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

GB/T 44277-2024

**Technical requirements for the Chinese character table of
Chinese domain names**

中文域名字表技术要求

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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 China. This document is under the jurisdiction of the National Communications Standardization Technical Committee (SAC/TC485). This document was drafted by: China Internet Network Information Center, Jinan University, Computer Network Information Center of Chinese Academy of Sciences, Guangdong Yingshiji Computer Technology Co., Ltd., China Academy of Information and Communications Technology, Tsinghua University, Internet Society of China, China Telecom Co., Ltd., China Communications China Telecommunication Standardization Association, China Unicom Group Co., Ltd., and China Mobile Communications Group Co., Ltd. The main drafters of this document are: Li Hongtao, Yao Jiankang, Yang Xue, Hu Anlei, Zeng Yu, Geng Guanggang, Li Yanbiao, Pei Wei, Zhou Linlin, Zhang Man, Dong Kejun, Yan Zhiwei, Zhong Rui, Zheng Hui, Wang Chao, Li Yu, Cai Qing, Wu Xiucheng, Zhang Wenwei. Technical Requirements for Chinese Domain Name Table

1 Scope

GB/T 44277-2024 specifies the character table that a Chinese domain name is registered against, and the rules for using it. The problem it solves is particular to Chinese and

unavoidable: the same word can be written in simplified or traditional characters, many characters have variant forms, and a naive registration system would let one party register the simplified form of a name and another the traditional form, producing two domains that read identically to a user and belong to different people. The registration table and the variant rules in this document are what prevent that. The document specifies the registration character table itself, carried in two normative annexes of more than 870 pages, one with the recommended characters in simplified form and one in traditional form, and it specifies the rules and the method by which a registry applies the table when a name is registered, including the generation and the disposition of the variant set of a requested label. For a domain registry, a registrar, a brand protection service or anyone operating in the Chinese internationalised domain name space, this is the authoritative table.

This document specifies the registration word list to be referred to when registering Chinese domain names and the corresponding usage of the word list. This document is applicable to domain name registration management institutions at all levels, domain name registration service providers and software manufacturers for Chinese domain name related applications. Use or service.

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/T 44266-2024 General Technical Requirements for Chinese Domain Names UNICODE

3 Terms, definitions and abbreviations

3.1 Terms and Definitions The following terms and definitions apply to this document.

3.1.1 character Chinese characters are allowed for Chinese domain name registration.

3.1.2 codepoint Follow the UNICODE

3.2 encoding rules and assign a unique number to each character.

3.1.3 Provides the range of registered characters used in domain name registration and management, as well as the mapping relationship between characters corresponding to simplified, traditional and variant forms. The format is divided into four columns, the first column is the valid character column, the second column is the recommended character column, and the third column is the variant character column. Note

3.2 Version

3.2 of the character encoding standard established by the UNICODE Coding Committee in.2002 (UNICODE

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