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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA/T 515-2004

Specifications for the design of public security traffic command system -- Part 1: General

公共交通指挥系统工程设计制图规范

(English Translation)

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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 1 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 515.1-2011 "Code for Design of Public Security Traffic Command System Part 1: General Rules". versus Compared with GA/T 515.1-2011, except for editorial changes, the main technical changes are as follows.

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

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

--- Added the term "public security traffic command system" "intelligent traffic management system" (see 2.1);

--- Removed the term "front end" (see 3.1 in the 2011 edition);

--- Removed the term "central system" (see the 2011 version 3.2);

--- Removed the "composition" requirement (see Chapter 4 of the 2011 edition);

--- Modify the requirements of "Design Principles" (see Chapter 3, Chapter 5 of the 2011 edition);

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--- Modify the requirements of "design requirements" (see Chapter 5 of 4.1, 2011 edition);

--- Modify the title and requirements of the "design task book preparation" (see 4.2.1, 2011 version 6.1);

--- Modify the requirements of "Investigation and Investigation" (see 4.2.2, 6.2 of the 2011 edition);

--- Modify the requirements of "Preliminary Design" (see 4.2.3, 6.3 of the 2011 edition);

--- Amended the requirements for "Preliminary Design Review and Approval" (see 4.2.4, 2011 version 6.4);

--- Modify the requirements of "Construction Drawing Design" (see 4.2.5, 2011 version 6.5);

--- Modify the title and requirements of "Completion Drawing Compilation" (see 4.2.6, 2011 version 6.6).

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 specifies the design principles and design requirements for the design of public security traffic command systems.

This section applies to the design of public security traffic command systems.

2 Terms and definitions

The following terms and definitions apply to this document.

Public security traffic command system Intelligent [road] traffic management system integral[road] traffic management system Application of intelligent transportation technology and methods to manage road traffic, with traffic command, traffic control, traffic law enforcement and traffic information service Service function system.

3 Design principles

The principles of public security traffic command system design are as follows.

a) It should meet the requirements of the province (autonomous region), urban development and road traffic safety and management planning;

b) It should be closely integrated with the actual needs of public security traffic management, and highlight practical applications;

c) It should be forward-looking and follow the concept of sustainable development.

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4.1 General requirements

The general requirements for the design of the public security traffic command system are as follows.

a) Mature and advanced technology should be adopted to construct a practical, efficient, safe and open system;

b) The design of traffic management equipment and related auxiliary facilities such as traffic control and traffic law enforcement should be synchronized with the design of road infrastructure get on;

c) The design documents shall be complete, accurate and standardized.

4.2.1 Preparation of design task book

The construction unit shall prepare the design task statement based on the approved project proposal or feasibility study report and other relevant documents.

4.2.2 Investigation and survey

The design unit shall carry out detailed investigations on the content specified in the design mission statement in conjunction with the relevant units, and compile a current status investigation report.

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