मसौदा भारतीय मानक
सूचना प्रौद्योगिकी — स्वचालित पहचान
और डेटा कैप्चर तकनीक — क्यूआर कोड
बार कोड सहजीवन विनिर्देश
(*पहला पुनरीक्षण*)

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Draft Indian Standard
Information Technology — Automatic Identification and Data Capture Techniques — QR Code Bar Code Symbology Specification
(First Revision)

ICS 01.080.50 35.040.50

Identification & Data capture techniques, Cards and Security Devices Sectional Committee, LITD 16	Last Date for Comments: 14 September 2025

NATIONAL FOREWORD

(Formal clauses will be added later)

This draft Indian Standard (First Revision) which is identical to 'ISO/IEC 18004: 2024 Information technology — Automatic identification and data capture techniques — QR code bar code symbology specification' issued by the International Organization Standardization (ISO) and International Electrotechnical Commission (IEC) will be adopted by the Bureau of Indian Standards (BIS) on the recommendations of the Identification & Data capture techniques, Cards

and Security Devices Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard was first published in 2021 and was identical with ISO/IEC 18004 : 2015. The first revision of this standard has been undertaken to align it with the latest version of ISO/IEC 18004: 2024.

The main changes are as follows:

— continuous grading according to ISO/IEC 15415 has been adopted for grade fixed pattern damage;

— the reference decoding algorithm has been clarified.

The text of ISO/IEC Standard may be approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard', and

b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

The technical committee has reviewed the provisions of the following International Standard referred to in this adopted draft standard and has decided that it is acceptable for use in conjunction with this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:-

International Standard	Title
ISO/IEC 15415,	Information technology — Automatic identification and data capture techniques — Bar code symbol print quality test specification — Two-dimensional symbols
ISO/IEC 15424	Information technology — Automatic identification and data capture techniques — Data Carrier Identifiers (including Symbology Identifiers)
ISO/IEC 19762,	Information technology — Automatic identification

	and data capture (AIDC) techniques — Harmonized vocabulary

Scope of ISO/IEC 18004: 2024 is as follows:

"This document specifies requirements for the symbology known as "QR code". It specifies the QR code symbology characteristics, data character encoding methods, symbol formats, dimensional characteristics, error correction rules, reference decoding algorithm, production quality requirements and user-selectable application parameters."

Note: - The Technical content of this document has not been enclosed as these are identical with the corresponding ISO/IEC Standard. For details, please refer to ISO/IEC 18004: 2024 or kindly contact.

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