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**Smart city-Intelligent multi-function pole system-Funtional
requirements**

智慧城市 智慧多功能杆系统 功能要求

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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 is required.

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Smart City Smart Multifunctional Pole System Functional requirements

1 Scope

This document provides the system functional architecture of the smart multifunctional pole system in the smart city scenario, specifies the system functional requirements, system installation Comprehensive requirements and system operation and maintenance requirements.

This document is applicable to the planning, design and construction of smart multi-functional pole systems in scenes such as urban roads, squares, scenic spots, parks and communities.

And operation and maintenance.

2 Normative references

GB/T 4208-2017

GB 4943.1

GB/T 22239-2019

GB/T 36626-2018

GB 50343

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Intelligent multi-function pole body

It can mount various terminal devices, provide the required communication, data exchange, power supply, and interface for the mounted devices and related devices, and can be used in Empowered by information and communication technologies such as artificial intelligence, cloud computing, and big data, pole and tower-shaped infrastructure provides a variety of intelligent services for various application scenarios.

A general term for infrastructure.

3.2 Intelligent multi-function pole system

The smart multifunctional pole and the terminal equipment mounted thereon, as well as other equipment and devices required to realize the expected functions of the mounted terminal equipment.

A system consisting of infrastructure, management platform and other hardware and software.

3.3 Management Platform

As a software system of the intelligent multifunctional pole system, it is responsible for other components and data in the intelligent multifunctional pole system.

collection, monitoring, control and management of Note 1. The management platform refers to the smart multi-functional pole management platform.

Note 2. The management platform stores the perception data of the intelligent multi-functional pole-mounted equipment, monitors the status, alarms, fault information, etc. of the pole and the mounted equipment, and can access Analyze, mine and apply the data collected by the equipment.