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

GB/T 30428.1-2013

**Information system for digitized supervision and management
of city -- Part 1: Basic management grid
(English Translation)**

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Foreword

GB/T 30428 "digital city management information system" is divided into eight sections.

- Part 1. grid of cells;
- Part 2. Parts and event management;
- Part 3. geocoding;
- Part 4. Performance Evaluation;
- Part 5. Regulatory information collection device;
- Part 6. Acceptance;
- Part 7. Regulatory information collection;
- Part 8. filing, disposal and closed.

This section GB/T Part of 130,428.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This part is proposed by the Ministry of Housing and Urban-Rural Development.

This part of the National intelligent buildings and residential areas digital Standardization

Technical Committee (SAC/TC426) centralized.

This section is drafted. Beijing Dongcheng District Urban Management Supervision Center, a comprehensive survey and study construction and Design Institute Limited, Beijing Digital Masamichi Technology Co., Ltd. in Yantai City, digital city management supervision center, Pudong New Area of Shanghai urban grid management and supervision center, Digital city management information processing center in Hangzhou, Chengdu City Authority, Yi Zhi Rui (China) Information Technology Co., Ltd. Nanning City Management Command center.

Introduction

In order to regulate the construction and operation of digital city management information system to achieve integration and sharing of information resources, promote the use of digital city Management model to improve the level and efficiency of urban management and public services, the development of GB/T 30428.

GB/T 30428 relates to the digital city management refers to the municipal engineering facilities, municipal utilities, city environment and environmental order such as supervision and management.

Digital city management information system Part 1. grid of cells

1 Scope

GB/T 30428 provisions of this part of the principle of division of digital city management unit grid, coding rules, data requirements and graphs on Delta and so on.

This section applies to the element mesh and manage digital city management information system construction and operation. Other cities in management applications may refer to.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2260 People's Republic of China administrative division code GB/T 10114 county level administrative divisions coding rules for GB/T 20257.1 national basic scale map Schema Part 1. 1.5001.10001.2000 Topographical Map

3 Terms and Definitions

The following terms and definitions apply to this document.

Digital city management information system

information system for digitized supervision and management of city Data-based computer hardware, software and network environment, integrated geospatial framework element mesh data, data management component, and events, geographical Multiple data sources coded data, etc., through a multisectoral share information, work together to achieve the municipal engineering facilities, municipal utilities, City environment and environmental monitoring and so on order management, supervision and administration departments integrated information professional performance evaluation system.

Element mesh basic management grid Supervision and management of the basic unit of digital city management. Based on a large scale urban basic geographical data, according to the digital city management We need to work, in accordance with the principle of division, clear boundary polygon area.

4 Principle of classification

4.1

Legal basis of the principle. element mesh division should be based on statutory town basic geographic data, which corresponds to the scale or 1:500 1:1000 appropriate and should not be less than 1:2000.

4.2

principle of territorial management. the maximum boundary element mesh should be for the community (village) boundaries should not cross community (village).

4.3

Geographical distribution principle. unit mesh should be in accordance with the city's streets, roads, courtyards, public green spaces, squares, bridges, open space, water, hills, etc.

Geography is divided, and the cell of the grid shall not cross the border and building management objects.

4.4

Principles appropriate size. the downtown area should element mesh is about 10000m²; other regions according to their topographic features, management