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

GB/T 46465-2025

**Chinese internet email addresses - Technical requirements for
post office protocol support**

中文电子邮件地址 邮局协议（POP）技术要求

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the Ministry of Industry and Information Technology of the People's Republic of China. This document was drafted by: China Internet Network Information Center, Guangdong YingShi Computer Technology Co., Ltd., and Computer Network Research Institute of the Chinese Academy of Sciences. Information Center, China Academy of Information and Communications Technology, Internet Society of China, China Telecom Group Corporation, Tsinghua University, China United Network Communications China Mobile Communications Group Co., Ltd., Domain Name Registration Management Center for Government and Public Institutions, Beijing 263 Enterprise Connect Xinyi Co., Ltd., China Communications Standards Association. The main drafters of this document are. Li Hongtao, Yao Jiankang, Pei Wei, Chen Leihua, Ding Jiajia, Qin Xiaowei, Lin Yanzhong, Chen Yingtang, Wu Xiucheng, and Xu Lei. Yang Xue, Li Yanbiao, Liu Baojun, Zhong Rui, Zhang Rongsheng, Wang Lang, Liu Yue, Sun Le, Li Qinfeng, Jiao Haiyan, Zhang Likun, Sha Xiaoshuang, Zhang Zhiyong, Cai Qing He Wei, Wang Chao, Fu Yu, Wang

Cuicui, Yu Wei, Zhou Xiaolei, Gong Jia, Du Ming. Chinese Email Address Post Office Agreement (POP) Technical Requirements

1 Scope

GB/T 46465-2025 is the Chinese national standard covering making POP work with an address written in Chinese characters - the internationalised address handling, the encoding on the wire, the fallback for clients that cannot cope, and the behaviour a server must exhibit either way. First edition, under the Ministry of Industry and Information Technology, with the framework standard GB/T 46466-2025. In force from 1 February 2026. Issued on 31 October 2025, it has been in force since 1 February 2026.

This document specifies the technical requirements for using the Post Office Protocol (POP) extension to support Chinese email addresses on the Internet. This document applies to email service providers and software vendors developing applications or services that support Chinese email addresses.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 1988-1998 Information Technology - Seven-bit Coded Character Set for Information Interchange

GB/T 44266-2024 General Technical Requirements for Chinese Domain Names IETF RFC 1939 Post Office Protocol - Version 3 IETF RFC 2045 Multipurpose Internet Mail Extensions (MIME) Part

1. Internet Message Body Format (RFC 6858) IETF RFC 6858 Simplified POP and mechanism for Internationalized Mail Service Protocol and Interactive Mail Access Protocol.

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 email (electronic mail) On a computer network, this refers to the communication between user terminals. [Source: GB/T 5271.32-2006, 32.01.01, with modifications]

3.2 Unicode character Characters are identified by their position or code point, and each character is given a unique number.

Note. For example, U 12AB refers to the character located at 12AB in the Unicode table.