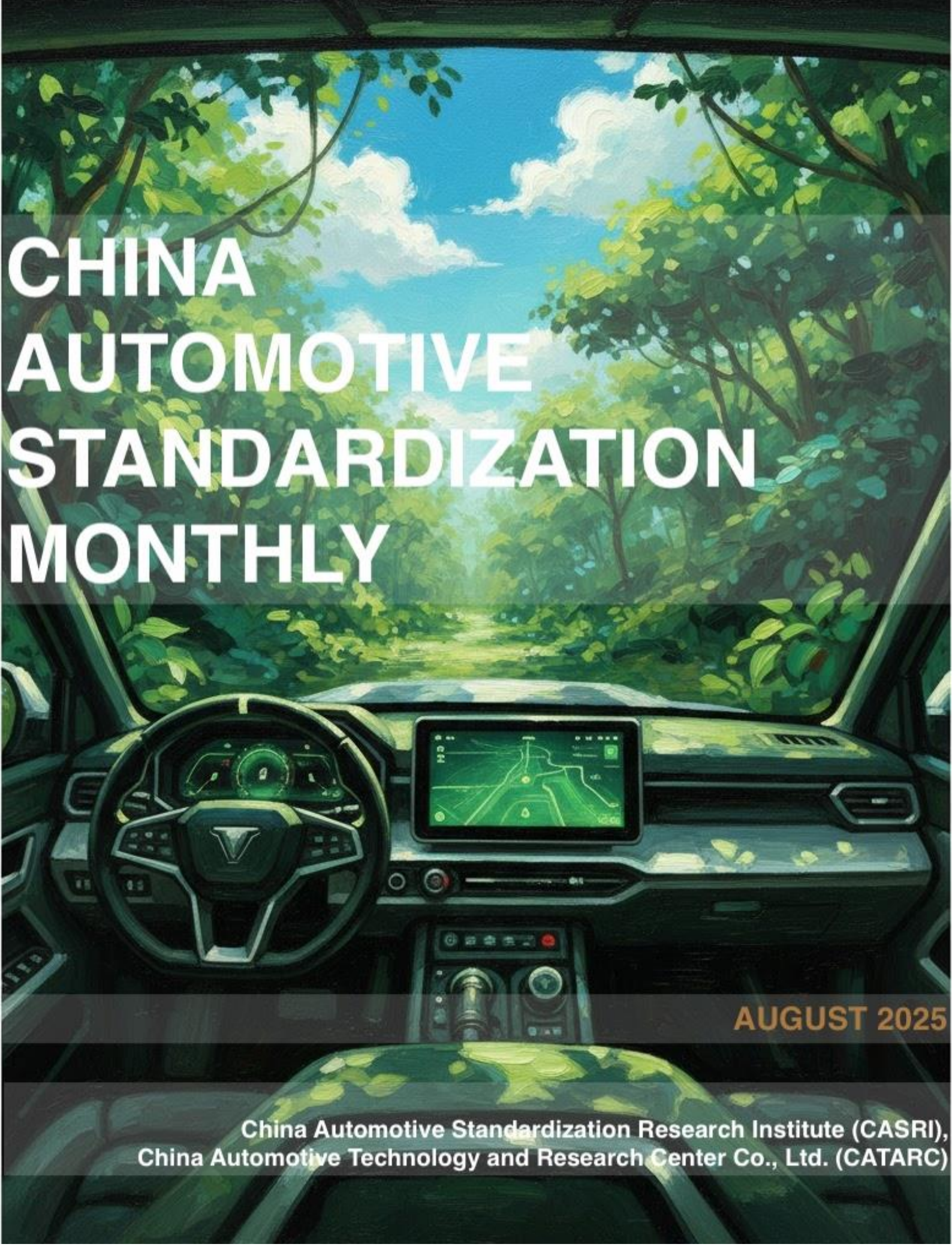

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Contents

Policy Outlook

01 State Council Issues Policy to Deepen the Implementation of the "AI Plus" Initiative

On August 26, 2025, the State Council issued the ***Opinions on Deeply Implementing the "Artificial Intelligence Plus" Initiative*** (hereinafter referred to as the *Opinions*), aimed at promoting the extensive and in-depth integration of artificial intelligence (AI) with various sectors of the economy and society.

According to the *Opinions*, the implementation will be advanced in three phases:

- By 2027, China aims to achieve broad and deep integration of AI with six key areas—scientific and technological innovation, industrial development, consumption upgrading, public well-being, governance capacity, and global cooperation. The penetration rate of new-generation intelligent terminals and intelligent agents will exceed 70%. The core industries of the intelligent economy will grow rapidly, AI will play a more prominent role in public governance, and the open and cooperative system for AI will be further improved.
- By 2030, AI will fully empower China's high-quality development. The penetration rate of new-generation intelligent terminals and intelligent agents will surpass 90%, and the intelligent economy will become a major growth driver of the national economy, promoting technological inclusiveness and the sharing of achievements.
- By 2035, China will fully enter a new stage of intelligent economy and intelligent society, providing strong support for the basic realization of socialist modernization.

The *Opinions* identify six key actions to accelerate implementation:

- **"AI Plus" Science and Technology** – Accelerate scientific discovery, drive innovation in R&D models and efficiency, and foster new methodologies in philosophy and social sciences research.
- **"AI Plus" Industrial Development** – Cultivate AI-native business models and formats, advance intelligent transformation across all industrial factors, speed up the digital and intelligent upgrading of agriculture, and innovate new service industry models.
- **"AI Plus" Consumption Upgrading** – Expand new consumption scenarios in services and nurture new business forms in product consumption.
- **"AI Plus" Public Well-being** – Create smarter working environments, promote more effective learning methods, and build higher-quality and more fulfilling lifestyles.
- **"AI Plus" Governance Capacity** – Foster a new paradigm of human–machine symbiosis in social governance, establish a diversified and co-governed security framework, and advance ecological governance to build a Beautiful China.
- **"AI Plus" Global Cooperation** – Promote inclusive and shared development of AI and jointly build a global governance system for artificial intelligence.

The *Opinions* emphasize fostering new business models in product consumption by promoting the intelligent interconnection of all things and cultivating an ecosystem of smart products. It calls for vigorous development of new-generation intelligent terminals such as intelligent connected vehicles, AI-enabled

smartphones and computers, intelligent robots, smart homes, and wearable devices, to build an integrated and all-scenario intelligent interaction environment. It also calls for optimizing the application environment by accelerating the formulation of AI-related standards in key areas and promoting cross-industry, cross-domain, and international alignment of standards.

Source: The State Council of the People's Republic of China (www.gov.cn)

02 MIIT Issues Guiding Opinions to Optimize Market Access and Advance Satellite Communication Development

On August 27, 2025, the Ministry of Industry and Information Technology (MIIT) issued the ***Guiding Opinions on Optimizing Business Access and Promoting the Development of the Satellite Communication Industry*** (hereinafter referred to as the *Opinions*). The document aims to implement the decisions and plans of the CPC Central Committee and the State Council, advance the orderly opening of satellite communication services, promote the high-quality development of the satellite communication industry, stimulate innovation vitality in the commercial space sector, foster new quality productive forces, and support the building of a manufacturing power, a cyber power, and a Digital China.

The *Opinions* call for strengthening integrated application and innovation. It encourages the innovative application of satellite communication across various sectors—including industry, agriculture, transportation, energy, and urban governance—and promotes deep integration with next-generation information infrastructures such as the industrial internet, the internet of vehicles, airborne communication networks, low-altitude intelligent networks, and computing power networks. It also supports the direct connection of vehicles, ships, and aircraft to satellites, and advocates for the large-scale and popularized use of satellite communication applications.

The *Opinions* also stress the need to build an open and shared standards system. It calls for concerted efforts across the industry to establish an open, shared, and space–ground integrated satellite communication standards framework, and to formulate and improve national and industry standards for satellite communication technologies, products, and infrastructure. Leading enterprises are encouraged to play a proactive role in promoting the gradual unification of standards and compatibility of systems during development, facilitating openness and resource sharing among different market entities' satellite communication systems, and fostering synergistic growth. The document also encourages active participation in international and regional standardization efforts under organizations such as the International Telecommunication Union (ITU) and the 3rd Generation Partnership Project (3GPP).

Source: The State Council of the People's Republic of China (www.gov.cn)

03 SAMR and MIIT Seek Public Comments on Strengthening Supervision of Intelligent Connected NEV Recalls and Advertising Practices

On August 13, 2025, the State Administration for Market Regulation (SAMR) released a public consultation on the ***Notice of the State Administration for Market Regulation and the Ministry of Industry and Information Technology on Strengthening the Supervision and Management of Recalls, Production Consistency, and Publicity Practices for Intelligent Connected New Energy Vehicles (Draft for Comments)*** (hereinafter referred to as the *Notice*). The consultation aims to implement the *Regulations on the Administration of Recall of Defective Automobile Products* and the *Notice on Further Strengthening the Management of Market Access, Recall, and Over-the-Air (OTA) Software Updates for Intelligent Connected Vehicles*. Feedback is open to the public until September 15, 2025.

The *Notice* seeks to further strengthen safety management for intelligent connected new energy vehicles (ICNEVs), standardize corporate production and operational practices, and effectively protect consumers' legitimate rights and interests. It requires automotive enterprises to strictly comply with laws and regulations related to the recall of defective vehicles, enhance safety warnings and user instructions for combined driver assistance systems, ensure drivers have a clear understanding of system boundaries, and prevent the misuse of automated driving functions. Enterprises are also urged to strengthen driver monitoring and risk response capabilities, improve cybersecurity management mechanisms, and prevent safety incidents caused by cyberattacks or system vulnerabilities.

The *Notice* further specifies strengthened supervision of production consistency for ICNEVs. Enterprises are required to accurately report key system information, strictly implement filing procedures for OTA software upgrades, and are prohibited from conducting unfiled upgrades or concealing product defects via OTA updates. Meanwhile, SAMR and MIIT will jointly enhance supervision of advertising and publicity activities, strictly prohibiting exaggerated or misleading claims about vehicle automation functions to prevent consumer deception. Enterprises must promptly report vehicle accidents and safety incidents; any concealment or omission of such reports will be subject to public notice and rectification under the law. The two ministries will jointly carry out special investigations and technical assessments to promote the sound and orderly development of the industry.

Source: The State Administration for Market Regulation (https://www.samr.gov.cn/)

Event Highlights

01 Bridging Standards and Nurturing Talent: Deepening China–ASEAN Automotive Standardization Cooperation

On August 27, 2025, the **4th China-ASEAN Standardization Cooperation Forum** was held in Nanning, Guangxi. Witnessed by Xiao Han, Director General of Department of Standards Innovative Management, State Administration for Market Regulation (SAMR)/ Standardization Administration of China (SAC), and Isagani Creencia Erna, Head of the Standards and Conformance Division of the ASEAN Secretariat, a series of major achievements in China–ASEAN automotive standardization cooperation were jointly released by Gong Jinfeng, Deputy General Manager of China Automotive Technology and Research Center Co., Ltd. (CATARC), and Mohd Affizul Ariff Bin Salim, Senior Assistant Director of the Road Transport Department of Malaysia, representing the ASEAN Automotive Product Working Group.

Three key cooperation outcomes were officially launched at the forum:

- **The second exchange of the China–ASEAN Electric Vehicle Standards List**, including 139 Chinese standards and 293 ASEAN electric vehicle standards, marking a substantive step toward institutionalized and sustained cooperation on standards.
- The joint release of the **"China–ASEAN Action Plan on Talent Development in Automotive Standards and Regulations"**, accompanied by the presentation of 83 Chinese automotive standards in foreign languages and an English edition of the Automotive Standardization textbook *Fundamentals and Applications of Automotive Standardization* to ASEAN representatives. This initiative establishes a systematic mechanism for standards dissemination and supports capacity building in ASEAN member states.
- The official launch of two **joint research projects** — "Electric Vehicle Standard System Applicable to ASEAN Countries" and *"Terminology of Electric Vehicles as the Regional Recommendatory Technical Specification"* — marking a shift from framework-based exchanges to thematic cooperation between China and ASEAN in automotive standardization.

Figure 1： Three key cooperation outcomes. Source: ASEAN-Oriented Standardization Cooperation Forum,2025

On the afternoon of August 27, the **7th China-ASEAN Cooperation Dialogue on Automotive Standards and Regulations** was held alongside the **3rd ASEAN–China Green Vehicle Cooperation Initiative Closed-Door Meeting**, co-hosted by the China Automotive Technology and Research Center (CATARC) Standards Institute and the ASEAN Automotive Product Working Group, with SAIC-GM-Wuling Automobile Co., Ltd. as the co-organizer.

Experts from the Standards Institute, the ASEAN Automotive Product Working Group, the Institute of Standards of Cambodia, the Thai Industrial Standards Institute, SAIC-GM-Wuling, Gotion High-Tech, and other organizations and enterprises shared their latest research outcomes and practical experiences in the fields of electrification and intelligent vehicle technologies. Participants also expressed their expectations for deeper collaboration between China and ASEAN in automotive standards and regulatory development.

Figure 2: Photo form the 7th China-ASEAN Automotive Dialogue. Source: CATARC, 2025

02 Publication of "Fundamentals and Applications of Automotive Standardization"

In August, we are excited to announce the availability of the textbook "Fundamentals and Applications of Automotive Standardization." This comprehensive resource provides valuable insights into the foundational concepts and practical applications of automotive standardization, from historical development to current trends and case studies.

The book is designed to serve as both a reference guide and a teaching tool for professionals and students in the automotive industry. It covers key topics including the methodology of standard formulation, safety and environmental standards, and the increasing role of technology in automotive standardization. It also explores the implications of international standards and regulations on the global automotive market.

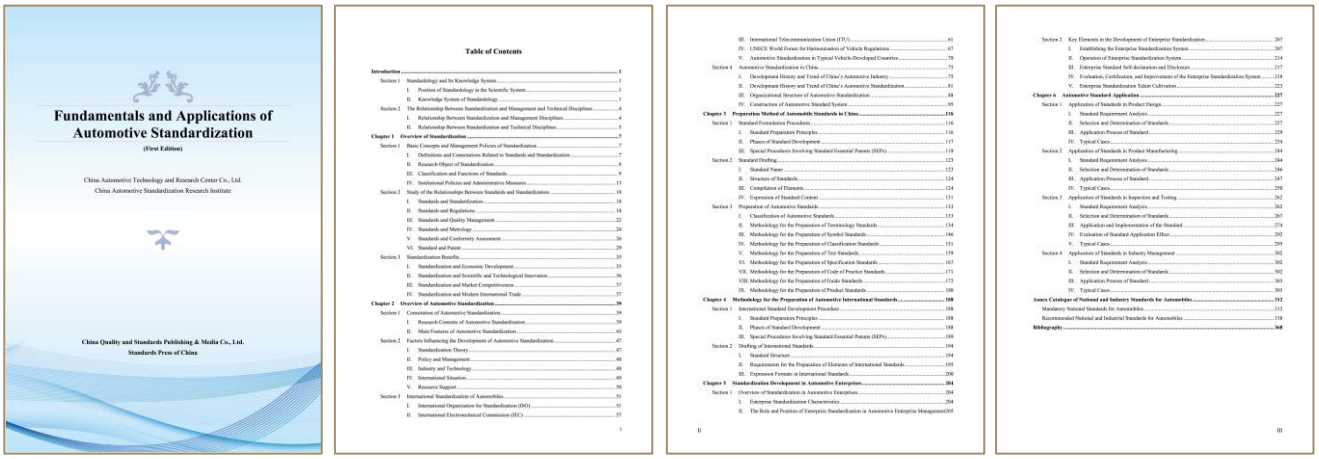

Figure 3: Table of contents from Fundamentals and Applications of Automotive Standardization.

For readers interested in acquiring the full text of this essential resource, please feel free to contact us for access details

Standardization Updates in August

01 Standard projects approved and initiated

Serial No.	Name of the standard	Type
1	Interoperability test specifications of electric vehicle conductive charging—Part 2：Vehicle	National
2	Road vehicles—Automotive Cables—Part 11: Dimensions and requirements for coaxial RF cables with a specified analogue bandwidth up to 6 GHz （20 GHz）	National
3	Road vehicles — Software update engineering	National
4	Road vehicles—Automotive cables—Part 12: Dimensions and requirements for unscreened twisted pair RF cables with a specified analogue bandwidth up to 1 GHz	National
5	Road vehicles—General requirements and test methods of in-vehicle optical harnesses for up to 100 Gbit/s communication	National
6	Electrical performance test methods for Ni-MH traction battery pack and system of electric vehicles	National

02 Automotive standards soliciting public opinions

Serial No.	Name of the standard	Type
1	Technical specifications of digital key system for vehicles	National
2	Intelligent and connected vehicles — Data security management system specification	National
3	Performance requirements and test methods of anti-lock braking system for commercial vehicle and trailer (Amd.1)	National
4	Evaluation for categorization and classification of vehicle vulnerability	National

Serial No.	Name of the standard	Type
5	Technical specification for silicon-based insulated gate bipolar transistor power discrete devices for electric vehicles	Industrial
6	Technical Specification for Silicon-based Insulated Gate Bipolar Transistor （IGBT）Power Modules for Electric Vehicles	Industrial
7	Technical Specification for Silicon Carbide Based Metal-Oxide-Semiconductor Field-Effect Transistor Power Discrete Devices for Electric Vehicles	Industrial
8	Technical Specification for Silicon Carbide-based Metal-Oxide-Semiconductor Field-Effect Transistor Power Modules for Electric Vehicles	Industrial
9	Intelligent and connected vehicles——Technical specification of automated driving system for port	Industrial
10	Truck-mounted concrete pump	Industrial
11	Technical requirements and test methods for concrete truck mixers	Industrial
12	Auto Leveling device of special purpose vehicle	Industrial
13	Medical vehicle	Industrial
14	Technical requirements and test methods for differential assembly for passenger cars	Industrial
15	Technical requirements and bench methods for hydraulic shift control units of automotive automatic transmissions	Industrial
16	Frame of motorcycles and mopeds	Industrial
17	Automotive Engine-Piston Pin bore fatigue test methods	Industrial
18	Automobile and motorcycle engine steel belt combined oil ring	Industrial
19	Automotive Ethernet 100Mbps physical layer interface (PHY) chip technical requirements and test methods	Industrial

03 Automotive standards reviewed

Serial No.	Name of the standard	Type
1	In-vehicle traction battery durability requirements and test methods for electric vehicles—Part 1:Light-duty vehicles	National
2	Electrical performance requirements and test methods for electric double-layer capacitors used in hybrid electric vehicles	National
3	Technical specification for battery swapping system of electric motorcycles and electric mopeds	National
4	Fuel cell electric motorcycles and mopeds—Guidelines for safety requirements	National
5	Fuel cell electric motorcycles and mopeds—Code of practice for test of energy consumption and range	National
6	Technical requirements and testing methods for advanced emergency braking system of light-duty vehicles	National
7	Road vehicles—Test devices for assessing the perceptual function of intelligent connected vehicles—Part 3: Requirements for passenger vehicle 3D targets	National
8	Road vehicles — Test devices for assessing the perceptual function of intelligent connected vehicles Part 4:Requirements for bicyclist targets	National
9	Ultracapacitor for electric road vehicles	Industrial
10	Thermal management system for electric vehicle traction battery— Part 3: Air cooling system	Industrial
11	Thermal management system for electric vehicle traction battery—Part 4: Heater	Industrial
12	Thermal management system for electric vehicle traction battery—Part 5: Direct cooling and heating system	Industrial
13	General requirements for automotive Micro Electro Mechanical System（MEMS） Lidar	Industrial
14	Technical requirements and test methods of automotive satellite positioning chips	Industrial
15	Technical requirements and test methods of automotive infrared thermal imaging chip	Industrial

04 Automotive standards submitted for approval

Serial No.	Name of the standard	Type
1	Off-cycle technology/device energy saving effects evaluation methods for passenger cars — Part 3: Automotive air conditioner	National
2	Road vehicles — Automotive cables — Part 5: Dimensions and requirements for 600 V a.c. or 900 V d.c. and 1 000 V a.c. or 1 500 V d.c. single core copper conductor cables	National
3	Road vehicles — Automotive cables — Part 6: Dimensions and requirements for 600 V a.c. or 900 V d.c. and 1 000 V a.c. or 1 500 V d.c. single core aluminium conductor cables	National
4	Road vehicles — Automotive cables — Part 7: Dimensions and requirements for 30 V a.c. or 60 V d.c. round, sheathed, screened or unscreened multi or single core copper conductor cables	National
5	Road vehicles — Automotive cables — Part 8: Dimensions and requirements for 30 V a.c. or 60 V d.c. round, sheathed, screened or unscreened multi or single core aluminium conductor cables	National
6	Road vehicles - Automotive cables - Part 9: Dimensions and requirements for 600 V a.c. or 900 V d.c. and 1 000 V a.c. or 1 500 V d.c. round, sheathed, screened or unscreened multi or single core copper conductor cable	National
7	Road vehicles — Automotive cables — Part 10: Dimensions and requirements for 600 V a.c. or 900 V d.c. and 1 000 V a.c. or 1 500 V d.c. round, sheathed, screened or unscreened multi or single core aluminium conductor cables	National
8	Road vehicles - Fifth wheel	National
9	Road vehicles - Cargo trailer test procedure	National
10	Technical requirements and testing methods for field of vision assistant (FVA) system of light-duty vehicles	National
11	Determination method for priority of on-board messages of passenger car	National

05 Automotive standards published

Serial No.	Standards No.	Name of the standard	Type
1	GB/T 45829-2025	Funtional Safety Requirements and testing methods for passenger car steering system	National
2	GB/T 45816-2025	Road vehicles - Refrigerant systems used in mobile air conditioning systems(MAC) -safety requirements	National
3	GB/T 46011.1-2025	Road vehicle—General requirements for greenhouse gas management—Part 1：Terms and definitions	National
4	GB/T 46011.2-2025	Road vehicle—General requirements for greenhouse gas management—Part 2: Carbon footprint labels of road vehicle products	National
5	GB/T 32960.2-2025	Technical specifications of remote service and management system for electric vehicles—Part2：On-board terminal	National
6	GB/T 45797-2025	Road vehicles — low-voltage electrical system performance requirements and test methods	National
7	GB/T 33014.2-2025	Road vehicles — Component test methods for electrical /electronic disturbances from narrowband radiated electromagnetic energy — Part 2: Absorber-lined shielded enclosure	National
8	GB/T 33014.4-2025	Road vehicle — Component test methods for electrical disturbances from narrowband radiated electromagnetic energy — Part 4: Harness excitation methods	National
9	GB/T 33012.4-2025	Road vehicles — Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy — Part 4: Harness excitation methods	National
10	GB/T 29123-2025	Specifications of the operation and storage for fuel cell electric vehicles	National
11	GB/T 20716.1-2025	Road vehicles—Connectors for the electrical connection of towing and towed vehicles（7-pole）—Part 1 - Connectors for braking systems and running gears of vehicles with 24 V nominal supply voltage	National
12	GB/T 20716.2-2025	Road vehicles — Connectors for the electrical connection of towing and towed vehicles（7-pole）—Part 2 - Connectors for	National

Serial No.	Standards No.	Name of the standard	Type
		braking systems and running gears of vehicles with 12 V nominal supply voltage	
13	GB/T 46021-2025	Evaluation method for photothermal comfort testing of automotive glass	National
14	GB/T 46022-2025	Cover glazing used for vehicle display	National
15	GB/T 46023.1-2025	Electro-switchable smart glazing used on road vehicle Part 1: Organic electrochromic glazing	National
16	GB/T 46023.2-2025	Electro-switchable smart glazing used on road vehicle Part 2: Polymer dispersed liquid crystal glazing	National
17	GB/T 46023.3-2025	Electro-switchable smart glazing used on road vehicle Part 3: suspended particles glazing	National
18	GB/T 44851.1-2025	Road vehicles—Liquefied natural gas (LNG) fuel system components—Part 1: General requirements and definitions	National
19	GB/T 44851.2-2025	Road vehicles—Liquefied natural gas (LNG) fuel system components—Part 2: Performance and general test methods	National
20	GB/T 44851.4-2025	Road vehicles—Liquefied natural gas (LNG) fuel system components—Part 4: Manual valve	National
21	GB/T 44851.5-2025	Road vehicles — Liquefied natural gas (LNG) fuel system components —Part 5: Tank pressure gauge	National
22	GB/T 44851.7-2025	Road vehicles — Liquefied natural gas (LNG) fuel system components —Part 7: Pressure relief valve	National
23	GB/T 44851.8-2025	Road vehicles — Liquefied natural gas (LNG) fuel system components —Part 8: Excess flow valve	National
24	GB/T 44851.10-2025	Road vehicles — Liquefied natural gas (LNG) fuel system components—Part 10:Rigid fuel line in stainless steel	National
25	GB/T 44851.11-2025	Road vehicles—Liquefied natural gas (LNG) fuel system components—Part 11: Fittings	National
26	GB/T 44851.12-2025	Road vehicles — Liquefied natural gas (LNG) fuel system components —Part 12: Rigid fuel line in copper and its alloys	National

Serial No.	Standards No.	Name of the standard	Type
27	GB/T 44851.13-2025	Road vehicles — Liquefied natural gas (LNG) fuel system components —Part 13: Tank pressure control regulator	National
28	GB/T 44851.14-2025	Road vehicles — Liquefied Natural Gas (LNG) fuel system components — Part 14: Differential pressure fuel content measuring instrument	National
29	GB/T 44851.15-2025	Road vehicles—Liquefied natural gas (LNG) fuel system components—Part15: Capacitance fuel content gauge	National
30	GB/T 44851.16-2025	Road vehicles — Liquefied natural gas (LNG) fuel system components —Part 16: Heat exchanger - vaporizer	National
31	GB/T 44851.17-2025	Road vehicles — Liquefied natural gas (LNG) fuel system components —Part 17: Natural gas detector	National
32	GB/T 44851.18-2025	Road vehicles — Liquefied natural gas (LNG) fuel system components —Part 18: Gas temperature sensor	National
33	GB/T 46094-2025	Leisure accommodation vehicles—Safety signs and information symbols	National
34	GB/T 46098-2025	Performance requirements and test methods for automobile active noise cancellation system	National
35	GB/T 31970-2025	Performance requirements and bench test methods for air disc brake caliper assemble of vehicles	National
36	GB/T 4095-2025	Disc wheels for trucks—Dimensional characteristics of attachment on hub	National
37	GB/T 13053-2025	Bus inner dimensions	National
38	GB/T 46161.2-2025	Road vehicles-Pneumatic braking systems- Part 2: Pipes,male fittings and tapped holes with conical sealing surface	National
39	GB/T 46161.1-2025	Road vehicles-Pneumatic braking systems- Part 1: Pipes,male fittings and tapped holes with facial sealing surface	National
40	GB/T 29124-2025	Fuel cell electric vehicles facilities for demonstration specifications	National
41	GB/T 23334-2025	Open-type reof escape hatch on bus	National

Call for Contributions & Collaboration Opportunities

To enhance the value of the *Monthly Briefing of Chinese Auto Standardization* and to better reflect the latest progress across the industry, we warmly welcome contributions from all partners.

If your organization has:

- Activities, events, or initiatives you wish to highlight;
- New publications, research reports, or best practices to share;
- Cooperation proposals or information exchange needs;

Please feel free to contact us — we are glad to support promotion and visibility through future issues of the briefing.

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