VDA German Association of the Automotive Industry

Monthly Report

Topics from China; May-2023

Content

Policy and Regulation

MEE & MIIT: Notification on Official Implementation of Vehicle Emission Standard “China VI-b”

On May 8, the Ministry of Ecology and Environment (MEE) and the Ministry of Industry and Information Technology (MIIT), together with other three ministries and departments, jointly issued the official notification on the nationwide implementation of vehicle emission standard “China VI-b” since July 1, 2023.

The “China VI-b” refers to the technical requirements of the second stage of the national standards: GB 18352.6-2016 Limits and measurement methods for emissions from light-duty vehicles (China VI) and GB 17691-2018 Limits and measurement methods for emissions from diesel fueled heavy-duty vehicles (China VI), which will be put into effect by following the Notification:

- Since July 1, 2023, the production, import and sales of vehicles that do not fulfil the “China VI-b” are prohibited nationwide, where the date of production is subject to what’s on the motor vehicle certificate, the date of import is subject to the date of arrival at port as endorsed on the import certificate, and the date of sales is subject to the invoice.
- A six-month transition period is granted to the light-duty vehicles that are reported as “only monitoring” in the real drive emission (RDE) test according to “China VI-b”, namely, the sales of such vehicles is allowed until December 31, 2023.
- The vehicle manufacturer or importer, as the main entity responsible for product consistency management, shall disclose the vehicle information on emission inspection and pollution control technology before leaving the factory or pre-entry to ensure all vehicles produced or imported meet the “China VI-b” requirements.

The introduction of a stricter national emission standard for all new light-duty and heavy-duty vehicles is deemed as important to reduce air pollution and contribute to environmental protection, and it is also expected to promote the healthy development of the domestic vehicle market and stabilize and expand automobile consumption in the country.

NDRC & NEA: Guidelines on Accelerating the Construction of Charging Infrastructure to Better Support New Energy Vehicle Deployment in Rural Areas and Rural Revitalization

On May 17, the National Development and Reform Commission (NDRC) and the National Energy Administration (NEA) jointly released a guideline to support people living in rural areas to purchase and use new energy vehicles (NEVs), with a focus on boosting the construction of charging infrastructures and promoting green transportation among residents.

According to the Guideline, the charging infrastructure system will be developed from:

- Strengthening the construction of public charging infrastructure
- Promoting the sharing of community charging infrastructure
- Optimizing the support for operation of charging networks
- Applying the smart charging models and intelligent technologies e.g., vehicle-to-grid (V2G) technology
- Improving the service experience of charging infrastructure operation and maintenance

Besides, the Guideline also encourages NEV enterprises to optimize their offerings and develop more economically practical vehicle models, including new energy cargo micro-vans, micro-trucks, and light trucks, while providing high-quality used NEVs to the rural market.

As it's analyzed, the potential for promoting NEVs in rural areas might be greater than that in large cities as China is an aging society with enormous opportunities presented by the development of NEVs for middle-aged and elderly people, so this gesture would act as another supportive policy to expand automobile consumption.

NDRC: Administrative Measures for Power Demand Side & Administrative Measures for Power Load _ Draft for Comments

On May 17, the National Development and Reform Commission (NDRC) issued the draft documents of Administrative Measures for Power Demand Side and Administrative Measures for Power Load, both for public consultation by June 18, 2023.

Compared with the previous versions, the new Measures propose the following key updates:

- Adding a chapter on demand response
- Preparing for worst-case scenarios in power safety
- Enriching the contents on green development
- Adopting the novel information technologies

The new Measures also further expand and improve the requirements on electricity conservation and green electricity conservation, add the contents on electricity replacement, and provide effective support for relevant industries.

Meanwhile, in line with the rapid development of up-to-date information technologies, such as cloud computing, big data, internet of things, mobile internet, and artificial intelligence, the new Measures seek to make power consumption more intelligent, raise the power utilization efficiency, and reform the power utilization method.

The automotive industry is specially involved by supporting its development of new energy vehicles, new energy storage functionality, and distributed power supply systems. The consumption of green electricity is also promoted in the leading automotive enterprises, e.g., the large state-owned enterprises and multinational companies.

MIIT: Guidelines for Construction of a Standard System for Industrial Data Security (2023) _ Draft for Comments

On May 22, the Ministry of Industry and Information Technology (MIIT) issued a draft version of "Guidelines for Construction of a Standard System for Industrial Data Security (2023)" (hereafter the "Guidelines") to solicit public comments till June 22, which as an overarching document, aim to promote the standard system for industrial data protection, and lay a solid foundation for national digitalization strategy and high-quality development of the digital economy.

The Guidelines set the general milestones of 2024 and 2026:

- By 2024, a standard system for industrial data security should be initially established, which can support the effective data management of the industry, especially in key industries and enterprises. More than 30 standards will have been drafted, variously of national, industrial, or group standards.
- By 2026, a more sophisticated standard system with optimized structure will have been finished by drafting more than 100 standards, so as to fully implement the data security requirements from the related laws, regulations, and policies, as well as synchronize with industrial development.

The Guidelines also indicate that standard system construction is critical in a country's basic system, playing a fundamental and leading role in the process of achieving industrial data security. Facing the urgent need for standards at present, the Guidelines propose the following six sub-systems:

- Basic universal standards for industrial data
- Standards on data security management
- Standards on data security related technical products
- Standards on security assessment and industry evaluation
- Standards on emerging fields for industrial convergence, e.g., Intelligent manufacturing and Industrial interconnection
- Standards on industries along the supply chain

Via this three-year standardization plan, the MIIT demonstrates that more efforts are needed to enhance capabilities in data management, with a focus on ensuring security in the storage, transfer, and privacy of data. The move came as data security becomes a prerequisite for digital economic prowess and countries worldwide ramp up regulatory measures to better govern and protect data assets.

Automotive Industry Topics

VDA Members CTO & CATARC Management R&D Strategic Workshop

On May 29, VDA China organized a strategic seminar between CTOs from member companies (BMW, Bosch, Continental, Mercedes-Benz, VW) and executives and heads from different departments of CATARC. Through the exchange and discussion on the technical innovation and trend of policies and regulations of China especially safety relevant topics, e.g., data and cyber security, the consensus has been reached that it is crucial to harmonize regulations and standards between EU and China, and among different industries to ensure the safety, which is always the bottom line.

Standardization

Standard Drafts for Public Comments

In May, CATARC released following drafts of standard for comments:

NO.	Name	Release date	Deadline for comments	Note
1	GB XXXX-xxxx Technical requirements for vehicle cybersecurity	2023-05-05	2023-07-05	ECE R155 as reference
2	GB XXXX-xxxx Intelligent and connected vehicle - Data storage system for automated driving	2023-05-05	2023-07-05	
3	GB 11566-xxxx External projections for passenger car	2023-05-05	2023-07-05	Supersede GB 11566-2009

Official Publication of Standards

In May, SAC released following standards:

NO.	Name	Release date	Implementation date
1	GB 15741-1995 No.1 Amendment Sheet The License Plates (Brackets) and Its Position on Motor Vehicles and Trailer	2023-05-23	2026-01-01

SAC/TC114/SC34 Cybersecurity WG Meeting and ICV relevant WG Meeting in Chengdu

From May 8 to 11, the TC114/SC34 organized 15 sub-WG meetings among industry experts according to the annual work plan, incl.:

- Automotive Digital Certificate Application Specification
- Technical Requirements for Automotive Cryptography Application
- Road Vehicle Cyber Security Engineering
- Road Vehicle Software Update Engineering
- Operation Guide of General Technical Requirements for Automotive Software Update
- Technical Requirements for ICV Autonomous Driving Data Recording System (DSSAD)

During the period, in-depth and extensive research and discussion were carried out on the standardization objects, standard frameworks, technical requirements, test methods, etc.

On May 12, the TC114/SC34 organized the 13th meeting of the Automotive Cyber Security Standards Working Group to summarize the recent work progress and determine the following plan. 9 project teams reported their work progress respectively. The participating experts put forward several feasible suggestions on the content of standards drafts to jointly promote progress of standards formulation.

VDA China are closely monitoring the standards status of CS WG in TC114/SC34 together with member companies. Regular meetings will be held internally to share status information and carry out relevant risk evaluation to reach a common position on specific technical challenges.

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