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

GA/T 1561-2019

**Mobile police information system - General technical
requirements**

移动警务系统 总体技术要求

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is proposed by the Science and Technology Information Bureau of the Ministry of Public Security.

This standard is under the jurisdiction of the Communications Standardization Technical Committee of the Ministry of Public Security.

This standard was drafted. Science and Technology Information Bureau of the Ministry of Public Security, Tianjin Public Security Bureau, the First Research Institute of the Ministry of Public Security, Guangxi Zhuang Autonomous Region Security Office, Zhengzhou Xinda Jie'an Information Technology Co., Ltd., Third Research Institute of the Ministry of Public Security, Huawei Technologies Co., Ltd., Beijing Ming Dynasty Wanda Branch Technology Co., Ltd., Beijing Anrong Technology Co., Ltd., Datang Mobile Communications Equipment Co., Ltd., Beijing Trustworthy Huatai Information Technology Co., Ltd.

Division.

1 Scope

This standard specifies the composition and classification of mobile police systems, mobile police terminals, wireless access networks, mobile police service platforms, mobile Technical requirements for police applications and security and centralized control.

This standard applies to the planning, design, construction, and acceptance of mobile police systems.

2 Normative references

The following documents are essential for reference in this document. For dated references, only the dated version applies to this document.

For undated references, the latest version (including all amendments) applies to this document.

GB/T 21061 National E-Government Network Technology and Operation Management Specification
GB/T 25070 Information security technology Technical requirements for information system level protection security design
GB/T 29828 Information Security Technology Trusted Computing Specification
Trusted Connection Architecture
GM/T 0034 Certificate authentication system password based on SM2 password algorithm and related security technical specifications

3.1 Terms and definitions

The following terms and definitions apply to this document.

3.1.1

Mobile police information system A system for processing police information through a wireless network using a mobile terminal.

3.1.2

Mobile police serviceplatform Provide a supporting environment for mobile police applications to run services.

3.1.3

Mobile police terminal A wireless terminal device that processes police information in a mobile police system.

3.1.4

Advanced controlled mobile police terminal Mobile police terminal for security control from hardware and operating system.

3.1.5

General controlled mobile police terminal Mobile police terminal for security control from the application layer of the operating system.

3.1.6

Personal common mobile police terminal Mobile police terminal without special security control.

3.1.7

Service bus for mobile police application Middleware that provides resource services for mobile police applications and performs unified management and control of resources.

3.1.8

Centralized management and control center an information system for unified management, centralized monitoring, and security management of mobile police systems.

3.1.9

Security management and control system an information system that comprehensively controls and controls the security of users, terminals, networks, applications, and data in mobile police systems.

3.1.10

Mobile terminal security monitoring software Software that runs on mobile police terminals and has security monitoring functions such as monitoring information reporting, security policy configuration, and execution of control instructions.

3.2 Acronyms

The following abbreviations apply to this document.

IPSec. Internet Protocol Security PKI. Public Key Infrastructure VPN. Virtual Private Network

4.1 System composition

The mobile police system consists of mobile police terminals, wireless access networks, mobile police service platforms, mobile police applications, and security and centralized management.

Control composition, as shown in Figure 1.

Mobile police system Mobile police service terminal Mobile police service platform Mobile police application wireless access network Security and centralized management Personal ordinary terminal General controlled terminal Enhanced controlled terminal Mobile internet transport chain Wireless dedicated transmission link Mobile Internet Service Sub-platform (Class I area) Network service sub-platform (Class II area) Public Security Information Network Service Sub-platform (Type III area) Mobile Internet Service Sub-platform Application (Class I application) Network service sub-platform Application (Type II application) Public Security Information Network Service Sub-platform Application (type III application)

Figure 1 Composition of mobile police system among them.

- a) Mobile police terminal can be divided into personal ordinary terminal, general controlled terminal and enhanced controlled terminal;
- b) The wireless access network can be divided into mobile Internet transmission links and wireless dedicated transmission links;
- c) The mobile police service platform can be divided into mobile Internet service sub-platforms (type I area) and network service sub-platforms (type II area) and public security information network service sub-platform (type III area);
- d) Mobile police applications can be divided into mobile police applications (type I applications) based on mobile Internet service sub-platforms, and network-based services Sub-platform mobile police application (type II application) and public security information network service sub-platform-based mobile police application (type III application);
- e) Security and centralized management and control include password usage, cross-regional security protection, data security, management and control systems, and centralized management and control centers.

4.2.1 Class I systems

Class I systems are controlled by personal ordinary terminals, mobile Internet transmission links, Class I areas, Class I applications and corresponding security and centralized management ?? . Shi composition.

4.2.2 Type II system

Type II system consists of general controlled terminal/enhanced controlled terminal, wireless dedicated transmission link, type II area, type II application and corresponding security Composed of centralized control measures.

4.2.3 Type III system

Class III systems consist of enhanced controlled terminals, wireless dedicated transmission links, access control in class II areas, class III areas, class III applications, and corresponding Security and centralized control measures.

5.1.1 Personal ordinary terminal

Personal ordinary terminals shall meet the following requirements.

- a) Access to Class I areas and prohibit access to Class II and III areas;
- b) The terminal operating system, application software, and application data have security protection capabilities.