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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA/T 608-2019

Basic functional requirements for management system of information network for public security

公安信息网网络管理系统基本功能要求

(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 replaces GA/T 608-2006 "Technical Specifications for Public Security Information Network Management System". This standard is in line with GA/T 608-2006.

The main content changes are as follows.

--- Change the "Architecture of the National Public Security Information Network Network Management System" from the original three-level management domain to a four-level management domain, and the revised sections are described accordingly (see Chapter 4, Chapter 4 of the 2006 edition);

--- Added "Overall Structure of Network Management System" (see Chapter 4);

--- For Chapter 5, in addition to retaining some of the contents in Chapter 5 of the original standard, some new features have been added.

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, the First Research Institute of the Ministry of Public Security, Xinhua III Technology Co., Ltd., Beijing Starnet Ruijie.com Network Technology Co., Ltd., ZTE Corporation, Huawei Technologies Co., Ltd., Maipu Communications Technology Co., Ltd., Netcom Information Technology Technology (Shanghai) Co., Ltd., Donghua Software Co., Ltd., Beijing Guangtongda Technology Co., Ltd.

1 Scope

This standard specifies the basic functions and performance requirements of the public security information network management system.

This standard applies to the construction and application of public security information network management systems at all levels throughout the country.

2.1 Terms and definitions

The following terms and definitions apply to this document.

2.1.1

Information network for publicsecurity the special information network connecting public security organs at all levels across the country is composed of a three-level backbone

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network and an access network. Among them, the Ministry of Public Security to the provincial public security aircraft the relevant network is the first-level network of the public security information network; the network of the provincial-level public security organs to the municipal-level public security organs under its jurisdiction is the second-level network of the public security information network;

The network from the public security organs at the county level to the county-level public security organs under its jurisdiction is the third-level network of the public security information network; the network from the county-level public security organs to the grass-roots units is public security.

Information network access network.

2.1.2

Management domain

A collection of objects that a network management system can manage.

2.1.3

Overlay network

A technology model of superimposing a virtual network on a physical network, enabling the realization of multiple virtual logical networks on a unified physical network.

2.1.4

Virtual network

A logical network that is implemented on a physical network using network virtualization functions to meet the interconnection between multiple devices.

2.1.5

Network business orchestration According to requirements, various network service units are abstracted and organized and arranged in an orderly manner to form several network service models.

Application of service model enables rapid deployment and dynamic adjustment of network services.

2.2 Abbreviations

The following abbreviations apply to this document.

ACL. Access Control List CE. Customer Edge Equipment (CustomerEdge) DNS. Domain Name System FTP. File Transfer Protocol (FileTransferProtocol) HTTP. HypertextTransferProtocol LDAP. Lightweight Directory Access Protocol (LightweightDirectoryAccessProtocol) MIB. Management Information Base

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(ManagementInformationBase)

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