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

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**Security-related misbehavior detection mechanism for
connected vehicles**

车联网网络安全异常行为检测机制

(English Translation)

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1 Scope

This document provides a recommendation for the security-related misbehavior detection mechanism for connected vehicles. The mechanism includes the following steps.

a) Data collection. Describe the data and information types obtained from different sources for misbehavior detection in details, where the sources include vehicles, infrastructure, original equipment manufacturers (OEMs), and suppliers. Data collection methods and procedures are beyond the scope of this document.

b) Detection. Use the collected data to monitor misbehavior.

This document is applicable to the Internet of Vehicles and is intended to facilitate designers and security solution providers to detect cyber security-related misbehavior.

The methods and procedures for data acquisition and the use of notification modules are beyond the scope of this document.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 misbehavior

A behavior of providing false or misleading data in order to hinder other service recipients or to operate in a manner beyond the scope of their authorization. The behavior may originate from components internal or external to the vehicle system.

Note 1: Derived from ISO/TR 17427-4.

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