



BSI Standards Publication

Smart community infrastructure — Guidance for the development of smart building information systems

National foreword

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Smart community infrastructure — Guidance for the development of smart building information systems

*Infrastructures urbaines intelligentes — Lignes directrices pour le
développement du système d'information des bâtiments intelligents*



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Foreword

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This document was prepared by Technical Committee ISO/TC 268, *Sustainable cities and communities*, Subcommittee SC 1, *Smart community infrastructures*.

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Introduction

As the urban population grows, problems such as a shortage of resources, pollution, traffic congestion, and potential safety hazards are becoming increasingly common. In order to solve the problems of urban construction and governance, smart communities are developing. As one of the most critical components in the functioning of a city, the development of smart building information systems has been put on the agenda. A smart building is a new model for the sustainable development of cities, by making intelligent responses to the needs of urban activities through the use of information and communication technology to sense, analyse and integrate the key information of the core system of urban operations.

The development of smart building information systems is an important way to enhance building management and create a liveable built environment. While leading the application of information technology and improving the social comprehensive competitiveness of the construction industry, the development of smart building information systems contributes significantly to the changing industrial structure and industrial economic development.

This document is intended as a reference for government and enterprises, organizations and individuals who are responsible for, or need to develop, smart building information systems. This document helps to provide an important description of the principles for the construction of smart building information systems and the interconnections of subsystems. Recommendations are proposed for the layers of information systems and data management.

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