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**NATIONAL STANDARD OF THE  
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**GB/T 44463-2024**

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**Technical requirements for internet data centres (IDC)**

互联网数据中心(IDC)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. This document was proposed by the Ministry of Industry and Information Technology of the People's Republic of

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## 1 Scope

GB/T 44463-2024 sets the overall technical requirements for internet data centres in China. Data centres are the subject of unusually direct state attention there: the national computing network programme moves capacity to where the power is, the energy efficiency limits are set centrally and enforced through project approval, and a centre that cannot show its PUE and its utilisation does not get built. This standard is the document those expectations are written into. It sets the general and basic requirements for the infrastructure and for the IT equipment, and then the requirements under four headings, high technology, high energy efficiency, high security and high computing power, each addressed for the infrastructure and for the equipment, with a normative annex giving the key indicator requirements for the equipment and components. For an operator, a designer, an equipment supplier or an authority assessing a data centre project in China, this is the reference the assessment works from.

This document specifies the requirements for Internet data centers (IDCs) and their equipment in five aspects. basic requirements, high technology, high energy efficiency, high security, and high computing power. Technical requirements of the surface. This document applies to the planning, design, construction, operation, maintenance and evaluation of Internet data centers (IDCs) and equipment.

## 2 Normative references

The contents of the following documents constitute essential clauses of this document

through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB 3445-2018 Indoor fire hydrants

GB/T 3797-2016 Electrical control equipment

GB/T 4208-2017 Enclosure protection degree (IP code)

GB 4943.1-2022 Audio, video, information technology and communication technology equipment Part