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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA/T 527-2005

Replacing GA/T 527-2005

Road traffic signal control mode - Part 1: General technical requirements

城市道路交通信号控制方式适用规范

(English Translation)

Issued on: February 11, 2015 **Implemented on: October 1, 2015**

Issued by: Ministry of Public Security

Preview: page 1 of 4 shown, 7 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 Control program development
4.1 Principles

Foreword

GA/T 527 "Road traffic signal control" is divided into the following sections.

--- Part 1. General requirements;

--- Part 2. access status and control benefit assessment indicators and methods;

--- Part 3. a single point of control signal applicable conditions;

--- Part 4. Route coordinated signal control method applicable conditions;

--- Part 5. variable guide lane traffic control rules;

--- Part 6. Bus lane traffic priority control rules;

--- Part 7. Tram Intersection priority control rules;

--- Part 8. Tide lane traffic control rules;

--- Part 9. Ramp control rules.

This section GA/T Part 1 527.

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

This Part replaces GA/T 527-2005 "Urban Traffic Signal Control mode applicable codes." And GA/T 527-2005 phase Ratio, in addition to editorial changes outside the main technical changes are as follows.

--- Modify the standard name (see standard name, the 2005 version of the standard name);

--- Modify the scope of application (see Chapter 1, Chapter 1 of the 2005 edition);

--- Increasing the definition of traffic signal control mode (see 3.1);

--- Increasing the signal control programming principles and work content (see 4.1, 4.2);

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--- Modify the control signal classification (see Chapter 5, Section 4 of the 2005 edition);

--- Modifications and additions signal control applicable conditions (see Chapter 6, Chapter 4, 2005 edition);

--- Remove the multi-phase control design principles (see the 2005 edition of Chapter 5);

--- Increasing the signal phasing setup requirements (see Chapter 7);

--- Increased steering dedicated signal setup requirements (see Chapter 8);

--- Increase the signal timing requirements (see Chapter 9);

--- Remove the technical - economic evaluation methods (see the 2005 edition of Chapter 6).

This section is proposed and managed by the Ministry of Public Security Traffic Management Standardization Technical Committee.

This section drafted by. Ministry of Public Security Traffic Management Science Institute.

1 Scope

GA/T of the provisions of section 527 of the Road Traffic signal control program development, control mode classification, applicable conditions, phase phase sequence settings, General technical steering special signal settings, signal timing and the like.

This section applies to the design of a road traffic signal control mode.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB 50647-2011 Code for planning of urban road intersections GB/T 31418 Road traffic signal control systems -

3 Terms and Definitions

GB/T 31418 and defined by the following terms and definitions apply to this document.

Road traffic signal control roadtrafficsignalcontrolmode Used in road traffic signal control system for controlling and adjusting the traffic flow state, according to the special traffic signal control programs implemented Constant control.

Preview: page 3 of 4 shown, 7 in the full document. Complete English PDF, instant download:
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4.1 Principles

Road traffic signal control program should be based on different traffic flow, flow, time, road conditions and environment, transport objects, transportation and other factors making.

4.2 The content

Road traffic signal control program development include the following.

a) Traffic Flow Survey and Analysis;

b) traffic running state discrimination;

c) the control objectives and strategy formulation;

d) determining scheduling control;

e) set the control period is divided;

f) control mode selection;

g) phase phase sequence set;

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