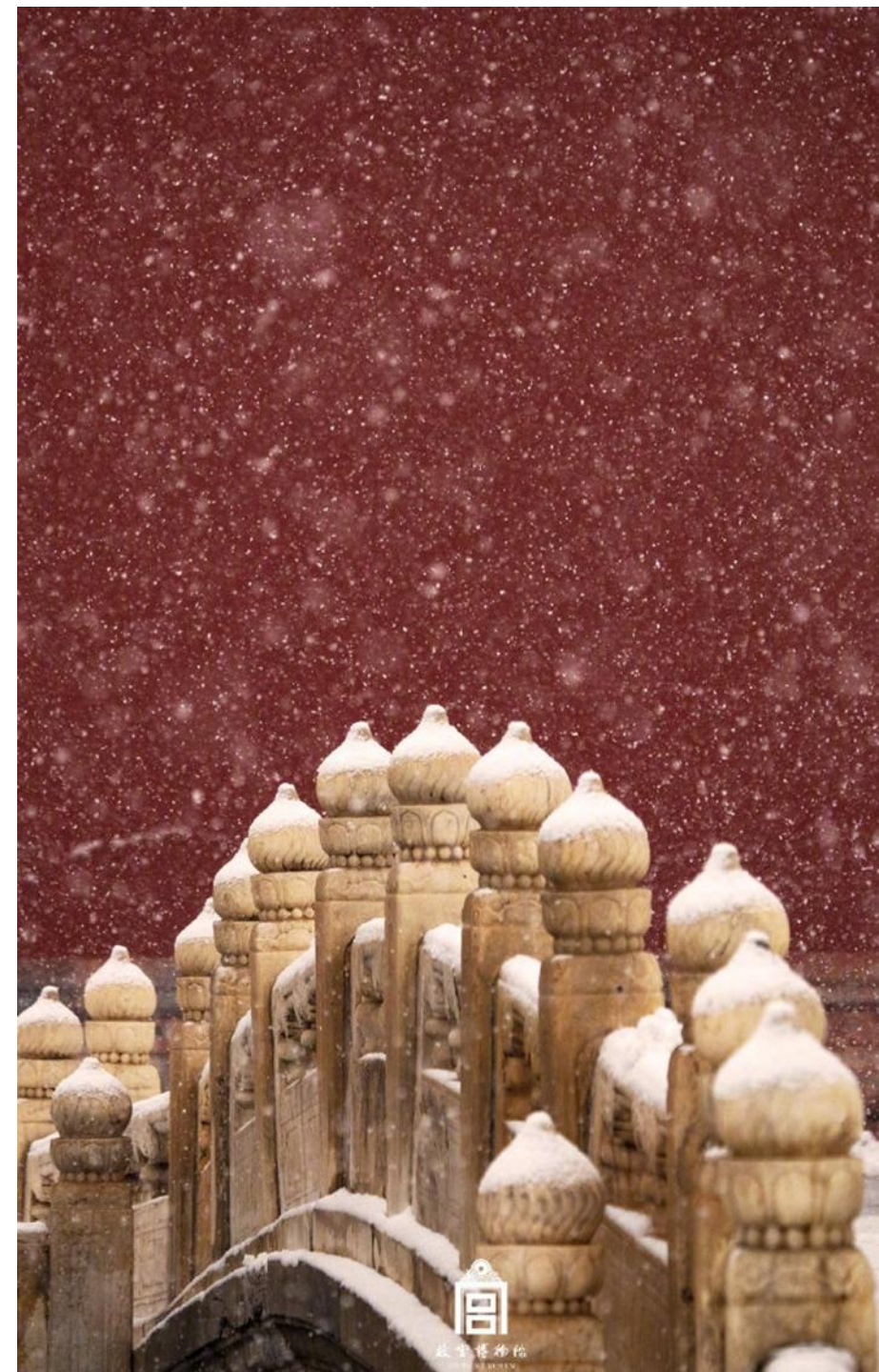
23 October 2024



Chinese Standardization Strategy – Three Years after Implementation

Chinese Strategic Approach to Standardization

- China Standardization – Heavily government-controlled system
- China Standardization Law 2017 (market-driven introduced)
- Chinese Strategic Approach to Standardization
 - Standards to enforce product quality improvement
 - Standards to Boost Indigenous Innovation
 - Standards to support Regulations and Certifications
 - Chinese Standards Go Global
 - Chinese Standards Supporting BRI Initiative
- China Standards 2035 & China National Standardization Strategy Outline
 - More actions and full set of governance by Standards



5 Directions

Standards drive high-tech innovation

Promote the interaction between standardization and scientific and technological innovation, and strengthen research on standards in key technological areas.



Direction 1 & 2

Standards lead the high-end industry

intensify the development and application of general basic standards, and promote comprehensive standards across industries

SESEC observed that these two directions have become the standards development strategies when a standard proposal is approved



Outline for the Development of National Standardisation

5 Main Directions: 3-5



Standard support efficient governance

Rural revitalization, social governance, digital society, carbon peak, carbon neutral

Standards promote high level openness

Deepen bilateral and multilateral international exchanges and cooperation; Participate in international standardization activities

Standards guarantee high quality of life

Strengthen standardization of public security;
Food, medicine, safety in production

SESEC observed these were implemented into some management and services standards

Subsequent key regulation and policies

On 23 February 2022, SAC and other 16 ministries and national associations jointly issued the ***Opinions on Promoting the Sound Development of Association Standards***.

On 6 July 2022, SAMR and other 15 ministries jointly released the ***Action Plan for Implementing the ‘National Standardization Development Outline’***, proposing 33 actions to facilitate the implementation of the tasks specified in the Outline.

On 22 September 2022, SAMR released the ***revised Administrative Measures for National Standards***.

On 6 February 2023, CPC’s Central Committee and the State Council released ***the Outline for Constructing the ‘Quality Power Country’***.

On 18 March 2024, SAMR and other 15 ministries updated the ***Action Plan for Implementing the ‘National Standardization Development Outline’***, setting out standardization priorities for the period of 2024-2025.

Latest progress

A. Seven Projects

Systems	Latest Progress
High-end equipment manufacturing standardization	<p>Ongoing.</p> <ul style="list-style-type: none">Standards in those key sectors are under development by corresponding technical committees and competent governmental authorities.Enterprise Standards ‘Top Runners’ Program: SAMR has identified Key Sectors for 2024; CNIS released the <i>Enterprise Standard Top Runner Work Guide (trial)</i>.National Standards: <i>Key Points of National Standardization in 2024</i>
Standardization pilot projects for emerging industry	
Standardization for enhancing the stability of industrial chain	<p>Ongoing.</p> <p>Latest progress on standardization used for industrial chain stability is not limited to those specified industries and categories. Either they develop individual standards, or they establish standard systems. The industries that is recorded for their progress in relevant standardization <u>include but not limited to</u>:</p> <ul style="list-style-type: none">Internet of Vehicles (ongoing: MIIT keeps updating the <i>Guidelines for Developing Standard System for ICV</i>)Photovoltaic industry (ongoing: MIIT released the <i>Notice on Promoting Coordinated Development along the Photovoltaic Industry Chain</i>)Lithium-ion Battery Industry (MIIT released the <i>Notice on Promoting Coordinated Development along the Lithium-ion Battery Industry Chain and Supply Chain</i>)Industry Data (MIIT released the <i>Guidelines for Developing Industry Data Security Standard System</i>)Vehicle Chips, Industrial Internet, etc.

Latest progress

A. Seven Projects

Systems	Latest Progress
Standardization for carbon peak and carbon neutrality	<p>On going.</p> <ul style="list-style-type: none"> • MIIT: <i>Guidelines for Establishing the Green and Low-carbon Standards System for the Communications Industry (2023 Version)</i> • MIIT: <i>Guidelines on Construction of the Standards System for Carbon Peak and Neutrality in the Industrial Sector.</i> • SAMR: <i>Notice on Calling National Standard Projects on Carbon Peak and Carbon Neutrality in 2024</i> • MIIT called for Standard Projects in the Topic of Carbon Footprint for “New Three” Products (photovoltaic products, lithium-ion batteries, and electric vehicles) in March 2024 • ESG Standardization Project Research Group established in April 2024 • MIIT: Carbon footprint accounting system for lithium batteries in June 2024 • SAC: <i>Action Plan on Dual Carbon Standardization and Metrology</i> in July 2024
Standardization for public safety	<p>On going.</p> <ul style="list-style-type: none"> • <i>MEM released the 14th Five-Year Plan for Standardization Development for Emergency Management</i> • SAC and other 10 ministries: <i>Guiding Opinions on the implementation of public safety standardization bottom-building projects</i>
Standard system for basic public services	<p>Ongoing. Standards Development + Standardization Pilot Projects.</p> <ul style="list-style-type: none"> • State Council: <i>Guiding Opinions on Accelerating the standardization and facilitation of government services</i> • NDRC and 9 other ministries: <i>National Fundamental Public Service Standards (2023)</i> • SAC: <i>Comprehensive Pilot project on standardization of social management and public services</i>
Increase China’s participation in international standardization activities	<p>Ongoing.</p> <ul style="list-style-type: none"> • Various cooperation and exchanges activities. E.g. China-ASEAN Cooperation Dialogue on Automotive Standards, MoUs on Standardization Cooperation between China and Laos, Indonesia, Australia, etc. • Taking the lead in various international standards development • Chinese experts take positions as chairs and convenors. • Incubation or training programs for cultivating relevant personnel

Latest progress

B. Five Actions

Actions	Latest Progress
Standardization of new type of infrastructure	Ongoing. E.g. MIIT issued the <i>Action plan for Computing infrastructure High-Quality Development</i> in 2023; MIIT and 10 other ministries jointly published the <i>Notice on Matters related to Promoting Coordinated Development of New information infrastructure</i> in 2024;
Standardization for rural revitalization	Ongoing. E.g. SAC and 3 other ministries jointly issued the <i>Guidelines for Digital village standard system construction</i> in 2022; SAC and 2 other ministries jointly issued the <i>Standardization action plan for rural revitalization</i> in 2023 by three ministries; CESI developed the <i>Digital Village Standardization White Paper (2024)</i>
Urban Standardization	Ongoing. E.g. 6 ministries jointly released the <i>Action plan for urban standardization</i> in 2023; standards development for building smart cities and sustainable cities: TC 567 working on standards in both two areas; <i>White Paper on Smart City Standardization (2024 edition)</i> to be published by the National Smart City Standardization General Group
Standardization of social governance	Ongoing. E.g. the National Public Administration and Services Standardization Technical Committee (SAC/TC 594) is established; CNIS released the <i>Report on Evaluation Index of Digital Government Standardization Construction</i> ; Pilot trials projects implemented: SAC organizes pilot trials projects on standardization for social governance and public services every year.
Standardization of elderly care and housekeeping services	Ongoing. E.g. MCA, MoFCOM and SAC jointly released the <i>Dedicated Action Plan on Standardization of Elderly Care and Housekeeping Services</i> in December 2022

Latest progress

C. Eight Systems

Systems	Latest Progress
System for innovation-oriented standard development at enterprise level	No progress
Financing and credit system for standard development	Yes, at provincial level, some provinces developed mechanism that makes standard development a business credit for enterprises to apply for bank loans
System for adoption of standards in regulations	Yes, the launch of the Research Project on Technical Regulations based on Rule of Law, National Governance, and Global Governance financed by National Social Science Fund of China. It will explore the mechanism of technical regulations that connect laws and standards.
System for adoption of standards in policies	No progress
Standard copyright system	Yes. 1. <i>Administrative Measures for National Standards</i> clarified the SAC's copyright of national standards and the official foreign translation; and specified the national standards shall not incorporate patents in general. 2. Copy right protection practices: carry out a series of actions, including deleting infringement standards shared on mainstream internet platforms, banning document users, infringement dealers, deleting infringement links, etc.
Standards submission system	No progress
Trading system for standards developed by the market	Yes, academic wise. Research paper published in Standard Science.
Statistical analysis and reporting system for the standardization service industry	Yes, academic wise. Research paper published in Standard Science

Latest progress

D. Seven Mechanism

Mechanisms	Latest Progress
Linkage mechanism between major sci-tech projects and standardization	No progress, yet standards are taken as outputs of some major sci-tech projects in practices
Coordination mechanism for public security standardization	No progress
Mechanism for converting market-developed standards into governmental standards	Its possibility is legalized in the <i>Administrative Measures for National Standards</i> ; There are also practices of conversion.
Regional standardization mechanism	<ol style="list-style-type: none">1. Regionally coordinated standards are developed2. Guangdong-Hong Kong-Macao Greater Bay Area in Guangdong Province: the association for regional standards promotion is established in 20223. Academic wise: research paper on regional standards development was published in <i>Standard Science</i>
Reporting and complaint mechanism for the implemented standards	Progress on mandatory standards. SAC has issued the <i>Opinions on the Establishment of a Statistical Analysis and Reporting System for the Implementation of Mandatory Standards</i> in May 2024.
Evaluation mechanism for standardization service	No specific evaluation mechanism, yet the SAC made efforts in enhancing the standardization services by issuing the <i>Guidelines for the Application of National Standards Verification Points (2022)</i>
Evaluation mechanism for the implementation of the Outline	No progress



Thank you!