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

GB/T 21379-2025

Replacing GB/T 21379-2008

**Classification and coding of traffic management information
attributes - Urban roads**

交通管理信息属性分类与编码 城市道路

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 21379-2008 "Classification and Coding of Traffic Management Information Attributes for Urban Roads" and GB/T 21381- 2008 "Traffic Management Geographic Information Entity Identification Coding Rules for Urban Roads". This document is based on GB/T 21379-2008 and integrates... Compared with GB/T 21379-2008, this document differs from GB/T 21381-2008 mainly in its technical aspects, except for structural adjustments and editorial changes. The changes are as follows:

- a) The scope has been changed (see Chapter 1, Chapter 1 of the.2008 edition);
- b) The terms "location unit," "transportation facility," "key unit," and "geographic information entity" have been added (see 3.3-3.6);
- c) The coding principles have been revised (see 4.2,.2008 version 4.2);
- d) Added provisions for basic structure, orientation codes, and information entity classification (see Chapter 5);
- e) Regulations regarding the entities responsible for traffic management on road sections have been added (see 6.1);
- f) The regulations regarding the classification of road segment traffic management attributes, the structure of road segment traffic management codes, and the functional attributes and road surface of road segments have been changed. The grade, administrative affiliation of the road segment, and the road segment's geological code (see

6.2.1~6.2.6, and 5.1, 5.2, 5.4~

5.7 of the.2008 edition);

g) The road segment code has been removed (see

5.3 in the.2008 version);

h) Added auxiliary slow-moving lane sign codes (see 6.2.11);

i) Added regulations on lane traffic management classification and coding (see Chapter 7);

j) Regulations regarding traffic management entities at road intersections have been added (see 8.1);

1 Scope

GB/T 21379-2025 is the Chinese national standard covering the codes behind a city's traffic data - the road segments and junctions, their attributes and restrictions, the events and the enforcement records, so that the systems of a police force, a transport bureau and a navigation provider can be joined. It replaces GB/T 21379-2008. It was issued on 31 December 2025 and has been in force since 1 July 2026, replacing GB/T 21379-2008. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the basic principles and rules for the classification and coding of geographical elements in urban road traffic management, as well as the classification of road segments, lanes, and road intersections. Traffic management information attributes classification and coding for intersections, traffic facilities, key units, etc. This document applies to information entities such as road sections, lanes, road intersections, traffic facilities, and key units in urban road traffic management. Knowledge, information processing, and information exchange.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 917 Rules for Highway Route Signage and National Highway Numbering

GB/T 920 Codes for Highway Pavement Grades and Surface Layer Types

GB/T 2260 Administrative Division Codes of the People's Republic of China

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 main lane The middle section of the road, formed by barriers along the road direction, is a section for motor vehicles only.

3.2 auxiliary lane The section of the same road in the same direction where motor vehicles are separated by barriers, allowing motor vehicles and non-motor vehicles to travel together.

3.3 localization unit Geographic information entities that can indicate a geographic spatial location.

3.4 Traffic facilities Traffic equipment used on roads for traffic management, control, information monitoring, violation monitoring, and information display.

3.5 key unit Physical facilities along the road that have a significant impact on traffic management.

3.6 Independent natural or artificial features in the real world that share spatial location and common attributes. [Source: GB/T 37118-2018, 3.1]