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General Requirements of Vehicle Data

汽 数据通用要求

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Foreword

This document was drafted in accordance with the rules provided in GB/T 1.1-2020 Directives for Standardization - Part 1: Rules for the Structure and Drafting of Standardizing Documents.

Please be noted that certain content of this document may involve patents. The institution issuing this document does not undertake the responsibility of identifying these patents.

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The main drafters of this document: Qiu Bin, Wu Hanbing, Sun Hang, Xie Hanguang, Zhang Lu, Tian Shengming, Zhang Xiaodong, Jin Xiulian, Xia Xianzhao, Zhao Zijian, Pan Kai, Chen Jinfeng, Zhong Yilin, Wang Jiangsheng, Zhang Yanan, Li Guangyou, Hou Xintian, Bai Zhimin, Fang Jiayi, Wang Wei, Zhang Chunwang, Mou Hongyu, Yan Minrui, Man Zhiyong, Liu Fan, Li Tong, Gu Jinjin, Wu Yan, Zhao Chao, Xia Huan, Pan Yan, Chen

Guihua, Zhu Chenwei, Zhao Wen, Shi Jianping, Cheng Zhou, Qi Shuai, Li Yujia, Li Xuesong, Teng Tianyi, Zou Bosong, Zou Xue, Tang Yan, Huo Yanyan.

1 Scope

This document specifies the general requirements, personal information protection requirements, important data protection requirements, audit and evaluation, and test requirements for data generated and collected during the R&D, design, production and manufacturing processes of automotive products, and describes the corresponding test methods.

This document applies to automotive products and vehicle data processors.

2 Normative References

This document does not have normative references.

3 Terms and Definitions

The following terms and definitions are applicable to this document.

3.1 collect

The act of obtaining vehicle data in a certain mode.

A systematic approach to standardize the process of vehicle data processing activities to ensure vehicle data security.

3.3 cabin data

Data that may contain personal information collected from the car cabin through various means, such as: cameras, infrared sensors, fingerprint sensors or microphones, as well as data generated after processing.

3.4 personal information subject

The natural person identified by personal information.

3.5 face object

The part between the uppermost tip of the eyebrows and the bottom line of the chin, and between the left ear and the right ear (excluding the ears) on the front of a natural person's head.

3.6 face boundary frame

3.7 vehicle license plate object

An official motor vehicle license plate installed on a vehicle with a metal base material.

3.8 vehicle license plate boundary frame

3.9 mask covering rate

The ratio of the anonymization area within the face or license plate boundary frame to the area of the entire boundary frame.

face boundary frame area, the dotted line part is the anonymization area, the shaded part is the overlapping area of the solid line part and the dotted line part, and the mask covering rate is the area ratio of the shaded part to the solid line part.

3.10 detection rate

The percentage of the number of positive detections of face or license plate object to the expected number of detections.

accordance with the requirements of this document.

accordance with the requirements of this document.

3.11 false detection rate

The percentage of the number of false detections of face or license plate object to the number of detected objects.

that do not satisfy the definition of anonymized objects in this document.

4 General Requirements

4.1 Requirements for Vehicle Data Security Management System

4.1.1 Vehicle data processors shall establish and implement a vehicle data security management system and adopt vehicle data security protection technical measures to ensure that vehicle data is continuously effectively protected and legally used. 4.1.2 Vehicle data processors shall formulate vehicle data security objectives and policies, analyze the internal and external environment of the vehicle data security management system, and determine the boundaries and scope of application of the vehicle data security management system. 4.1.3 Vehicle data processors shall establish a vehicle data security management institution and determine the responsibilities of relevant personnel. 4.1.4 Vehicle data processors shall establish a vehicle data classification and grading system and form a vehicle data asset management ledger. 4.1.5 Vehicle data processors shall formulate specific hierarchical protection requirements and operating procedures for data collection, storage, use, processing, transmission, provision, disclosure, and deletion processes for the entire life cycle of vehicle data. 4.1.6 Vehicle data processors shall at