



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 40855-2021

**Technical requirements and test methods for
cybersecurity of remote service and management
system for electric vehicles**

电动汽车远程服务与管理系统信息安全 技术要求及试验方法

(Including Amendment No.1 2025XG1)

Issued on: October 11, 2021

Implemented on: May 01, 2022

Issued by: State Administration for Market Regulation;

Standardization Administration of the People's Republic of China.

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Foreword

This document was drafted in accordance with the rules given in GB/T 1.1-2020, *Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents*.

Please note that some of the contents of this document may involve patents. The issuing organization of this document is not responsible for identifying patents.

This document was proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This document shall be under the jurisdiction of National Technical Committee of Auto Standardization (SAC/TC 114).

The drafting organizations of this document: Neusoft Corporation, China Automotive Technology and Research Center Co., Ltd., Beijing Institute of Technology Xinyuan Information Technology Co., Ltd., Daimler Greater China Ltd., Beijing Qihoo Technology Co., Ltd., Beijing Automotive Technology Center, National Computer Network Emergency Response Technical Team/Coordination Center of China, Volkswagen (China) Investment Co. Ltd., Ford Motor (China) Ltd., FAW Car Co., Ltd., Huawei Technologies Co., Ltd., Dongfeng Motor Corporation Technical Center, China Academy of Information and Communications Technology, SAIC-GM-Wuling Automobile.

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Technical requirements and test methods for cybersecurity of remote service and management system for electric vehicles

1 Scope

This document specifies the requirements and test methods for cybersecurity of remote service and management system for electric vehicles.

This document applies to data communication between the on-board terminals of battery electric vehicles, plug-in hybrid electric vehicles and fuel-cell electric vehicles, vehicle enterprise service and management platforms and public service and management platforms.

2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. For dated references, only the version corresponding to that date is applicable to this document; for undated references, the latest version (including all amendments) is applicable to this document.

GB/T 19596, *Terminology of electric vehicles*

GB/T 32960.1-2016, *Technical specifications of remote service and management system for electric vehicles - Part 1: General principle*

GB/T 32960.3-2016, *Technical specifications of remote service and management system for electric vehicles - Part 3: Communication protocol and data format*

3 Terms and definitions

Terms and definitions determined by GB/T 19596, GB/T 32960.1-2016, GB/T 32960.3-2016, and the following ones are applicable to this document.

3.1

Remote service and management system for electric vehicles

A system for collecting, processing and managing electric vehicle information, and providing information services for networked users. It is composed of a public service and management platform, an enterprise service and management platform and an on-board terminal.

[Source: GB/T 32960.1-2016, 3.1]

3.2

Public service and management platform

A platform, which is established by the state, local government or its designated agency, for data collection and unified management of electric vehicles within the jurisdiction.

[Source: GB/T 32960.1-2016, 3.2]

3.3

Enterprise service and management platform

A platform, which is established by the vehicle companies themselves, or by a third-party technical unit on a commission basis, to manage electric vehicles and users within the service range, and to provide safe operation services and management.

[Source: GB/T 32960.1-2016, 3.3]

3.4

On-board terminal

A device or system, which is installed on the motor vehicle to collect and save the key state parameters of the vehicle and system components, and to send it to the platform.

[Source: GB/T 32960.1-2016, 3.4]

3.5

Client platform

When data is exchanged between platforms, it serves as a remote service and management platform for the sender of vehicle data.

[Source: GB/T 32960.3-2016, 3.1]

3.6