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Internet of things-General technical requirements for ubiquitous-terminal operating system

物联网 泛终端操作系统总体技术要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing

organization of this document does not assume the responsibility for identifying patents.

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General technical requirements for pan-terminal operating systems for the Internet of Things

1 Scope

This document specifies the overall technical architecture of the pan-terminal operating system in the field of the Internet of Things, and proposes The relevant technical requirements.

This document is applicable to the design, development and testing of pan-terminal operating systems in the field of the Internet of Things, and is also for pan-terminal manufacturers and application software developers. Merchants provide reference.

2 Normative references

GB/T 39786-2021

GB/T 42760-2023

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 ubiquitous-terminal

An intelligent terminal adapted to ubiquitous computing technology, with the ability to perceive, calculate, process, control and access the network, and may have storage, Human-computer interaction capabilities may have intelligent capabilities such as learning and decision-making.

Note. Common pan-terminals mainly include mobile smart terminals, smart TVs, smart refrigerators, smart water meters, smart gas meters, car terminals, industrial central control, etc.

3.2 operating system

Software that controls the execution of various programs and provides services such as resource allocation, scheduling, input and output control, and data management.

[Source. GB/T 11457-2006, 2 1055, modified]

3.3 Ability component

The smallest unit of system scheduling application, a component that can complete an independent function.

NOTE. An application can contain one or more capability components.