

ICS 35.040
CCS A 24



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

GB/T 35420-2025

Replacing GB/T 35420-2017

**Identification system for internet of things - Storage of Ecode in
two-dimensional bar code**

物联网标识体系 Ecode在二维码中的存储

Issued on: May 30, 2025

Implemented on: December 1, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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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 for standardization documents" Drafting is required.

This document replaces GB/T 35420-2017 "Storage of Ecode in QR code for Internet of Things Identification System".

Compared with 2017, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The data structure type of Ecode has been changed (see Chapter 5, Chapter 5 of the 2017 edition);
- b) Added the encoding data structure of Ecode-V0 (see 6.1);
- c) The user area of the Ecode-V1, Ecode-V2, and Ecode-V3 coding data structures has been deleted (see 6.1 of the 2017 edition);
- d) The start character of the attribute area, the DCI start character and the DCI end character are deleted (see 6.2.2 of the 2017 version);
- e) Added the URL data structure of Ecode-V0 (see 7.1);
- f) Changed the leading character "?" in the unique identification area of the Ecode-V1, Ecode-V2, and Ecode-V3 URL data structures (see 7.2, 2017 7 of the 2001 edition);

g) Added the leading characters "?", " This document is proposed and coordinated by the National Article Coding Standardization Technical Committee (SAC/TC 287).

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The previous versions of this document and the documents it replaces are as follows.

--First published in 2017 as GB/T 35420-2017; --This is the first revision. IoT Identification System Storage of Ecode in QR code

1 Scope

This document specifies the data structure type, encoding, and Requirements for data structure, URL data structure and QR code selection.

This document is applicable to the Internet of Things (IoT) using QR codes as data carriers, including Ecode-V0, Ecode-V1, Ecode-V2, and Ecode-V3. application.

2 Normative references

GB/T 5261

GB/T 12905-2019

GB/T 16986

GB/T 18284

GB/T 21049

GB/T 31866-2023

GB/T 33993

GB/T 38606

GB/T 41208

3 Terms and definitions

The terms and definitions defined in GB/T 12905-2019, GB/T 31866-2023, GB/T 38606 and the following apply to this document.

3.1 two-dimensional bar code; 2D code

QR code A barcode symbol that represents information in two dimensions.

[Source. GB/T 12905-2019, 2.3, modified]

3.2 Ecode Ecode of entity code

A unified code for items in the Internet of Things identification system. Note. Abbreviated as Ecode.

[Source. GB/T 31866-2023, 3.1]

3.3 Version version; V

In Ecode encoding, the code used to distinguish different Ecode encoding structures.