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Smart city-Smart parking-Part 2: Data requirements

智慧城市 智慧停车 第2部分：数据要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is Part 2 of GB/T 42442 Smart Parking for Smart Cities. GB/T 42442 has been published in the following parts.

- Part 1: General requirements;

- Part 2: Data requirements;

- Part 3: Platform technical requirements.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed and coordinated by the National Information Technology Standardization Technical Committee (SAC/TC28).

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Introduction

Parking is one of the important social issues related to urban development and people's livelihood.

With the in-depth promotion of smart parking, smart parking has become an important measure to solve the parking problem in cities in China.

The development of smart parking has become a common goal in the industry, promoting the interconnection and interoperability of parking information, achieving efficient use and reasonable allocation of parking resources, and formulating relevant standards for smart parking.

GB/T 42442 "Smart Parking in Smart Cities" aims to provide guidance for the planning, design, construction and It provides the basis for operation and maintenance, and is planned to consist of three parts.

- Part 1: General requirements. The purpose is to establish the overall architecture of smart parking and specify the smart parking IoT perception, network communication Basic requirements include communication, computing storage, data support, application

services, and security.

- Part 2: Data requirements. The purpose is to standardize the data classification and data elements of smart parking, and to specify data management, data Requirements for data collection, data transmission, data processing, data storage, data sharing and exchange, and data security.

- Part 3: Platform technical requirements. The purpose is to establish the overall architecture of the smart parking platform and specify the number of layers of the platform infrastructure Technical requirements include data layer, application service layer, operation and maintenance management, security management and platform interface. Smart City Smart Parking Part 2: Data requirements

1 Scope

This document provides the classification and data elements of smart parking data, and specifies the requirements for data management, data collection, and data transmission.

Data processing requirements, data storage requirements, data sharing and exchange requirements, and data security requirements.

This document applies to the overall planning and development and utilization of smart parking data, and also applies to the planning, design and development of smart parking related projects or systems.

Design, construction and operation and maintenance.

2 Normative references

GB/T 19488.1-2004

GB/T 35273-2020

GB/T 36344-2018

GB/T 36625.5-2019

GB/T 39477-2020

GB/T 39786-2021

GB/T 40689-2021

GB/T 41479-2022

GB/T 42442.1-2023

3 Terms and definitions