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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA/T 515.4-2011

Specifications for the design of public security traffic command system -- Part 4: Design drawing

公安交通指挥系统设计规范 第4部分：制图

(English Translation)

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Preview: page 1 of 5 shown, 20 in the full document. Complete English PDF, instant download:
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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Classification and numbering

5 General requirements

6 Preliminary design drawings

7 Construction drawing design drawings

8 Completion drawings

Appendix A (informative appendix) Examples of common system name abbreviations

Appendix B (Normative Appendix) Common Legends of Public Security Traffic Command System Engineering Design

Reference

Foreword

GA/T 515 "Code for Design of Public Security Traffic Command System" is divided into the following parts.

---Part 1: General Provisions;

---Part 2: Provincial (autonomous region) public security traffic command system;

---Part 3: Urban Public Security Traffic Command System;

---Part 4: Drawing;

This part is part 4 of GA/T 515.

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

This part replaces GA/T 515.4-2011 "Code for Design of Public Security Traffic Command System Part 4: Drawing". With GA/T 515.4-Compared to 2011, the main technical changes except for editorial changes are as follows.

--- Modify the "Scope" (see Chapter 1, Chapter 1 of the 2011 edition);

--- Modify the "normative references" (see Chapter 2, Chapter 2 of the 2011 edition);

--- Added the term "basic application system" (see 3.1);

Preview: page 2 of 5 shown, 20 in the full document. Complete English PDF, instant download:
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--- Added the term "front end" (see 3.2);

--- Modified the term "as-built drawing" (see 3.2, version 3.1 of 2011);

--- Modify the relevant requirements of "drawing number" (see 4.2, 8.2 of the 2011 edition);

---Revised the relevant requirements of "Graph Line" (see 5.2, 9.1 of the 2011 edition);

--- Revised the relevant requirements for "Proportion" (see 5.3, 9.2 of the 2011 edition);

--- Revised "Design Instructions for Preliminary Design Drawings" (see 6.1, 5.1 in the 2011 edition);

--- Added "Completion Instructions" (see 8.1);

--- Revised "Completion Drawing Compilation Method" (see 8.2, 7.1 of 2011 edition);

--- Modify "Completion Drawing Compilation Requirements" (see 8.3, 7.2 of 2011 edition);

--- Added "Informative Appendix A" (see Appendix A);

--- Deleted "Commonly used legends of traffic signal control system engineering design. multi-period timing signal, coordinated control signal, induction Legends such as "signal, trigger signal for pedestrian crossing" (see A.1 of the 2011 edition);

--- Added "Commonly used legends of traffic signal control system engineering design. Class A signal, Class B signal, Class C signal, road traffic Legends such as "Countdown to Signal Display" (see B.1);

--- Modify the legend of "Commonly used legend of traffic signal control system engineering design. phase sequence of signal control at intersection" (see B.1, 2011 Version of A.1);

--- Removed "Commonly used legends for traffic video surveillance system engineering design. monitors, video sequence switchers, matrix switching masters", etc.

Legend (see 2011 version A.2);

--- Added "Commonly used legends of traffic video surveillance system engineering design. 180° panoramic camera, 360° panoramic camera, network hard disk recording "Camera, video switching matrix, video codec, video gateway" and other legends (see B.2);

--- Modify the legend of "Commonly Used Legend of Traffic Video Surveillance System Engineering Design. Digital Hard Disk Recorder" (see B.2, 2011 version A.2);

--- Modify the legend of "Commonly used legend of command center infrastructure facilities engineering design. TV wall" (see B.3, 2011 edition A.3);

--- Modify the legend of "Commonly used legend of traffic flow information collection system engineering design. video detector" (see B.5, 2011 version A.5);

--- Added "Commonly used legends for engineering design of traffic flow information

Preview: page 3 of 5 shown, 20 in the full document. Complete English PDF, instant download:
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collection system. geomagnetic detector, motor vehicle electronic sign reading and writing equipment" and other figures

Example (see B.5);

--- Modify the legends such as "Commonly Used Legends for Engineering Design of Traffic Violation Monitoring and Recording System. Auxiliary Lights, Cameras" (see B.7, (2011 version A.7);

--- Added legends such as "Commonly Used Legend of Engineering Design for Traffic Violation Monitoring and Recording System. Dome Camera, Radar Detector" (See B.7);

--- Modify the legends such as "Commonly Used Legends of Police Vehicle Positioning System Engineering Design. Positioning Vehicles, Vehicle Stations" (see B.8, 2011 edition) A.8);

--- Revised the legend of "Single Police Positioning System Engineering Design Common Legend. Civil Police Positioning Terminal" (see B.9, 2011 version A.9);

--- Added "Commonly used legends for engineering design of road vehicle intelligent monitoring and recording system. radar detector, motor vehicle electronic sign reading and writing device Legend" (see B.10);

--- Modify the legend of "Commonly used legend of traffic information release system engineering design. traffic guidance signs" (see B.11, 2011 edition) A.11);

---Modified the "commonly used legends for engineering design of front-end infrastructure facilities. equipment foundation, equipment installation rod foundation, pipeline manhole, Legends such as "F-type cantilever equipment rod" (see B.13, A.13 of 2011 edition);

--- Added legend of "Commonly used legend of front-end infrastructure facilities engineering design. L-shaped cantilever equipment rod" (see B.13);

--- Modify the legend of "front-end cable configuration design legend. cable in pipeline, overhead cable" (see B.13, 2011 version A.13);

---Modified the legends of "Municipal, Power Supply, Telecommunications, Firefighting and other related systems design. rainwater outlet (single grate), rainwater outlet (double grate)" Name (see B.14, A.14 of the 2011 edition).

This part is proposed and managed by the National Road Traffic Management Standardization Technical Committee (SAC/TC576).

1 Scope

This part of GA/T 515 stipulates the classification, requirements and drawing methods of engineering design drawings for public security traffic command systems.

This section applies to the drawing of engineering drawings of the public security traffic

Preview: page 4 of 5 shown, 20 in the full document. Complete English PDF, instant download:
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command system.

2 Normative references

The following documents are essential for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For the cited documents without date, the latest version (including all amendments) applies to this document.

GB 14886-2016 Code for the installation and installation of road traffic lights GB/T 28424-2012 Graphic symbols and legends for traffic television monitoring system equipment GB/T 50106-2010 Standard for water supply and drainage drawing in buildings GB 50162-1992 road engineering drawing standard GA/T 74-2017 general graphical symbols for security systems GA/T 515.1-2019 Public Security Traffic Command System Design Code Part 1: General Provisions GA/T 515.2 Public Security Traffic Command System Design Code Part 2: Provincial (Autonomous Region) Public Security Traffic Command System

3 Terms and definitions

The terms and definitions defined in GA/T 515.1 and GA/T 515.2 and the following apply to this document.

Fundamental application system Multiple systems with functions such as collecting basic traffic data, executing traffic control instructions, monitoring traffic violations and issuing traffic information Collection.

Note: Basic application systems mainly include traffic signal control system, traffic video surveillance system, traffic flow information collection system, traffic incident detection system, traffic Illegal monitoring and recording system, motor vehicle detection and control system, motor vehicle electronic identification application system, satellite positioning management system, single police law enforcement video and audio recording System, traffic information release system, parking service and management information system, mobile law enforcement police system, foggy highway driving safety guidance system, meteorological monitoring Measurement system, pavement icing monitoring system, etc.

Frontend

Installed on roads and other places, used for traffic control, traffic law enforcement, traffic information collection and release equipment and related ancillary facilities.

Completionofproject

The project has completed design, construction, commissioning and trial operation.

As-builtdrawing

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