<u>**BUREAU OF INDIAN STANDARDS**</u>
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मसौदा भारतीय मानक

सूचना प्रौद्योगिकी —

बॉयोमीट्रिक प्रौद्योगिकियों के कार्यान्वयन के क्रॉस-न्यायिक और सामाजिक पहलू — बॉयोमीट्रिक सिस्टम के साथ उपयोग के लिए पिक्टोग्राम, आइकन और प्रतीक—

भाग 4: फ़िंगरप्रिंट के अनुप्रयोग

Draft Indian Standard
Information Technology —
Cross-Jurisdictional and Societal Aspects of Implementation of Biometric Technologies — Pictograms, Icons and Symbols for use With Biometric Systems —
Part 4: Fingerprint Applications

ICS: 01.080.50; 35.240.15

LITD 32 Biometrics Sectional Committee	Last date for comments: 17 July 2023.

NATIONAL FOREWORD

(Formal clauses will be added later)

This Draft Indian Standard (Part 4) which is identical with ISO/IEC 24779-4:2017'Information technology —Cross-jurisdictional and societal aspects of implementation of biometric technologies —Pictograms, icons and symbols for use with biometric systems —Part 4: Fingerprint applications' issued by the International Organization for Standardization (ISO) and International Electrotechnical Commission (IEC) jointly will be adopted by the Bureau of Indian Standards on the recommendation of the Biometrics Sectional Committee and approval of the Electronics and Information Technology Division Council.

Other parts in this series are:
  Part 1: General principles
  Part 5: Face applications
  Part 9: Vascular applications

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

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

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.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:2022 'Rules for rounding off numerical values (Second Revision)'. The number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

Scope of ISO/IEC 24779-4:2017 as follows:
"This document contains a set of symbols, icons and pictograms to help the general public understand the concepts and procedures for using electronic systems that collect and/or process fingerprints. This set of symbols, icons and pictograms is designed to be used to
  — identify the type of biometric device,
  — provide static instructions related to a fingerprint device,
  — display dynamic real-time information related to the fingerprint device, and
  — indicate the status of the fingerprint device.

To provide this functionality, the set of symbols, icons and pictograms includes both directional symbols, icons and pictograms and real-time action or feedback symbols, icons and pictograms. The fingerprint device symbols, icons and pictograms can be categorized as

— finger/hand general biometric,
    — kind of finger, four fingers or hand device,
— finger/hand placement,
    — biometric position and impression which needs to be presented next,
    — hand orientation (switched hands),
— finger/hand quality feedback,
    — press (more or less),
    — raise/lower angle,
— finger/hand positioning,
    — hand/finger orientation,
    — necessary finger/hand movement (forward, backward, lateral),
    — rotation,
    — change angle, and
    — rolling finger(s).

Although the symbols, icons and pictograms are presented individually, it is intended that the symbols, icons and pictograms be combined to fully illustrate the fingerprinting interaction.

Alternative illustrations might be used; for example, in a customs or immigration environment, procedures constructed from the individual symbols, icons and pictograms could additionally be presented as

— a series of posters while waiting to use the biometric system,
— a series of transitional frames in a biometric booth,
— an animated video or series of transitional frames while waiting to use the biometric system, and
— instructional leaflets to read while waiting to use the biometric system

This multi-part International standard focuses on communication with the data capture subject. Operators could use this International standard, but they might need additional symbols and information.**"**

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 24779-4:2017 or kindly contact.

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