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

GB/T 29240-2024

**Cybersecurity technology - General security technical
specification for terminal computer**

网络安全技术 终端计算机通用安全技术规范

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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. This document replaces GB/T 29240-2012 "Information security technology terminal computer general security technical requirements and test evaluation method" Compared with GB/T 29240-2012, the main technical changes in addition to the editorial revisions are as follows:

- Added "General Principles" (see Chapter 5);
- Deleted "Hardware System" (see 4.1.1.1, 4.2.1.1, 4.3.1.1, 4.4.1.1, 4.5.1.1 of the.2012 edition);
- Deleted "operating system" (see 4.1.1.2, 4.2.1.2, 4.3.1.2, 4.4.1.2, 4.5.1.2 of the.2012 edition);
- Deleted "SSOTC own safety protection" (see 4.1.2, 4.2.2, 4.3.2, 4.4.2, 4.5.2 of the.2012 edition);
- Deleted "Password support" (see 4.2.1.3.1, 4.3.1.3.1, 4.4.1.3.1, 4.5.1.3.1 of the.2012 edition);

--- Deleted "Data confidentiality protection" (see 4.2.1.3.4, 4.3.1.3.5, 4.4.1.3.7, 4.5.1.3.7 of the.2012 edition);

--- Deleted "SSOTC Management" (see 4.1.4, 4.2.4, 4.3.4, 4.4.4, 4.5.4 of the.2012 edition);

--- Added "Hardware Interface Security" (see 6.1.1);

1 Scope

GB/T 29240-2024 is the Chinese general security technical specification for terminal computers, the standard against which desktop and laptop endpoints are assessed for use in Chinese organisations. It is written in two halves, which is what makes it usable: the security technical requirements, divided into security functional requirements and security assurance requirements, and then the test and evaluation method for each of them, so that the same document serves the manufacturer building the product and the laboratory certifying it. The functional requirements cover identification and authentication, access control, the trusted boot and integrity of the platform, the protection of stored data including encryption, the audit, the malicious code protection, the interface and peripheral control that governs removable media, the network access control and the residual information protection. The 2024 edition updates the specification for current hardware roots of trust and for domestic processors and operating systems. It takes effect on 1 May 2025.

This document specifies general security technical requirements for terminal computers and describes test and evaluation methods. This document is intended to guide the design, development, testing, and evaluation of common security functions for terminal computers.

2 Normative references

The contents of the following documents constitute the 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 5271.1-2000 Information technology vocabulary Part

3 Terms and Definitions

GB/T 18336.1-2024, GB/T 18336.3-2024, GB/T 5271.1-2000 and GB/T 25069 and the following The following terms and definitions apply to this document.

3.1 terminal computer A computer for personal use that can independently process data and provide access to network services. Note

1. The terminal computers in this document do not include mobile smart terminals (mobile phones, tablets), vehicle-mounted smart terminals, smart TVs, wearable devices, etc. equipment. Note

2. Terminal computers usually consist of hardware systems, operating systems, and application systems (including tool software, security software, and other software that provide support for users to access the network). other application software) and other parts.

3.2 A general term for security protection components within terminal computers, including hardware, firmware, software, and a combination responsible for executing security policies.

Note. The terminal computer security subsystem establishes a basic terminal computer security protection environment and provides additional user services required by the terminal computer. The terminal computer security subsystem needs to provide security protection for the terminal computer from aspects such as hardware system, operating system, application system and system operation.