
International Standard



7811/5

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

**Identification cards — Recording technique —
Part 5: Location of read-write magnetic track — Track 3**

Cartes d'identification — Technique d'enregistrement — Partie 5: Position de la piste magnétique enregistrement-lecture, piste 3

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 7811/5 was prepared by Technical Committee ISO/TC 97, *Information processing systems*.

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The following International Standards cancel and replace ISO 2894 and ISO 3554, of which they constitute a technical revision:

ISO 7810, ISO 7811/1, ISO 7811/2, ISO 7811/3, ISO 7811/4, ISO 7811/5, ISO 7812, ISO 7813.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Identification cards — Recording technique — Part 5: Location of read-write magnetic track — Track 3

0 Introduction

This International Standard is one of a series of standards describing the parameters for identification cards as defined in clause 3 below and the use of such cards for international interchange.

The recording technique and the coded character sets for track 3, intended for numeric data, are specified in ISO 7811/2.

1 Scope and field of application

This part of ISO 7811 specifies the location of a track for read-write magnetic recording, track 3, on identification cards intended for automatic data interchange.

2 References

ISO 7810, *Identification cards — Physical characteristics.*

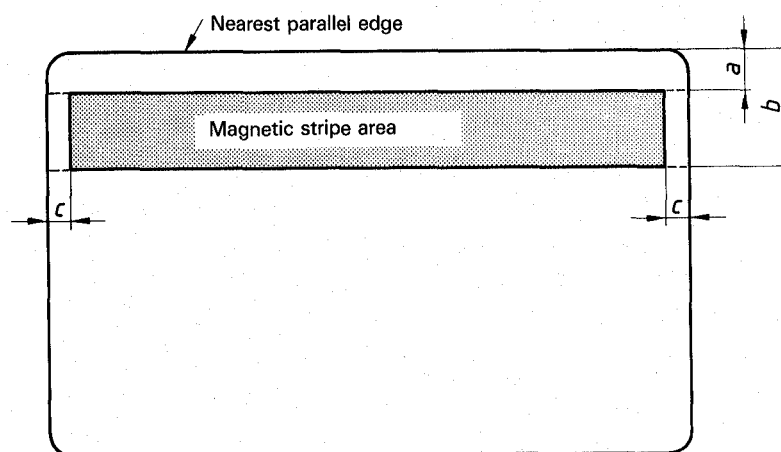
ISO 7811/2, *Identification cards — Recording technique — Part 2: Magnetic stripe.*

3 Definition

For the purpose of this part of ISO 7811, the definition of "identification card" given in ISO 7810 applies.

4 Location of magnetic material

The magnetic material shall be located in the area shown in figure 15.



Dimension	mm	in
<i>a</i>	5,54 max.	0.218 max.
<i>b</i>	15,82 min.	0.623 min.
<i>c</i>	2,92 max.	0.115 max.

Figure 1 — Location of magnetic stripe area for track 3

5 Location of encoded data track

Track 3 of encoded data shall extend between two lines, 12,52 mm (0.493 in) and 15,32 mm (0.603 in) from the nearest parallel edge of the card, but encodings, including the effects of fringing, shall not extend closer than a line 12,01 mm (0.473 in) from the same card edge or beyond 15,82 mm (0.623 in) from that edge (see figure 2).

6 Beginning of encoding

The centreline of the first data bit (start sentinel) shall be $7,44 \pm 1,00$ mm ($0,293 \pm 0,040$ in) from the right edge of the card as shown in figure 3.

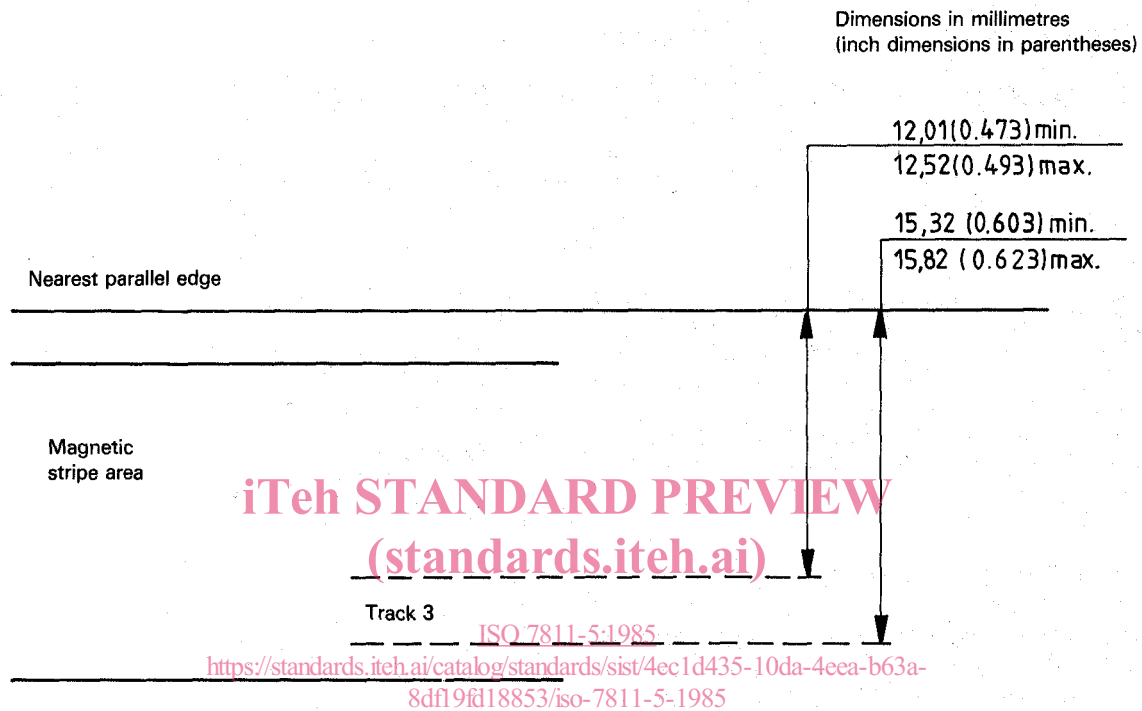


Figure 2 — Location of track 3

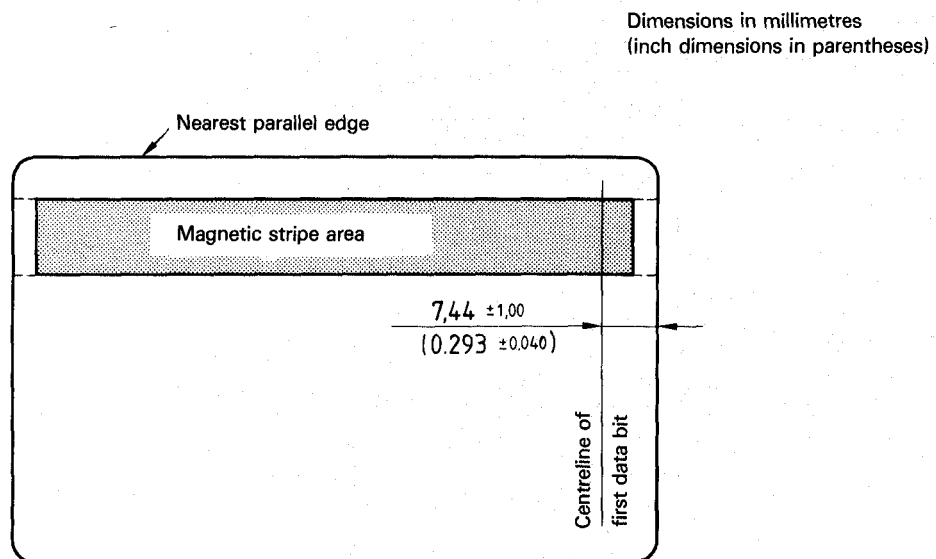


Figure 3 — Location of first data bits on track 3