

Monthly Briefing of China Auto Standardization

July 2025



China Automotive Standardization Research Institute
(CASRI)

I. Policy Updates

01 State Council Briefs on Industrial and IT Development in H1 2025

On July 18, 2025, the State Council Information Office held a press conference to review industrial and information technology development in the first half of the year.

The briefing highlighted strong momentum in the automotive sector. China produced 15.62 million vehicles and sold 15.65 million, up 12.5% and 11.4% year-on-year. New energy vehicle (NEV) production reached 6.97 million units and sales 6.94 million, surging 41.4% and 40.3%. NEVs accounted for 44.3% of new car sales, with cumulative exports reaching 1.06 million units, up 75.2%.

Looking ahead, the Ministry of Industry and Information Technology (MIIT) will focus on two actions: a new round of measures to stabilize growth in machinery, automotive, and power equipment industries; and a push for intelligent and green transformation, including digitalization roadmaps for autos, machinery, and power equipment, as well as green development plans for aviation and shipbuilding.

02 China Issues Notice to Promote High-Power Charging Infrastructure

On July 7, 2025, the National Development and Reform Commission, together with the National Energy Administration, the Ministry of Industry and Information Technology, and the Ministry of Transport, released the Notice on Promoting the Scientific Planning and Construction of High-Power Charging Infrastructure. The document aims to optimize China's charging network and build a rational, advanced, and high-quality system for high-power charging facilities.

The Notice calls for integrating high-power charging facilities into local development plans, focusing on “charge-and-go” scenarios, and requiring that NEV makers' self-built networks be open to all users. It also stresses improving the standards system, accelerating revisions in equipment testing, communication protocols, construction, operation, and safety, and aligning domestic and international standards.

Operators are encouraged to upgrade equipment, localize key components, and pilot megawatt-level charging for heavy trucks, ships, and aircraft. The Notice further highlights the application of smart energy management, drone inspections, and intelligent fire safety to enhance secure and efficient operations.

II. Recent Events Highlight

Global Young Engineer Exchange Program Successfully Held in Tianjin

On July 2, 2025, the Second Global Young Engineer Exchange Program (Go-YEEP), co-hosted by China Automotive Standardization Research Institute (CASRI) of China Automotive Technology & Research Center (CATARC) and Zhejiang Geely Holding Group, concluded in Tianjin.

The three-day program, held in Ningbo and Tianjin, brought together nearly 30 young engineers from three international organizations and 23 national standardization bodies, alongside over 100 representatives from Chinese enterprises. Activities included the “China Day” segment, site visits to innovation bases, labs, and research centers, and in-depth exchanges on industry development, China’s automotive standard system, and internationalization.

Looking ahead, CATARC will continue to support young engineers’ participation in global standardization, fostering mutual empowerment between the automotive industry and youth talent.



III. Standardization Updates in July

01 Standard projects approved and initiated

Serial No.	Name of the standard	Type
1	Road vehicles—In-vehicle Ethernet—Part 8: Electrical 100-Mbit/s Ethernet transmission media, components and tests	National
2	Technical specification for LNG vehicle	National
3	Controllability and stability test procedure for automotive	National
4	Terms and definitions for vehicle controllability and stability	National
5	The assembly of electrical operation sunroof about motor vehicle	National
6	Road vehicles — Electrical performance of starter motors — Test methods and general requirements	National
7	Road vehicles— Ignition systems — Part 2: Electrical performance and function test methods	National
8	Road vehicle—Alternators with regulators—Test methods and general requirements	National
9	Automobiles electric fuel pump —Part 1: Brush' s Electric fuel pump	National
10	Road vehicles-Fuse-link Part3:Fuse-links with tabs(blade type) Type C(medium),Type E(high current) and Type F(miniature)	National
11	Road vehicles-Fuse-link-Part 4: Fuse-links with female contacts and bolt-in contacts	National
12	Road vehicles-Fuse-link Part 5: Fuse-links with axial terminals(strip fuse-links)	National

Serial No.	Name of the standard	Type
13	Road vehicles-Fuse-link Part 1: Definitions and general test requirements	National
14	Road vehicles-Fuse-link-Part 2: User's guidelines	National
15	Limits of dimensions, axle load and masses for motor vehicles, trailers and combination vehicles	National
16	Strength requirement and test of automobile seats,their anchorages and any head restraints	National
17	Performance and installation requirements of rear-views mirrors for motorcycles and mopeds	National
18	Symbols for controls, indicators and tell-tales of motor vehicles	National
19	Structure requirements of low floor public bus and low entry public bus	National
20	Steering system of motor vehicles–Basic requirements	National
21	Plastic tubing for fuel cell electric vehicle hydrogen system	Industrial
22	Automotive wiring harness	Industrial
23	Vehicle air horn	Industrial
24	Automotive paint coating	Industrial
25	Avalanche rectifier diodes for automobiles	Industrial
26	Hose clamps with worm gear drive for Automobile, shape Spring	Industrial
27	Ball joint for motor vehicles	Industrial
28	Automotive starter motors	Industrial
29	Electrical transmission winch for vehicle	Industrial
30	Cylinder liner of automobile engine	Industrial
31	Automobile and motorcycle engine steel belt combined oil ring	Industrial

Serial No.	Name of the standard	Type
32	Container transport semi-trailer	Industrial
33	Electric horn for motor vehicles	Industrial
34	Technical requirements for trailer air suspension	Industrial
35	Test methods for high and low temperature energy consumption of heavy-duty commercial vehicles	Industrial
36	Performance requirements and bench test methods for passenger car electrical brake booster assembly	Industrial
37	The air spring rubber airbag of automobile	Industrial
38	Performance requirements and bench test methods for passenger car integrated brake control assembly	Industrial
39	The technical requirements and bench test methods for aluminum alloy subframe of Passenger car chassis	Industrial
40	Automotive power distribution unit	Industrial
41	Technical Specification for Silicon Carbide-based Metal-Oxide-Semiconductor Field-Effect Transistor Power Modules for Electric Vehicles	Industrial
42	Technical Specification for Silicon Carbide Based Metal-Oxide-Semiconductor Field-Effect Transistor Power Discrete Devices for Electric Vehicles	Industrial
43	Technical Specification for Silicon-based Insulated Gate Bipolar Transistor (IGBT) Power Modules for Electric Vehicles	Industrial
44	Technical specification for silicon-based insulated gate bipolar transistor power discrete devices for electric vehicles	Industrial
45	Compatibility of on-board battery swap system for battery electric commercial vehicles—Part 6: swapping system under chassis technical requirements	Industrial

02 Automotive standards soliciting public opinions

Serial No.	Name of the standard	Type
1	Road vehicles - Design and performance specifications for the WorldSID 50th percentile male side impact dummy - Part 1: Terminology and rationale	National
2	Road vehicles - Design and performance specifications for the WorldSID 50th percentile male side impact dummy - Part 2: Mechanical subsystems	National
3	Road vehicles - Design and performance specifications for the WorldSID 50th percentile male side impact dummy - Part 3: Electronic subsystems	National
4	Road vehicles - Design and performance specifications for the WorldSID 50th percentile male side impact dummy - Part 4: User's manual	National
5	Hybrid III 50th male frontal crash test dummy design specification Part 1: Basic Performance Requirements	National
6	Impact test procedures for road vehicles — Positioning for the WorldSID 50th percentile male side-impact dummy	National
7	Technical specifications of cybersecurity for vehicle chip	National
8	Hydrogen injector for hydrogen vehicle engine	National
9	Installation of the high pressure fuel pump to the gasoline engines with direct fuel injection	National
10	Diesel engines — Fuel injection pumps and fuel injector low-pressure connections —Part 1: Threaded connections	National
11	Dimension of traction battery for electric vehicles	National
12	Guidelines for safety evaluation of electric vehicle traction batteries Part 1: Cell and module	National
13	Guidelines for safety evaluation of electric vehicle traction batteries Part 2: Battery pack and	National

Serial No.	Name of the standard	Type
	system	
14	Safety requirements of conductive charging and discharging for electric vehicles(Amd.1)	National
15	Coding regulation for automotive traction battery(Amd.1)	National
16	The stipulation protecting drivers from being injured by motor vehicle steering mechanism	National
17	Steering system of motor vehicles–Basic requirements	National
18	Electric vehicles safety requirements	National
19	Technical requirements and test methods of automotive satellite positioning chips	Industrial
20	Classification and treatment methods of faults for fuel cell system	Industrial
21	leaf spring of automobile	Industrial
22	Test method for transmission efficiency of passenger car	Industrial
23	Technical Specification for electronic gear shifters assembly of passenger cars	Industrial
24	Performance requirement and test method of seat ventilation system	Industrial
25	Internal/external serration lock washer	Industrial
26	Spring nuts for motor vehicles	Industrial
27	Screw type ball pin for motor vehicles	Industrial
28	Ball pin seat for motor vehicles	Industrial
29	Lead seal	Industrial
30	Sealed parcel delivery systems of vehicles for dangerous goods transport	Industrial

03 Automotive standards reviewed

Serial No.	Name of the standard	Type
1	Road simulation rig test method for motor vehicles structural durability	National
2	Determination method for priority of on-board messages of passenger car	National
3	Specifications of On-board Energy Consumption Monitoring for Passenger Cars	National
4	Off-cycle technology/device energy saving effects evaluation methods for passenger cars — Part 3: Automotive air conditioner	National
5	Test methods for energy consumption of light-duty hybrid electric vehicles(Amd 1)	National
6	Positive crankcase ventilation valve for automotive engines	Industrial
7	Honeycomb metal substrate for exhaust catalytic converter and electric heating units	Industrial
8	Quality inspection and evaluation method of automobile engine products	Industrial
9	Metal fuel tanks for automobiles	Industrial
10	Automobile Radiator	Industrial
11	Fault modes and classification for vehicles	Industrial
12	Intelligent manufacturing of motor vehicle——Function requirements for collaborative development platform	Industrial
13	Intelligent manufacturing of motor vehicle—Mass customization—Part 1: General requirements	Industrial
14	Requirements of the greenhouse gas emissions accounting and reporting——ELV collecting and dismantling enterprises	Industrial

Serial No.	Name of the standard	Type
15	Liquid crystal Instrument for motorcycle	Industrial
16	Speed sensor for motorcycle	Industrial

04 Automotive standards submitted for approval

Serial No.	Name of the standard	Type
1	Wheels for motor vehicles — Surface paint coatings	Industrial
2	Vehicle wheels – balance weight	Industrial
3	Mobile shower bath	Industrial
4	mobile kitchen	Industrial
5	Camp vehicle	Industrial
6	Connector used in automobile wire harness and electrical device Part 3: Type、dimension、test method and requirement of the ring terminal and battery terminal	Industrial
7	Performance requirements and bench test methods of vacuum booster with brake master cylinder for motor vehicle	Industrial
8	Motor vehicles and trailers—Specifications and bench test methods of pneumatic control equipment	Industrial
9	Motor vehicle and trailer—Specifications and test methods of bench for pneumatic regulator and protector	Industrial
10	Pressure switch for automobile	Industrial
11	Hydraulic-type tilting & locking system for the cab of vehicles	Industrial

Serial No.	Name of the standard	Type
12	Control system of fuel evaporative pollutants from Motorcycles with petrol engine	Industrial
13	Specifications and test methods of range extender for electrical vehicles	Industrial
14	Technical specifications and test methods of reduction gearbox for battery electric vehicles	Industrial
15	Specifications and test methods of drive motor controller for electric vehicles	Industrial
16	Electronic toll collection—On board unit integrated circuits Technical requirements and measurement methods	Industrial

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