Chapter 4
Interpretation of the Construction Standard of Smart City Standard Systems

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ABSTRACT

Intelligent cities are the inevitable trend of urban information construction, but in this inevitable trend, how one ensures the construction achievement of smart city, takes full action to maximum efficiency of information, and avoids losses are very worthy of consideration. Based on the background of intelligent cities, this chapter explains the related concept of management and service and risk and operation. Clarifying the related problems, and giving relevant suggestions as well as applications based on the current social development, further direction is provided.

1. INTRODUCTION

The construction of smart city has become an important strategy to promote the construction of new urbanization and the sustainable development of cities in China (Zhen and Qin,2014). After the financial crisis in 2008, IBM put forward the idea of "smart Earth", which triggered the upsurge of smart city construction. In China, the pilot work of national smart cities has been carried out since 2011. At the same time, domestic research institutes and scholars actively began the research work of smart city

standardization. From abroad to home, researchers focus on the work of smart basic common standards, key technology standards and evaluation index system. On March 25, 2016, the "2016 China Smart City (International) Innovation Conference smart City Standards -- Innovation and Evaluation" forum was held in Jinan. Dai Hong, a delegate at the meeting, said that smart city is a new idea and a new model to promote urban development by using the new generation of information technology (Lu,2016). Naturally, Smart urban management is a new mode of urban management based on the new generation of information and communication technology, and it is faced with the innovation of knowledge society. From digital part to intelligent urban management, it will not only change the technical means, but also change management concept, management objects, participants, and management mode (SAMS&CNSMC,2018). The most important work is to establish and improve the smart city standard system and evaluation index system, guide and standardize the construction and management of smart city, promote the pooling, sharing, development and utilization of urban information resources, ensure network security, and ensure the improvement of urban construction and service quality. In addition, the residents of smart city also need to establish and improve security awareness, understand potential threats, raise practically situational awareness, and put pressure on the municipal authorities to control the risk level to the lowest level (Sun,2018). For example, safety measures must be included in the design process of any smart city, and the current safety measures must be carefully reviewed. In general, Intelligent city management and public service, smart city operation and risk control are important aspects of smart cities.

2. BACKGROUND

Sun (2018) considered that intelligent city should need making full use of the Internet, cloud platform, big data, and other emerging information technology for construction. However, meeting the requirements of "smart" needs the formulation of relevant national standards, systematic guidance and specifications, and objective evaluation of the construction results in accordance with the standards. Terms and definitions commonly used in the field of smart city, include seven-related terms, such as basic terms, framework and model, resources of data, infrastructure and platforms, support technology, risk and security, management and service, they are applicable to the planning, design, operations implementation as well as maintenance of smart city(Sun, 2018). Song et al. (2014) believed that urban management is an open and complex giant system, and it must approach modern urban management problems from a systematic perspective. It can use the advanced information technology to make the intelligent management and operation of the city, in order to create a better life for people in the smart city and promote the sustainable and harmonious growth of the city. Firstly, as for the management and service, the smart city nowadays starts to publish digital management, which combines computer networks, global GPS system, geography information system, to realize efficient and effective integrated information system of dynamic urban supervision and management. Urban traditional municipal management and social services show a highly integrated trend. Secondly, as for the risk and operation part, which is related to the potential danger and problems when the smart city is working, will focus on preventing the possible problems in relation to privacy problems and digital operation weaknesses. Any method of safety measures is ought to be included in the process of the smart city, and the current existing safety measures are ought to be carefully cared. Furthermore, the residents of the smart city also must create and improve their security awareness, understand, and practice the potential threats and the situational awareness, as well as putting pressure on authorities to control the risk in the lowest level. Finally, it is ought to be stressed that the

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