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Identification cards — Recording technique —

Part 9: Tactile identifier mark

Cartes d'identification — Technique d'enregistrement —

Partie 9: Marque d'identificateur tactile

Reference number
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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 7811-9 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and personal identification*.

ISO/IEC 7811 consists of the following parts, under the general title *Identification cards — Recording technique*:

— *Part 1: Embossing*

— *Part 2: Magnetic stripe — Low coercivity*

— *Part 6: Magnetic stripe — High coercivity*

— *Part 7: Magnetic stripe — High coercivity, high density*

— *Part 8: Magnetic stripe — Coercivity of 51,7 kA/m (650 Oe)*

— *Part 9: Tactile identifier mark*

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Identification cards — Recording technique —

Part 9:
Tactile identifier mark

1 Scope

This part of ISO/IEC 7811 specifies the physical characteristics of a tactile identifier mark used by visually-impaired card holders to distinguish their cards. It defines the area on the card for the tactile identifier mark (TIM) and the layout of Braille-style embossed dots arranged in patterns to enable easy tactile recognition.

2 Conformance

A TIM is in conformance with this part of ISO/IEC 7811 if it meets all mandatory requirements, and optional requirements as specified.

3 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 7810, *Identification cards — Physical characteristics*

ISO/IEC 7811-1, *Identification cards — Recording technique — Part 1: Embossing*

4 Terms, definitions and abbreviations

4.1 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 7810 and the following apply.

4.1.1
embossed
raised in relief from the front surface of the card by adding or reacting card material, or by deforming the card material from the opposite side

4.2 Abbreviations

TIM tactile identifier mark

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5 TIM physical characteristics

5.1 Location of TIM

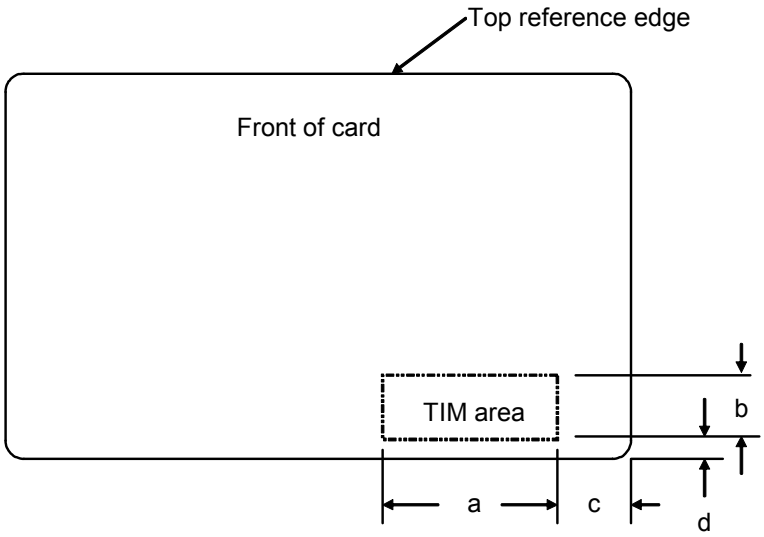
The TIM should be located on the front surface of the card in the area shown in Figure 1.

The TIM shall not be located outside the Name and address area defined by ISO/IEC 7811-1.

Regardless of TIM location, all other raised areas shall be at least 1 mm from the edge of any TIM.

NOTE Certain embossing techniques can damage card components that exist in TIM area.

dimensions in millimetres (inches)



a	18,5 (0.728) maximum
b	8 (0.315) maximum
c	10 ± 1 (0.394 ± 0.039)
d	2,92 ± 0,38 (0.115 ± 0.015)

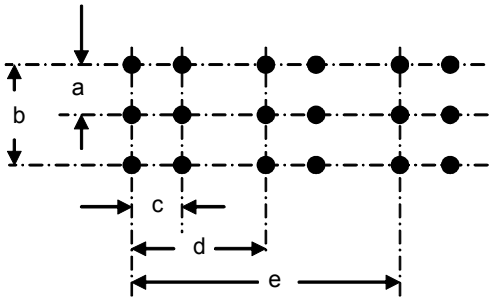
Figure 1 — Recommended TIM area

5.2 TIM dot arrangement

The TIM shall be composed of a maximum of 3 groups of 6 dots arranged as shown in Figure 2.

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dimensions in millimetres (inches)



a	2,3 (0.091)
b	4,6 (0.181)
c	2,3 (0.091) 3 places
d	6,1 (0.240)
e	12,2 (0.480)

Figure 2 — Arrangement of TIM dots

5.3 Dot dimensions

Dots used to make up the TIM shall have a relief height of 0,48 mm (0.019 inch) maximum and 0,3 mm (0.012 inch) minimum above the adjacent surface of the card. The shape of each dot is not specified; examples are shown in Figure 3.

dimensions in mm (inch)

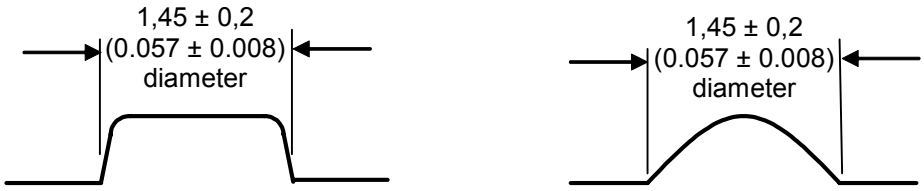


Figure 3 — TIM dot base size and shape illustration a

5.4 Sign design

It is recommended that the card holder select which of the 18 possible dots are to be raised. The maximum number of raised dots is 18 and the minimum is 1.

NOTE Since there are individual differences in discernment by the tactile sense, it is recommended that the card holder be able to use the combination of the dots that is easy for them to discriminate.

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