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

GB/T 31455.6-2025

Replacing GB/T 31455.6-2015

**Intelligent system of bus rapid transit (BRT) - Part 6: Interface
specifications between the dispatch centre and depot/platform
control systems**

快速公交（BRT）智能系统 第6部分：调度中心与场站站台控制系统通信数据接口规范

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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 is Part 6 of GB/T 31455 "Intelligent Systems for Bus Rapid Transit (BRT)". GB/T 31455 has the following publications. part.

- 1.General Technical Requirements;
- 2.Technical Requirements for the Dispatch Center System;
- 3.Technical Requirements for Vehicle-Mounted Intelligent Terminals and Peripheral Equipment;
- 4.Technical Requirements for Station Platform Control Systems and Peripheral Equipment;
- 5.Communication Data Interface Specification between Dispatch Center and Vehicle-Mounted Intelligent Terminal;
- 6.Communication Data Interface Specification between Dispatch Center and Station Platform Control System;
- 7.Specification for Communication Data Interface between Bus Priority Equipment and Traffic Signal Controllers This document replaces GB/T 31455.6-2015 "Intelligent Systems for Bus Rapid Transit (BRT) - Part

6. Dispatch Centers and Station Platform Control". Compared with GB/T 31455.6-2015, the "Specification for Communication Data Interface of Control System" has undergone major technical changes, except for structural adjustments and editorial modifications. as follows:

- a) The scope has been changed (see Chapter 1, Chapter 1 of the.2015 edition);
- b) Terms and definitions have been changed (see Chapter 3, Chapter 3 of the.2015 edition);
- c) Abbreviations have been changed (see Chapter 4, Chapter 4 in the.2015 edition);
- d) Modified "System Identifier", "Line Identifier", "Vehicle Identifier", "Station Identifier", "Employee Identifier", "Text Information", and "Server Identifier". The data frames for "Identification", "Departure Queue", and "Satellite Positioning Information" (see 6.1~6.9, 2015 version 6.1~6.9) have been updated to include "Passenger Count". Data frames including "Information", "Violation Information", "Congestion Standard Signs", and "Road Segment Traffic Information Signs" (see 6.10-6.13);

1 Scope

GB/T 31455.6-2025 is the Chinese national standard covering the messages between a BRT control centre and its stations and depots - the arrivals and departures, the platform displays and announcements, the gate and door control and the fault reports coming back. Part 6 of the series, 23,000 words. It replaces GB/T 31455.6-2015, completing the seven parts revised together. It was issued on 31 December 2025 and has been in force since 1 July 2026, replacing GB/T 31455.6-2015. 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 semantics and syntax for data communication between the dispatch center and the station platform control system in a Bus Rapid Transit (BRT) intelligent system. Data frames, message frames, sessions, test methods, and verification rules. This document applies to the construction and management of data communication between the dispatch center and the station platform control system in a Bus Rapid Transit (BRT) intelligent system.

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 31455.1 Intelligent Bus Rapid Transit (BRT) Systems - Part

3 Terms and Definitions

The terms and definitions defined in GB/T 31455.1, GB/T 31455.2-2025, GB/T 32852.1 and GB/T 32852.2 apply to... This document.

4.Abbreviations The following abbreviations apply to this document. BRT. Bus Rapid Transit
EVDO. A 3G network standard based on CDMA (Evolution Data Only) IC. Integrated Circuit

4 Technology of station platform control systems and peripheral equipment Require

GB/T 32852.1 Urban Passenger Transport Terminology Part