CHINA AUTOMOTIVE STANDARDIZATION MONTHLY

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I Policy Outlook

01 China Releases 2025–2026 Work Plan to Support Stable Growth in the Automotive

Eight Chinese ministries jointly released the Work Plan for Stabilizing Growth in the Automotive Industry (2025–2026), outlining measures to meet key economic targets and strengthen the sector's development.

The plan highlights standards upgrading as a major driver of quality improvement, with accelerated work on standards for NEVs, traction batteries, automated driving, and automotive chips. It also calls for stronger supervision and wider standards implementation to help companies improve vehicle safety, energy efficiency, and low-temperature performance.

To improve export competitiveness, the plan supports building a public service platform to provide information on market demand, regulations, and policies in priority overseas markets.
The document also stresses international cooperation, including active participation in the UN WP.29 regulatory process, advancing carbon-footprint standards for NEVs and traction batteries, and promoting mutual recognition of related accounting methods. High-level events and enhanced policy support will be used to bolster foreign investment confidence in China's automotive industry.
Source: Ministry of Industry and Information Technology of the People's Republic of China (https://www.miit.gov.cn/)

02 China Releases Guidelines to Accelerate AI Adoption in the Transport Sector

Seven Chinese government agencies jointly released the Implementation Guidelines for "AI + Transportation" to accelerate large-scale AI applications across the sector.

The guidelines call for expanding **AI-enabled pilot scenarios**, including improvements to large models for combined driver assistance system, enhanced evaluation technologies, and new testing programs for intelligent truck driving along major freight corridors. Key regions such as Beijing–Tianjin–Hebei, the Yangtze River Delta, the Greater Bay Area, and the Chengdu–Chongqing region are encouraged to advance regulated testing. The document also promotes leveraging existing highway infrastructure to deploy vehicle–road–cloud coordination systems and improve travel experiences.

The guidelines highlight **stronger AI governance**, including building monitoring, safety assessment, risk alert, and emergency response systems, as well as tightening oversight of key algorithms and important data. They also call for accelerated standards development in intelligent driving, smart shipping, and transport-focused large models, and encourage industry participation

in drafting standards for emerging technologies and applications.

Source: Ministry of Transport of the People's Republic of China (https://www.mot.gov.cn/)

03 China Launches 2025 Review of Mandatory National Standards

The Standardization Administration of China (SAC) issued a notice announcing the launch of the 2025 review of mandatory national standards, in accordance with the Standardization Law of the People's Republic of China and the Administrative Measures for Mandatory National Standards.

According to the notice, all mandatory national standards that will have been in effect for five years by the end of 2025—or five years since their last review—are included in this cycle. A total of **13 standards in the automotive sector** fall within the scope of the review.

Standard Code	Standard Description
GB 4785—2019	Prescription for installation of the external lighting and light-signalling devices for motor vehicles and their trailers
GB 11551—2014	The protection of the occupants in the event of a frontal collision for motor vehicle
GB 12676—2014	Technical requirements and testing methods for commercial vehicle and trailer braking systems
GB 15085—2013	Motor vehicles-windscreen wiper and washer systems - Performance requirements and test methods
GB 15086—2013	Motor vehicles' door locks and retention components performance requirements and test methods
GB 15742—2019	Performance requirements and test methods of horn for motor vehicles
GB 16735—2019	Road vehicle—Vehicle identification number (VIN)
GB 16737—2019	Road vehicle—World manufacturer identifier (WMI) code
GB 18296—2019	Safety property requirements and test methods for automobile fuel tank and its installation
GB 24545—2019	Requirements and test methods of speed limitation system for motor vehicles
GB 30678—2014	Safety signs and information symbols for the use of bus
GB 36581—2018	Safety performance requirements and test methods of automobile wheels
GB 38262—2019	Flammability of interior materials for buses

The review will assess each standard's **applicability, consistency, timeliness, and alignment with related standards**. Drafting organizations are required to submit summary review conclusions and individual review reports to SAC by November 30, 2025

II Standardization Updates

01 Standard projects approved and initiated

Serial No.	Name of the standard	Type
1	Road vehicles - Sensitivity to lateral wind - Open-loop test and evaluation method using wind generator input	National
2	Motor vehicles—Towing performance —Test method	National
3	Road vehicles —24V fully automatic coupling systems for heavy commercial vehicle combinations —Part 1:General requirements and definitions	National
4	Safety technical requirements for automotive door handle	National
5	Intelligent and connected vehicle - Safety requirements of combined driver assistance system	National
6	Fuel cell electric vehicles—Onboard hydrogen system technical specifications	National
7	Performance requirements and test methods for electrical transmission braking system of passenger car - Part 1: Electromechanical braking system	National
8	Test method for roll stability of heavy vehicles— Closing-curve test	National
9	Road vehicles —24V fully automatic coupling systems for heavy commercial vehicle combinations — Part 2:Electrical and pneumatic interface for 50 mm fifth wheel couplings	National
10	Technical requirements and testing methods for Steering-by-Wire Systems of passenger car	National

02 Standards soliciting public opinions

Serial No.	Name of the standard	Type
1	Road vehicles — Software update engineering	National
2	Technical specification for LNG vehicle	National

Serial No.	Name of the standard	Type
3	Intelligent and connected vehicle - Safety requirements of combined driver assistance system	National
4	Road vehicles — Degrees of electrical equipment protection (IP-Code)	National
5	Road vehicles — In-vehicle Ethernet — Part 1: General information and definitions	National
6	Road vehicles—In-vehicle Ethernet—Part 2: Common physical entity requirements	National
7	Road vehicles — In-vehicle Ethernet —Part 3: Optical 1-Gbit/s physical entity requirements and conformance test plan	National
8	Road vehicles — In-vehicle Ethernet—Part 5: Optical 1-Gbit/s physical layer system requirements and test plans	National
9	Road vehicles—In-vehicle Ethernet—Part 6: Electrical 100 Mbit/s physical entity technical requirements and conformance test plan	National
10	Greenhouse gases — Quantification methods and requirements for carbon footprint of products — Electric vehicles	National
11	Greenhouse Gases — Quantification methods and requirements for carbon footprint of products — Traction batteries used in electric vehicles	National
12	Greenhouse Gases - Quantification methods and requirements for carbon footprint of products - Driving motors used in electric vehicles	National
13	General technical requirements for software update of vehicles(Amd.1)	National
14	Technical requirements for vehicle cybersecurity(Amd.1)	National
15	The protection of the occupants in the event of a frontal collision for motor vehicle(Amd.1)	National
16	Sodium ion battery for electric vehicles	Industrial
17	Thermal characteristics test methods for electric vehicle traction battery	Industrial
18	Automotive electric door system	Industrial
19	Automotive serializer and deserializer (SerDes) chips technical requirements and test method	Industrial

Serial No.	Name of the standard	Type
20	Safety technical requirements for automotive door handle	Industrial
21	Carbon footprint of road vehicle products—Product category rules —Automobile air conditioning	Industrial
22	Painting coat of motorcycles and mopeds	Industrial
23	Voltage regulators for motorcycles and mopeds	Industrial
24	Carriage for three-wheeled motorcycles and mopeds	Industrial
25	Aluminum Reservoir Assy for Air Suspension of Passenger Vehicle	Industrial
26	Aluminum alloy steering knuckle	Industrial
27	Torque limiter with damper assembly for passenger vehicle	Industrial
28	Torque rod with rubber joint for vehicle suspension	Industrial
29	The technical requirements and bench test methods for aluminum alloy subframe of Passenger car chassis	Industrial

03 Standards reviewed

Serial No.	Name of the standard	Type
1	Technical specifications for electrification of child restraint systems for power-driven vehicles	National
2	Road vehicles Visibility Method for establishment of eyellipses for driver's eye location	National
3	Test and assessment method of headlighting systems photometric performance on vehicle level	National
4	Test method for adaptive driving beam system (ADB) for motor vehicle	National
5	Road vehicles—Connectors for the electrical connection of towing and towed vehicles—Part 1: 13-pole connectors for vehicles with 12V nominal supply	National

Serial No.	Name of the standard	Type
	voltage not intended to cross water fords	
6	Steering system of motor vehicles–Basic requirements	National
7	Special warning lamps for road operation vehicles	Industrial
8	Performance requirement and test method of seat ventilation system	National
9	Leaf springs of automobile— Part1：Leaf spring	Industrial
10	Formats of automotive product drawingt	Industrial
11	Measuring method for friction coefficient of screw thread pair of automobiles	Industrial
12	Screw type ball pin for motor vehicles	Industrial
13	Ball pin seat for motor vehicles	Industrial
14	Spring nuts for motor vehicles	Industrial
15	Internal/external serration lock washer	Industrial
16	Lead seal	Industrial

04 Standards submitted for approval

Serial No.	Name of the standard	Type
1	Road vehicles—Requirements and test methods of electromagnetic compatibility	National
2	The safety requirements for bus construction	National
3	The safety technique specifications of special school	National
4	Performance and measurement method for braking of motorcycles and mopeds	National

Serial No.	Name of the standard	Type
5	Technical specifications of combined power source for electric vehicles	Industrial
6	Electrical performance requirements and test methods for traction battery of electric vehicle	Industrial
7	The reliability test methods of drive motor system for electric vehicles	Industrial
8	Safety requirements of battery swap for electric vehicles	Industrial
9	Conductive on-board charger for electric vehicles	Industrial
10	Post crash safety requirement for electric vehicle	Industrial
11	Electric vehicles - Windshield demisters and defrosters system - Performance requirements and test methods	Industrial
12	Safety requirements of conductive charging and discharging for electric vehicles	Industrial
13	Electromagnetic compatibility requirements and test methods of conductive charging for electric vehicles	Industrial
14	Electric vehicle wireless power transfer—Part 1:General requirements	Industrial
15	Electric vehicle wireless power transfer—part 7:interoperability requirements and testing—vehicle side	Industrial
16	Electric vehicle wireless power transfer—Part 5: Electromagnetic compatibility requirements and test methods	Industrial
17	Test methods for cold starting performance of fuel cell vehicles under sub-zero conditions	Industrial
18	Test methods of energy consumption and driving range for fuel cell Electric vehicles	Industrial
19	Fuel cell electric vehicles—Test methods of hydrogen emission	Industrial
20	Electric vehicles traction battery safety requirements	Industrial
21	Electric buses safety requirements	Industrial

Serial No.	Name of the standard	Type
22	Interoperability test specifications of electric vehicle conductive charging—Part 2：Vehicle	Industrial
23	Test methods for energy consumption and range of electric vehicles - Part 2: Heavy-duty commercial vehicles	Industrial
24	Test methods for energy consumption of heavy-duty hybrid electric vehicles	Industrial

III Standards Interpretation

A Visual Guide to GB/T 46011.1—2025

Road vehicle—General requirements for greenhouse gas management—Part 1: Terms and definitions

On August 1, 2025, the State Administration for Market Regulation and the Standardization Administration of the People's Republic of China approved and issued GB/T 46011.1—2025 Road vehicle—General requirements for greenhouse gas management—Part 1: Terms and definitions. This standard was proposed by the Ministry of Industry and Information Technology and is under the jurisdiction of the National Technical Committee of Auto Standardization (SAC/TC114).

Please refer to the last page for more details.

IV 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.

V Highlights from Our Partners

WBCSD Transport & Mobility — Key Updates at COP30

Business coalition collaborates to enable billions in transport and mobility decarbonization investments before 2030

As the world convenes in Brazil for COP30, WBCSD's Transport & Mobility members highlight efforts to scale investments in transport decarbonization solutions across regions and vehicle segments and call for strengthened collaboration with governments and financiers to ensure a timely, resilient, and prosperous transition. Key updates and further details can be found via the following links:

- 🔗 Global insights piece from WBCSD: https://www.wbcsd.org/news/business-coalition-collaborates-to-enable-billions-in-transport-and-mobility-decarbonization-investments-before-2030/
- 🔗 Mexico news article: https://www.wbcsd.org/news/collective-action-investment-alliance-to-advance-the-deployment-of-17000-signaled-zevs-in-mexico/
- 🔗 Beyond road webpage: https://www.wbcsd.org/actions/beyond-road

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A Visual Guide to GB/T 46011.1—2025 Road vehicle—General requirements for greenhouse gas management—Part 1: Terms and definitions

Standard Introduction

On August 1, 2025, the State Administration for Market Regulation and the Standardization Administration of the People's Republic of China approved and issued GB/T 46011.1—2025 Road vehicle—General requirements for greenhouse gas management—Part 1: Terms and definitions. This standard was proposed by the Ministry of Industry and Information Technology and is under the jurisdiction of the National Technical Committee of Auto Standardization (SAC/TC114).

Background

1

Responding to national policies

- - Guidelines for Carbon Peaking & Neutrality Standard System: Requires formulating/revising terms for GHG and climate change management.
- - Industrial Carbon Peaking Standard System Guidelines: Mandates standardizing GHG-related concepts (including terms).

2

Industry development needs

- - 2025 Auto Standardization Work Plan: Clearly promotes the release of this standard.
- - Challenge: Inconsistent terminology hinders collaboration across 20+ sub-sectors (steel, batteries, chemicals, etc.).

3

International Standards Harmonization

- - Supports China's participation in international GHG management cooperation.
- - Enhances competitiveness of China's auto industry in global markets via alignment with international standards.

Scope of application

Terms & Definitions: Covers greenhouse gas management for road vehicles at three levels: Basic general level, Organizational level, Product level

Enterprises and their projects/products across the entire road vehicle life cycle, including: Raw material producers, Parts manufacturers, Complete vehicle manufacturers, ELV collecting and dismantling enterprises, Remanufacturing enterprises, Traction battery echelon utilization enterprises

Main content

1. Basic general level: Terms related to greenhouse gas (GHG), life cycle assessment (LCA), accounting & verification, emission reduction strategies, energy, transportation, and packaging.

2. Overall Framework

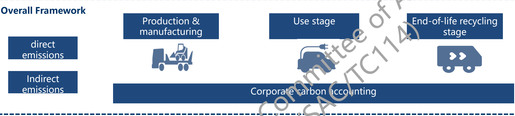
3. Definition of representative terms

Serial Number	the term	definition
1	Carbon footprint labels of a product	A combination of symbols, text, numbers, and signs indicating the product's carbon footprint value, grade, carbon neutrality, and other related information.
2	Transport distance	The distance a transport vehicle travels from the start point to the end point along a specified route.
3	Recycled content method (RCM)	For LCA, a method that only considers environmental impacts/benefits from recycled materials in new products, excluding the allocation of impacts/benefits from end-of-life recycling across different life cycles.

Main content

1. Organizational level: Includes the Production & manufacturing stage, Use stage, End-of-life recycling stage.

2. Overall Framework



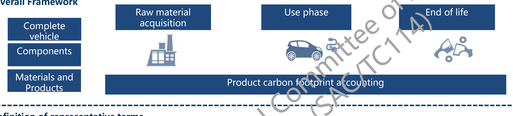
3. Definition of representative terms

Serial Number	the term	definition
1	GHG emissions from vehicle enterprise	GHG emitted by an independently accounted unit (main business: production of complete vehicles such as automobiles, trailers, motorcycles) within a specific period.
2	Automobile production process emissions	GHG emitted by key manufacturing processes (stamping, welding, painting, final assembly) in automobile production.
3	GHG emissions per unit of remanufactured product	The ratio of total GHG emissions of an auto remanufacturing enterprise to the total output of qualified remanufactured products during the statistical reporting period.

Main content

1. Product level: Includes complete vehicle products, parts products and material products.

2. Overall Framework



3. Definition of representative terms

Serial Number	the term	definition
1	Carbon footprint of passenger car	The sum of GHG emissions and removals of a car (max. 9 seats including driver's, designed for carrying passengers/luggage) within a specific life cycle.
2	Use rate of recycled material	The percentage of the mass of a specific recycled element/material in a road vehicle product relative to the total mass of the corresponding element/material in the product.
3	Energy using parts	Components that directly consume energy (vehicle fuel or electricity) during vehicle operation.

Value of the Standard

- Filling the gap and facilitating transformation
- Reduce misunderstandings and improve efficiency
- Standardize terminology and reach a consensus
- Reduce emissions and achieve sustainable development