



Official Explanation of GB 44495-2024 *Technical requirements for vehicle cybersecurity*

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Overview

- ▶ *GB 44495-2024 Technical requirements for vehicle cybersecurity* is a mandatory national standard proposed and managed by the Ministry of Industry and Information Technology(MIIT). It was approved and issued by the State Administration for Market Regulation (SAMR) and the Standardization Administration of China (SAC) on August 23, 2024, and will be officially implemented on January 1, 2026.
- ▶ This standard specifies the requirements for automotive cybersecurity management systems, basic cybersecurity requirements, technical cybersecurity requirements, and the determination of the same vehicle type. It describes the corresponding inspection and testing methods.
- ▶ This standard applies to M and N category vehicles, as well as Category O vehicles equipped with at least one electronic control unit.

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Background

- ▶ With the continuous development and application of vehicle intelligence and connectivity, the issue of vehicle cybersecurity has become increasingly severe. A cyberattack could lead to the leakage of users' personal information or remote hacking of vehicle control, resulting in serious consequences that affect the security of users' information and property, and the safety of lives, and potentially endanger societal and national security. Therefore, establishing mandatory technical standards for vehicle cybersecurity has become a necessary requirement for the development of intelligent connected vehicles in China.
- ▶ The formulation and implementation of the mandatory national standard *Technical Requirements for Vehicle Cybersecurity* provide clear technical guidance for industry regulation, establish a baseline for vehicle cybersecurity protection, and ensure the healthy and sustainable development of the intelligent connected vehicle industry.

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