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

GA/T 1130-2013

**Technical specifications for road traffic management
self-service system**

道路交通管理业务自助服务系统技术规范
(English Translation)

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Appendix A (Informative) Traffic Management Business Self-Service Related Data Structure

A.1 Driver's license self-service business flow information data structure

A.2 Data structure of motor vehicle self-service business flow information

A.3 Payment Information Master Data Structure

A.4 Payment Information Sub-Data Structure

A.5 Self-service terminal configuration information data structure

References

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 is required.

This document replaces GA/T 1130-2013 "Technical Specifications for Self-Service System of Road Traffic Management Business" and is compatible with GA/T 1130-2013, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The requirements for system architecture have been changed (see Chapter 4, Chapter 4 of the 2013 edition);
- b) The hardware requirements for self-service terminals have been changed (see 5.1, 5.1 and 5.2 of the 2013 edition);
- c) The hardware technical requirements for self-service terminals have been changed (see 5.1.3, 5.4.1 of the 2013 edition);
- d) Added power adaptability requirements for self-service terminals (see 5.4);
- e) The basic functional requirements for self-service terminal application software have been changed (see 7.2.1, 7.2.1 of the 2013 edition);

- f) The extended function requirements for self-service terminal application software have been changed (see 7.2.2, 7.2.2 of the 2013 edition);
- g) The motor vehicle business function requirements of the self-service terminal application software have been changed (see 7.2.3.2, 7.2.5 of the 2013 edition);
- h) Changed the driver's license business function requirements of the self-service terminal application software (see 7.2.3.3, 7.2.6 of the 2013 edition);
- i) Changed the traffic violation handling function requirements of the self-service terminal application software (see 7.2.3.4, 7.2.7 of the 2013 version);
- j) The functional requirements of the self-service front-end software have been changed (see 7.3.1, 7.3.1 of the 2013 version);
- k) Deleted the data encryption requirement for self-service front-end software (see 7.3.5 of the 2013 version);
- l) Deleted the logging and auditing requirements for self-service front-end software (see 7.3.6 of the 2013 version);
- m) The functional requirements for the self-service back-end software have been changed (see 7.4.2, 7.4.1 of the 2013 version);
- n) Added system safety requirements (see Chapter 9);
- o) Changed the self-service application software testing requirements (see 11.3, 10.6 of the 2013 edition);
- p) Added system safety testing requirements (see 11.5).

1 Scope

This document specifies the architecture of the road traffic management business self-service system, the self-service terminal, access system, application software technology requirements, as well as data information specifications, system security requirements, information requirements and verification requirements.

This document applies to the development, construction and testing of self-service systems for road traffic management business.

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 14715-2017 General specification for uninterruptible power supplies for information technology equipment GB/T 18894-2016 Electronic document archiving and electronic archives management specifications GB/T 23647-2009 General Specification for Self-service Terminals GB/T 35678 Technical requirements for images used in public security face recognition applications GA 482-2012 Motor Vehicle Driving License of the People's Republic of China GA/T 947.2-2015 Single police law enforcement video and audio recording system Part 2: Law enforcement recorder GA/T 1011-2012 General technical requirements for fingerprint collectors for resident identity cards GA/T 1012-2019 Technical Specification for Fingerprint Collection and Comparison of Resident Identity Cards GA/T 1127-2013 General technical requirements for security video surveillance cameras GA/T 1755-2020 General technical requirements for facial recognition and identity verification equipment for security protection GA/T 1758-2020 General technical requirements for security microphones Provisions on the Procedures for Handling Road Traffic Safety Violations (Ministry of Public Security Order No. 157) Regulations on the Application and Use of Motor Vehicle Driver's Licenses (Ministry of Public Security Order No. 162) Motor Vehicle Registration Regulations (Ministry of Public Security Order No. 164) Operating Procedures for Off-site Investigation and Punishment of Road Traffic Safety Violations (Trial) (Public Transportation Administration [2020] No. 73) Motor Vehicle Driving License Business Operation Specifications (Public Transportation Administration [2022] No. 73) Motor Vehicle Registration Work Specifications (Public Transportation Administration [2022] No. 75)

3 Terms and definitions

The following terms and definitions apply to this document.

Road traffic management self-service system A system composed of terminal equipment and software that provides self-service services such as motor vehicles, driver's licenses, and traffic violations.