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

GB/T 35419-2025

Replacing GB/T 35419-2017

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

物联网标识体系 Ecode在一维条码中的存储

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Table of Contents

Preface	III
1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Abbreviations	1
5 Symbols and Data Structures	2
6 Maximum symbol length	2
7 Characters for human reading	2
Appendix A (Informative) Example of storing Ecode in a one-dimensional barcode	3
References	4

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 35419-2017 "Storage of Ecode in one-dimensional barcode for Internet of Things Identification System" and is compatible with GB/T 35419- Compared with 2017, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) Changed the symbology requirements for Ecode stored in a one-dimensional barcode (see Chapter 5, Chapter 5 of the 2017 edition);
- b) Increased the maximum symbol length that Ecode can store in a one-dimensional barcode (see Chapter 6);
- c) Added human-readable character requirements (see Chapter 7).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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 35419-2017; --This is the first revision. IoT Identification System Storage of Ecode in one-dimensional barcode

1 Scope

This document specifies the symbols and data structure, maximum symbol The length of the number and the requirements for human-readable characters.

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

2 Normative references

GB/T 12508

GB/T 15425

GB/T 16986

GB/T 18347

GB/T 31866-2023

GB/T 38606

3 Terms and definitions

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

3.1 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]

3.2 Version version; V

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

Note. Ecode versions include Ecode-V0, Ecode-V1, Ecode-V2, Ecode-V3, etc.

[Source. GB/T 31866-2023, 3.2]

4 Abbreviations

The following abbreviations apply to this document. AI. Application Identifier