

ICS 35.240.01

CCS L 70



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

GB/Z 42759-2023

**Smart city - Classification guide for application scenarios of
artificial intelligence technology**

智慧城市 人工智能技术应用场景分类指南

Issued on: May 23, 2023

Implemented on: December 1, 2023

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

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Foreword

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As one of the country's "new infrastructure", artificial intelligence technology is an important "basic" to help the development of the digital economy and promote the construction of a smart and harmonious society: Stone": In recent years, more and more artificial intelligence technologies have been applied to the upsurge of smart city construction in various parts of my country: However, due to the The overall city construction is in its infancy, and artificial intelligence technology itself is also undergoing rapid development and iteration: Lack of scientific and comprehensive understanding of the application fields and functional categories of technology, resulting in a lack of basis in planning and application, blind construction and difficulties in construction and so on: In order to avoid problems such as ambiguity in understanding, difficulty in construction, and waste of resources in the application of artificial intelligence technology, it is necessary to effectively An effective method to sort out and guide the application of artificial intelligence technology to ensure the correct development and application of artificial intelligence technology in the smart city scene: This document fully sorts out the application of artificial intelligence technology in the areas of smart cities such as people's livelihood services, urban governance, industrial economy, and ecological livability: Typical application scenarios can provide guidance for smart city-related planning units and artificial intelligence technology application units, and help artificial intelligence technology in Healthy development and utilization of the smart city field: Application Scenarios of Artificial Intelligence Technology in Smart City Category Guide

1 Scope

This document gives guidance on classifying the application scenarios of artificial intelligence in a smart city: the domains in which AI is deployed across urban management, and how those deployments are grouped and described. Chinese cities have been buying AI systems faster than anyone has been describing what they do. A classification is the precondition for everything that follows - procurement that compares like with like,

evaluation that means something, and eventually regulation that can name what it is regulating. This document is that first step, published in 2023 and now the reference the later AI documents build on. Issued on 23 May 2023 by SAMR and SAC as a guiding technical document, in force from 1 December 2023. Useful to any vendor positioning an urban AI product for the Chinese market, and to anyone studying how China organises the field.

This document describes the classification method for the application scenarios of artificial intelligence technology in the field of smart cities, and provides The category and description of artificial intelligence technology application scenarios in economy and ecological livability: This document is applicable to guide the development and application of artificial intelligence technology in smart city scenarios:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document:

GB/T 41867-2022 Information Technology Artificial Intelligence Terminology

3 Terms and Definitions

The terms and definitions defined in GB/T 41867-2022 apply to this document:

4 Abbreviations

The following abbreviations apply to this document: AR: Augmented Reality (AugmentedReality) VR: Virtual Reality (Virtual Reality)

5 Overview

The application scenarios of artificial intelligence technology described in this document mainly include four major areas: people's livelihood services, urban governance, industrial economy and ecological livability: The classification of application scenarios is shown in Table 1: This document describes application scenarios in a hierarchical manner according to different categories: Application scenarios are divided into four categories:

- a) Large categories of application scenarios are divided from the perspective of urban functions, namely "people's livelihood services", "urban governance", "industrial economy", and "ecological livability";
- b) The medium application scenarios are decomposed from the perspective of the industry

field, such as "people's livelihood services" are divided into "smart government affairs" and "smart government affairs": Smart Transportation, Smart Healthcare, etc.;

c) Small application scenarios decompose medium application scenarios from the perspective of user objects or business functions: For example, "smart government affairs" is divided into natural person/legal person", "government service personnel", "efficiency supervision personnel", etc.;

d) Sub-category application scenarios decompose sub-category application scenarios from the perspective of industry functional requirements, each sub-category application scenario is determined by specific function It can be supported, such as "natural person/legal person" including "smart appointment" and "smart identity authentication":