SESEC VI Translation

Translation of Key Points of MIIT Automotive Standardization Work in 2026

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Seconded European Standardization Expert in China

(SESEC)

INTRODUCTION:

On 26 May 2026, MIIT released the *2026 Key Tasks for Automotive Standardization*, the first annual roadmap under the 15th Five-Year Plan. The document marks a decisive shift from scaling standards volume to targeting strategic technology gaps, tightening safety baselines, and deepening China's international standardization role.

During the 14th Five-Year Plan period, China released **647 automotive standards** in total, comprising **54 mandatory national standards**, 335 recommended national standards, and 258 sector standards, covering intelligent connected vehicles, new energy vehicles and other key areas.

According to MIIT, standards in NEVs, intelligent connected vehicles, and automotive chips were fully implemented during this period, driving a marked industrial transformation. NEV annual production and sales grew from 3.5 million units in 2021 to 16 million in 2025, ranking first globally for 11 consecutive years. Intelligent connected passenger vehicles equipped with combined driving assistance systems accounted for over 60% of the market, while autonomous driving technology was demonstrated in trunk logistics, urban sanitation, and unmanned delivery scenarios.

For the 15th Five-Year Plan, the Key Points outlines **15 actions across 4 major directions** with highlights on dedicated sub-systems for ICV, automotive chips, NEV, and low-carbon development, alongside new research tracks on solid-state batteries, whole-vehicle reliability, data governance, and automotive AI. SESEC translated the document for reference.

Original version from MIIT website:

https://wap.miit.gov.cn/xwfb/gxdt/sjdt/art/2026/art_202b76b65f354309a28d38686d988108.html

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Key Points of MIIT Automotive Standardization Work in 2026

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In accordance with the requirements of documents such as the *Outline for National Standardization Development and the Key Points of Standardization Work of the Ministry of Industry and Information Technology in 2026*, these key points for automotive standardization work of this year are specially formulated to further improve the automotive standards system, enhance the quality of standards supply, deepen international standards cooperation, promote high-quality development with high-level standards, and ensure a good start for the 15th Five-Year Plan period.

I. Strategic Planning: Strengthening Top-Level Design of the Standard System

(1) Improving the Planning of the Automotive Standards System

- Complete the formulation of the construction plan for the "15th Five-Year" technical standards system of the automotive industry.
- Carry out feasibility pilot studies on the **"voluntary to mandatory standards" initiative**, Evaluate the effective implementation of the roadmap for mandatory national automotive standards and initiate revisions in due course.
- Improve and implement standards systems in key areas such as intelligent connected vehicles (ICV), automotive chips, new energy vehicles, and low-carbon automotive development.
- Focus on research into standards systems for automotive quality reliability and automotive solid-state batteries, update and improve standard sub-systems for data governance and application, automotive artificial intelligence, etc., and proactively lay out standard research in cutting-edge fields.

(2) Implementing Special Tasks for Key Standards

- Implement the *Special Action for Updating and Upgrading Mandatory National Standards*, *the Work of Leading the Optimization and Upgrading of Traditional Industries Through Standards Improvement*, and *the "New Trio" Sector Standards Improvement Action*.
- Consolidate responsibilities and improve efficiency, complete the development of relevant standards with high quality, accelerate the filling of gaps in urgently needed important standards.
- And advance adaptive revisions of existing key standards.

(3) Steadily Advancing the Standards Internationalization Strategy

- Expand institutional opening-up of standards, deepen multilateral and bilateral cooperation and exchanges, improve cooperation platforms and global collaboration networks, promote standard mutual recognition and technical alignment, and **explore paths for the coordinated development of Chinese standards and international rule systems.**

- **Promote the establishment of an international science and technology organization** in the automotive field initiated by China and proactively plan and deeply participate in the global governance of sustainable development of the automotive industry.

II. Standards Leadership: Empowering High-Quality Development of the Automotive Industry

Note: *Section II is not a full-text translation. Each action has a detailed column outlining exact technologies the action aims to cover. If you need further information, please send a email to assistant@sesec.eu and betty.xu@sesec.eu*

(4) Promoting Comprehensive Quality Improvement and Upgrading of the Industry

- Accelerate the development and release of important mandatory national standards for active safety, passive safety, and general safety.
- Focus on basic standards for general vehicle requirements and important system components.
- Carry out in-depth standard quality improvement actions, continuously enhance the scientific nature, advancement, and applicability of standards.
- And accelerate the formulation of standards specifications for new technologies, new structures, and new equipment in traditional industries.

(5) Leading the Industry's Green and Low-Carbon Transformation

- Focus on key areas such as the safety, performance, and compatibility of new energy vehicles.
- Improve the safety standards requirements for electric vehicles and power batteries.
- Optimize the system performance standards for core components such as power batteries and drive motors and advance the formulation and revision of standards in the field of electric vehicle charging and battery swapping.
- Promote the iterative upgrading of automotive energy-saving standards and fully implement the requirements of energy consumption limit standards for 2030.
- Accelerate the development of relevant standards for carbon footprint accounting and verification of automotive products, achieving innovative breakthroughs in green and low-carbon standards.

(6) Promoting Innovative Development in Emerging Fields

- Focus on areas such as intelligent connected vehicles, automotive electronics, and automotive chips.
- Carry out standards leadership actions and encourage the transformation of innovative achievements.
- Accelerate the development and iteration of standards in areas such as driving automation, connected functions and applications, information security and data security, resource management and information services, automotive software, automotive data, and "vehicle-road-cloud integration".
- Carry out the formulation and revision of standards for key system components such as automotive electronics and automotive chips.

(7) Strengthening Pre-Standardization Research on Future Technology Standards

- For future industrial directions such as automotive artificial intelligence and new-form vehicles, carry out forward-looking breakthrough actions for standards and conduct standard planning and layout in advance.
- Strengthen the foresight of future automotive industry technology trends, standard ecosystem construction, and disruptive technology incubation.
- Conduct information monitoring, identification and evaluation, and achievement transformation of new automotive technologies, new products, and new trends.
- Carry out research on standard science and technology pilot projects.
- Release a number of national standardization guiding technical documents that lead industrial development and play a guiding and normative role.

III. Integration and Win-Win: Enhancing the Effectiveness of Standard Internationalization Work

(8) Strengthening Coordination of Automotive Technical Regulations

- Closely track the development trends and strategic movements of international regulations of the ***United Nations World Forum for Harmonization of Vehicle Regulations (UN/WP.29).***
- Actively participate in the formulation and coordination of international regulations and continuously promote the formulation and revision of key regulations such as automated driving systems, electric vehicle safety, and durability of on-board batteries for electric heavy-duty vehicles.
- Organize multi-level international regulation exchange activities, continuously optimize the expert team and enhance China's influence and contribution in the international regulation system.

(9) Deeply Participating in International Standard Formulation

- Actively participate in international standardization activities of the ISO, IEC, ITU, and SAE.
- Guide domestic mirror committees of ISO/TC22, IEC/TC69, IEC/SyC SET, and IEC/PC131 to fulfill their responsibilities, and strengthen coordination and linkage with standardization technical committees.
- Coordinate and promote the cultivation of international standards in the automotive field.
- Promote the formation of new international standard proposals and phased achievements in directions such as high-power charging, wireless charging, and drive motors, and accelerate pre-standardization research and organizational preparation for international standards related to new-form vehicles and sustainable transportation.

(10) Strengthening Standard Support for Trade Facilitation

- Adopt advanced and applicable international standards, accelerate the improvement of the consistency level of domestic and international standards, and achieve **an international standard conversion rate of over 90%** in the automotive industry.
- Optimize and improve work processes and mechanisms.

- Advance the compilation of foreign language versions of automotive standards, focus on key areas such as new energy vehicles, intelligent connected vehicles, and green and low-carbon, and accelerate the release of a number of foreign language version standards with accurate translations, convenient use, and precise empowerment.
- Conduct follow-up research on regulations in key export regions, support industry co-construction and sharing, and enhance the compliance service capacity for industrial overseas development.

(11) Building a New Ecology of International Exchange and Cooperation

- Optimize the global standard and regulation cooperation network and make good use of the China Automotive Standard Internationalization Center and the China Automotive Enterprise International Development Innovation Alliance.
- Rely on the China-ASEAN and China-Africa automotive standardization cooperation mechanisms, promote the transformation of joint research results into technical alignment.
- Deepen intergovernmental framework cooperation between China and Germany, China and Europe, China and the UK, and China and Malaysia, solidify platforms such as the China-UK Automotive Standards and Regulations Working Group, and simultaneously expand multilateral dialogue and cooperation in the field of automotive standards with APEC economies, SCO countries, and BRICS countries.
- Focus on research on localized participation paths for standards in key regions, advance special plans such as the cultivation of international standard talents, and provide enterprises with full-chain support for overseas layout from standard understanding and application to active participation.

IV. Innovation-Driven: Optimizing the Standard Management Work Mechanism

(12) Strengthening Organizational Mechanism Guarantee

- Complete the reorganization of the 6th National Automotive Standardization Technical Committee.
- Optimize and improve the organizational structure and promote the establishment of a sub-technical committee for automotive modification.
- Strengthen member services and management, establish and improve multi-level collaborative docking mechanisms, and deepen regular linkage with member units and secretariats of sub-standard committees.
- Improve the collaborative work mechanism for automotive standardization and clarify implementation paths for joint standard research in various sub-fields.
- Deepen exchanges and cooperation with upstream and downstream standard research institutions in the industrial chain and promote deep cross-industry and cross-field collaborative integration.

(13) Optimizing the Standard Work Mechanism

- Focus on key nodes of the whole life cycle of automotive standards, innovate the mechanisms, modes, and methods of automotive standardization work, establish green channels for important standards, and further shorten the standard development cycle.

- Improve the evaluation and review mechanisms for standard implementation effects and accelerate the iterative updating of the standards system.
- Apply digital and intelligent technologies to restructure the automotive standardization work process and explore the extension of "artificial intelligence + standards" application scenarios to the whole process of standard formulation and revision.
- Optimize the supply structure of automotive standards, and promote the coordinated supplementation, convergence, and orderly development of different types of standards.

(14) Strengthening Standard Publicity and Implementation

- Focus on core priorities, innovate communication forms, strengthen progress notification and achievement promotion at key standard nodes, and build a comprehensive, multi-level, and three-dimensional standard publicity matrix.
- Expand the coverage and influence of standard publicity and training and improve the accuracy and pertinence of standard interpretation.
- Carry out theoretical and policy research on automotive standardization, and summarize and refine the laws, practical experience, and innovative achievements of standardization work.
- Strengthen communication and interaction with the industry and the public, build social consensus, break cognitive misunderstandings, and resolve doubts and concerns.

(15) Strengthening Standard Talent Cultivation

- Increase the delivery of talents to international organizations and select outstanding professional talents to deeply participate in international standard and regulation activities.
- Optimize the structure of the international expert team and systematically improve the construction level of the international standard talent team.
- Support industry associations to carry out a series of automotive standardization talent cultivation activities and strengthen the echelon construction of automotive standardization talents.
- Promote the integration of automotive standardization knowledge into the national education system and explore cooperation with institutions of higher education to develop automotive standardization courses or jointly build laboratories.

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).