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INDUSTRY STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GA/T 850-2021

Specifications for setting of on-street parking spaces on urban roads

城市道路路内停车位设置规范

(English Translation)

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Preview: page 1 of 5 shown, 15 in the full document. Complete English PDF, instant download:
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Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and Definitions
4 On-street parking space setting condition
5 Parking Space Design
6 Location of parking spaces
7 Evaluation of parking space settings
Appendix A (Informative) Example 9 of Parking Space Setting
Appendix B (Informative) Evaluation Method for Parking Space Setup
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 of Standardization Documents" drafted:

This document replaces GA/T 850-2009 "Code for On-Street Parking Spaces on Urban Roads": Compared with GA/T 850-2009, except for the in addition to structural adjustments and editorial changes, the main technical changes are as follows:

a) Changed the scope of application (see Chapter 1, Chapter 1 of the:2009 edition);

b) The terms and definitions of "on-street parking spaces" have been changed (see 3.1, 3:2 of the:2009 edition);

c) Deleted the term and definition of "on-street parking space setting rate" (see 3.5 of the:2009 edition);

d) The general requirements for the setting of on-street parking spaces have been changed (see 4.1, 4:1 of the:2009 edition);

e) the requirement for the setting rate of on-street parking spaces is deleted [see 4.2a) of the:2009 edition];

f) The regulations on road sections and areas where on-street parking spaces should not be set have been changed (see 4.2:1, 4:3 of the:2009 edition);

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https://chinastandards.org/standards/ga-t-850-2021

g) The provisions on the sight distance for safe parking at the entrance and exit have been changed [see 4.2:2, 4:2f) of the:2009 edition];

h) changed the roadway width condition [see 4.2:3, 4:2c) of the:2009 edition];

i) The conditions for the remaining width of the non-motorized lanes have been added (see 4.2:4);

j) the remaining width condition of the sidewalk has been changed [see 4.2:5, 4:2:6, 4:2e) of the:2009 edition];

k) Changed the V/C ratio conditions for on-street parking spaces in motorized lanes and non-motorized lanes [see 4.3:1,:2009 edition of 4:2d)];

l) Changed the average travel speed conditions for vehicles set in non-mixed lanes for on-street parking spaces [see 4.3:2,:2009 edition of 4:2d)];

m) Added requirements for the selection of on-street parking spaces in residential quarters, schools and other areas (see 4.4);

n) The provisions for setting up safety door opening areas in parallel parking spaces are added (see 5.1:3);

o) Added the provisions for the front of the parked vehicle (see 5.1:4);

p) Changed the regulations on the grouping of on-street parking spaces (see 5.1:5, 5:5 of the:2009 edition);

q) Changed the regulations on the size of parking spaces (see 5.2, 5:2 of the:2009 edition);

r) The provisions on setting up disabled-only parking spaces have been deleted (see 5.6 of the:2009 edition);

s) The regulations on the location of parking spaces have been added (see Chapter 6);

t) Added evaluation method for on-street parking space setting (see Chapter 7):

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1 Scope

This document specifies the setting conditions, design, layout location and setting evaluation of car parking spaces on urban roads:

This document is applicable to the setting of on-street car parking spaces on urban roads, and the setting of on-street parking spaces on other roads can be used for reference:

Preview: page 3 of 5 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/ga-t-850-2021

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document:

GB 5768.2 Road Traffic Signs and Markings Part 2: Road Traffic Signs GB 5768.3 Road Traffic Signs and Markings Part 3: Road Traffic Markings GB 51038 Specification for the setting of urban road traffic signs and markings GA/T 1271 Application Guide for On-Street Parking Management Facilities on Urban Roads

3 Terms and Definitions

The following terms and definitions apply to this document:

on-streetparkingspace Areas for parking cars set up with traffic signs and markings on urban roads:

parkingturnoverrate

The number of parking times per parking space per unit time:

V/C ratio V/Cratio

The ratio of road traffic volume (V) to capacity (C):

4 Conditions for setting up on-street parking spaces

4.1
General requirements

4.1.1
The setting of on-street parking spaces (hereinafter referred to as "parking spaces") shall follow the principles of ensuring orderly, safe and smooth road traffic:

4.1.2
The setting of parking spaces shall not encroach on fire truck passages, blind lanes and pedestrian crossing facilities:

4.1.3
The setting of parking spaces shall comprehensively consider conditions such as roads and traffic operations, and take into account the parking demand:

Preview: page 4 of 5 shown, 15 in the full document. Complete English PDF, instant download:
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4.1.4

The setting of parking spaces should strictly control the total amount: It is advisable to adopt charging management to improve the parking turnover rate, and increase parking spaces through differentiated charging:

usage:

4.1.5

The type of parking space is determined according to factors such as parking demand and traffic management needs, and can be divided into:

a) According to the parking time, it is divided into unlimited parking spaces, time-limited parking spaces, and time-limited parking spaces;

Preview: page 5 of 5 shown, 15 in the full document. Complete English PDF, instant download:
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