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

GA/T 2133.1-2024

**Mobile police terminal for laptop microcomputer - Part 1:
Technical requirements**

便携式微型计算机移动警务终端 第1部分：技术要求
(English Translation)

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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 is part 1 of GA/T 2133 Portable Microcomputer Mobile Police Terminal. GA/T 2133 has been published in Lower part.

--- Part 1: Technical requirements;

--- Part 2: Technical specifications for security monitoring components.

Introduction

To meet the needs of national public security organs to use portable microcomputer mobile police terminals to safely and reliably access the mobile police service platform Business needs, support front-line police officers to carry out mobile law enforcement, on-site business processing, remote the Ministry of Public Security's Science and Technology Information Bureau coordinates and guides the formulation of standards for portable microcomputer mobile police terminals.

The design and selection of portable microcomputer mobile police terminals and security monitoring components are standardized.

The test contents of computer mobile police terminals and security monitoring components are standardized, providing a reference for the use of portable microcomputer mobile police terminals and security monitoring components by public security organs across the country.

It provides a basis for the safe and reliable access of service terminals to the mobile police service platform, thereby improving the emergency command, rapid response and efficient service of public security organs.

ability.

Considering that the standard includes the technical requirements and security technical requirements of portable microcomputer mobile police terminals, portable microcomputer the operating environment and logical structure, basic requirements, functional requirements, performance requirements and interface requirements of the mobile police terminal security monitoring component, portable the content of this article is too long to cover the requirements for testing the security monitoring components of portable microcomputer mobile police terminals and portable microcomputer mobile police terminals.

In order to improve the efficiency of using and understanding the standard, GA/T 2133 is planned to be divided into three parts.

constitute.

--- Part 1: Technical requirements. The purpose is to provide general specifications for portable microcomputer-type mobile police terminals used in police activities.

The technical requirements and safety technical requirements are clarified to provide manufacturers of portable microcomputer-type mobile police terminals with it can provide a reference for design and a basis for public security users to purchase portable microcomputer-type mobile police terminals.

--- Part 2: Technical specification for security monitoring components. The purpose is to

install security monitoring components on portable microcomputer mobile police terminals.

The operating environment, basic requirements, functions, performance and interface requirements of the control components are clarified, and the requirements of GA/T 2133.1 are implemented.

The security functions that should be realized by the security monitoring component are as follows.

Provide reference for design and development.

--- Part 3: Detection method. The purpose is to specify portable microcomputer mobile police terminal and portable microcomputer mobile Police terminal security monitoring component detection method to ensure the portable microcomputer mobile police terminal and portable microcomputer the security monitoring components of mobile police terminals can achieve a certain level of uniformity and standardization.

Portable microcomputer mobile police terminal Part 1: Technical requirements

1 Scope

This document specifies the general technical requirements, safety technical requirements and external communication modules of portable microcomputer mobile police terminals.

technical requirements.

This document applies to the selection and design of mobile police terminals in the form of portable microcomputers.

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 9254 Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers GB/T 9813.2 General specifications for computers Part 2: Portable microcomputers GB/T 17626.2 Electromagnetic compatibility test and measurement technology Electrostatic discharge immunity test GB/T 17626.3 Electromagnetic compatibility test and measurement technology Part 3: Radio frequency electromagnetic field radiation immunity test GB/T 18287-2013 General specification for lithium-ion batteries and battery packs for mobile phones GB/T 37935-2019 Information security technology Trusted computing specification Trusted software foundation GA/T 1466.1-2018 Smartphone-type mobile police terminal Part 1: Technical requirements GA/T 1466.2-2018

Smartphone-based mobile police terminal Part 2: Technical specification for security monitoring components GA/T 1561-2019 General technical requirements for mobile police systems GA/T 1737-2020 Technical requirements for public security mobile information network GA/T 1768-2021 Technical requirements for mobile police identity authentication GA/T 2133.2-2024 Portable microcomputer mobile police terminal Part 2: Technical specification for security monitoring components

3.1 Terms and Definitions

GB/T 9813.2, GB/T 37935-2019, GA/T 1466.1-2018, GA/T 1466.2-2018, GA/T 1561-2019, for the purposes of this document, the terms and definitions defined in GA/T 1737-2020 and listed below apply.

3.1.1

root of trust

Based on the cryptographic system, it is a basic computing unit that provides services for measurement calculation, secure storage and trusted reporting.

The starting point.

[Source. GA/T 1466.1-2018, 3.1.4] 3.1.2 Base value Basis for judging the integrity and legitimacy of measurement objectives.