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ICS 35.210
CCS L77

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6483-2025

Technology specification of ubiquitous computing

泛在计算总体技术要求

(English Translation)

Issued on: July 2, 2025 **Implemented on: November 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6483-2025 was issued by Ministry of Industry and Information Technology on 2 July 2025 and has been in force since 1 November 2025.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the design goals, overall architecture, and technical requirements for ubiquitous computing, including the technical requirements for the infrastructure layer, orchestration and scheduling layer, and operation and transaction layer. This document is applicable to computing power service providers providing relevant technical guidance for computing power management and operation oriented towards ubiquitous computing architecture.

YD/T 6483-2025 falls under ICS 35.210, in the field of information technology.

This catalogue holds 725 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB/T 25000.51-2016 - Systems and software engineering -- Systems and software Quality Requirements and Evaluation (SQuaRE) -- Part 51: Requirements for quality of Ready to Use Software Product (RUSP) and instructions for testing

GB/T 20918-2007 - Information technology - Software life cycle processes - Risk management

GB/T 11457-2006 - Information technology Software engineering terminology

YD/T 7029-2026 - Technical requirements and testing methods on generic knowledge graph tool

YD/T 6682-2026 - 5G MEC edge cloud platform capability requirements

YD/T 6116.5-2025 - Computing Power Interoperability Requirements - Part 5: Computing Power Identification

5 Classification and status

International classification (ICS): 35.210

Chinese Standard Classification (CCS): L 77

Prefix YD/T: recommended standard.

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