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**Internet of things - Application information services
classification**

物联网 应用信息服务分类

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Internet of things - Application information services classification

1 Scope

This standard specifies the rules and categories for the application information services classification of Internet of Things.

This standard applies to the planning, design, research & development, application of the application system of Internet of Things.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this standard.

GB/T 33474-2016 Internet of things - Reference architecture

GB/T 33745-2017 Internet of things - Terminology

3 Terms and definitions

The terms and definitions defined in GB/T 33745-2017, GB/T 33474-2016 and the following apply to this document.

3.1

Application information service

The information service mode wherein the information technology such as the Internet of Things, cloud computing, big data, etc. is used to collect, process and analyze data or information in the system or other systems, to provide system users with more timely, effective and sufficient application information resources, as well as an interaction.

4 General

4.1 Classification rules

5 Classification of user domain's application information service

User domain's application information services are divided into three categories: government user's application information services, public user's application information services, business user's application information services. The classification codes are as shown in Table 2.

Table 2 -- Classification code of user domain's application information service

Code			Category	Descriptions
Large category	Medium category	Small category		
A user domain	A01 Government users	A0101	Central government's application information service	Central Political Bureau and its Standing Committee, Central Military Commission, Central Commission for Discipline Inspection, Supreme People's Court, Supreme People's Procuratorate, National People's Congress and its Standing Committee, State Council, various departments under the Central Government
		A0102	Province / Autonomous Regional People's Government / Municipal People's Government's application information service	Party Committees, People's Congresses and their standing committees, People's Governments, State-owned Assets Supervision and Management Committees, Development and Reform Committees, Economic and Information Committees, Health and Family Planning Committees, Disciplinary Inspection Committees, Agricultural Committees, Ethnic Affairs Committees, Provincial-level Offices and bureaus and departments
		A0103	Government affairs application information service of Special Administrative Region	Office network of the government affairs department and the five divisions and fourteen bureaus
		A0104	Municipal government's application information service	Municipal Office, State-owned Assets Supervision and Administration Commission, Development and Reform Commission, Construction Commission, Population and Family Planning Commission, Disciplinary Inspection Commission, Agriculture Commission, Ethnic Affairs Commission, municipal departments and bureaus
		A0105	County government affair's application information service	County Party Committee, County Government, People's Congress, CPPCC, Discipline Inspection Commission, Procuratorate, Court, County-level departments and bureaus

Table 6 -- Classification code of application information service in perception control domain

Code			Category	Descriptions
Large category	Medium category	Small category		
E Perception control domain	E01 Gateway application information service	E0101	Gateway services	Include collaborative processing, protocol conversion, transmission, etc.
	E02 Application information service for perception control system	E0201	Sensor network application services	Include data acquisition, networking, collaborative processing and control, etc.
		E0202	Tag identification application services	Include identification, reading, transmission, etc.
		E0203	Location application services	Include location data collection, location data processing, positioning, etc.
		E0204	Smart device access's application services	Include device identification, access, etc.

10 Classification of extension domain of IoT application information service

10.1 Extension principle

The expansion principle is as follows:

- When the application requirements can be met, it shall use the existing application information services preferentially, without the need to expand new application information services;
- It allow more detailed explanations of existing IoT application information services than this standard;
- The extended IoT application information service shall not change the classification, name, etc. of the existing application information service in this standard;
- The code classification of the extended IoT application information service shall comply with the provisions of 4.1.

10.2 Extension types

Extension types include:

- Adding new categories;

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