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**INDUSTRY STANDARD OF THE
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**Quality requirements and test methods for public security
traffic management softwares - Part 5: Mobile application
software**

公安交通管理软件质量要求和检验方法 第5部分：移动应用软件
(English Translation)

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Reference

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 5 of GA/T 2156 "Quality Requirements and Test Methods for Public Security Traffic Management Software".

The following parts are published.

- Part 2: Embedded software;
- Part 5: Mobile application software.

Introduction

With the continuous development of new technologies such as cloud computing, big data, mobile Internet, Internet of Things, and artificial intelligence, smart mobile terminals, smart transportation New applications such as cameras, signal control systems, and plug-in software for public security traffic management information systems are becoming more and more widespread.

The quality evaluation method of public security traffic management software affects the scientific and accurate quality evaluation. It is necessary to further standardize and refine the functions, performance, Improve the technical requirements of safety and other aspects, improve the technical methods of quality inspection, and enhance the overall application level of public security traffic management software.

The quality requirements and inspection methods for management software have been incorporated into GA/Z3-2022, which is planned to consist of seven parts according to the different software forms.

- Part 1: General principles. The purpose is to determine the classification of public security traffic management software and specify basic quality requirements.
- Part 2: Embedded software. The purpose is to specify the quality requirements and inspection methods for embedded software.
- Part 3: Desktop application software. The purpose is to specify the quality requirements

and inspection methods for desktop application software.

--- Part 4: Middleware software. The purpose is to specify the quality requirements and inspection methods for middleware software.

--- Part 5: Mobile application software. The purpose is to specify the quality requirements and inspection methods for mobile application software.

--- Part 6: Big data and cloud computing software. The purpose is to specify the quality requirements and inspection methods for big data and cloud computing software.

--- Part 7: Artificial intelligence software. The purpose is to specify the quality requirements and inspection methods for artificial intelligence software.

Quality requirements and inspection methods for public security traffic management software Part 5: Mobile Application Software

1 Scope

This document specifies the classification, quality model, quality requirements, inspection methods and inspection rules for public security traffic management mobile application software.

This document applies to the design, development and inspection of public security traffic management mobile application software.

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 8567 Specification for the preparation of computer software documentation GB/T 35273 Information security technology Personal information security specification GB/T 41905 Software and systems engineering software testing tool capabilities

3 Terms and definitions

The following terms and definitions apply to this document.

Client application software developed for smart mobile terminals.

[Source. GB/T 22239-2019, 3.13, modified] 3.2 Smart mobile terminal it can access the communication network, has an operating system for application software to run, and allows users to install, run and uninstall application software. It is portable A portable,

handheld computer device.

[Source. GB/T 37729-2019, 3.1.2, modified] 3.3 it runs on smart mobile terminals and is applied in the field of public security traffic management to realize mobile applications of various public security traffic management business functions.

software.

Note: Public security traffic management business includes motor vehicle business, motor vehicle driver's license business, traffic violation business, road traffic accident business, traffic order management business, Services, non-motor vehicle business, etc.

Quality model the defined feature set and the relationship set between them provide a framework for specifying quality requirements and evaluating quality.

[Source. GB/T 25000.10-2016, 3.18]