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PEOPLE'S REPUBLIC OF CHINA**

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Replacing GB/T 36621-2018

Smart city - Guideline for information technology operation

智慧城市 信息技术运营指南

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Table of Contents

Preface	III
Introduction	IV
1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Abbreviations	1
5 Overall framework	2
6 Operational Content	2
6.1 ICT Infrastructure Operation	2
6.2 Common Support Platform Operation	4
6.3 Data Operation	6
6.4 Application Operation	8
6.5 Security Operations	11
7 Operations Management Tools13	13
7.1 Overview	13
7.2 Operation management function	13
7.3 Development Function	13
8 Operation Model13	13
8.1 Classification of operating models	13
8.2 Government assets - government operations	14
8.3 Government assets-enterprise operations	14
8.4 Corporate assets - corporate operations	14
9 Operation Management System14	14
9.1 Overview	14
9.2 Operational Organization	14
9.3 Operational Process	14
9.4 Operational Evaluation	15
References	16

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 replaces GB/T 36621-2018 "Smart City Information Technology Operation Guidelines". Compared with GB/T 36621-2018, In addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) Changed the "Overall Framework for Smart City Information Technology Operations" and the overall framework description (see Chapter 5, 5.1 of the 2018 edition);
- b) Deleted the description of "computer room" operation (see 6.2 of the 2018 version);
- c) Changed the description of the operation of "IoT sensing infrastructure" (see 6.1.2, 6.3 of the 2018 version);
- d) Changed the description of "network communication infrastructure" operation (see 6.1.3, 6.4 of the 2018 edition);
- e) Changed the description of "Computing and Storage Infrastructure" operations (see 6.1.4, 6.5 of the 2018 version);
- f) Added descriptions of "cloud service infrastructure" operations (see 6.1.5);
- g) Added descriptions of the operation of the "common support platform" (see 6.2);
- h) Added the description of "Data Resource Management" (see 6.3.2);
- i) Changed "operation preparation" to "circulation preparation" and adjusted the relevant descriptions (see 6.3.3.1, 7.2 of the 2018 edition);
- j) Changed the description of "data sharing" (see 6.3.3.2, 7.3.1 of the 2018 edition);
- k) Changed the description of "Data Openness" (see 6.3.3.3, 7.3.2 of the 2018 version);
- l) Changed the description of "data transaction" (see 6.3.3.4; 7.3.3 of the 2018 edition);
- m) Changed "information system operation" to "application operation" and adjusted the relevant description (see 6.4, Chapter 8 of the 2018 edition);
- n) Changed the description of "Security Operation" (see 6.5, Chapter 9 of the 2018 edition);
- o) Added a chapter on "Operational Management Tools" (see Chapter 7);
- p) Changed the classification of operating models and related descriptions (see Chapter 8, Chapter 10 of the 2018 edition);
- q) Added a chapter on "Operation Management System", included "Operation Evaluation" as a clause in the chapter on "Operation Management System", and changed the relevant Description (see Chapter 9, Chapter 11 of the 2018 edition).

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 Technical Committee for Information Technology Standardization (SAC/TC28).

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The previous versions of this document and the documents it replaces are as follows.

- First published in 2018 as GB/T 36621-2018;
- This is the first revision.

Introduction

Smart city operation is a continuous and complex project involving diversified industrial ecology, organizational structure, business model, technology, business, flow, etc.

Through government guidance, we encourage government-enterprise cooperation and multi-party participation, which is conducive to exploring and innovating smart city construction and operation models.

Effective operation activities and operation systems can optimize the ecology of smart cities and promote the development of technology.

In order to solve the practical problems faced by China's smart city operations and fully consider the construction and Based on the latest concepts of urban operation and management at home and abroad, this document scientifically understands the connotation of smart city operation and Digital tools and platforms build smart city operation capabilities

and provide support for the sustainable development of smart cities.

1 Scope

This document provides the overall framework of smart city information technology operations, and provides the content, operation management and operation management of smart city information technology operations.

Provide suggestions on tools, operation models and operation management systems.

This document applies to the establishment and management, operation supervision and evaluation of smart city information technology operation systems.

2 Normative references

GB/T 31167-2023

GB/T 36326-2018

GB/T 36622.1-2018

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Smart City

Use information and communication technology to effectively integrate various urban management systems, realize information resource sharing and business collaboration among various urban systems, and promote Promote the intelligentization of urban management and services, improve the level of urban operation management and public services, increase the happiness and satisfaction of urban residents, and realize sustainable development.

An innovative city that continues to develop.

Note 1.ISO (International Organization for Standardization) defines smart cities as. "the effective integration of physical, digital and human systems in the built environment to Providing citizens with a sustainable, prosperous and inclusive future" [ISO /IEC 30182 2017, definition 2.14].

Note 2.ITU-T (International Telecommunication Union Telecommunication Standardization Sector) emphasizes sustainable development and defines smart sustainable city as "Use information and communication technologies and other means to improve the quality of life, efficiency of urban operations and services, and urban competitiveness, while ensuring that An innovative city that meets the economic, social, environmental and cultural needs of present and future generations" [ITU-TY 4900/L 1600, definition 3.2.2].