
**Identification cards — Recording
technique —**

Part 6:

Magnetic stripe — High coercivity —

AMENDMENT 1: U_{i6} criteria and test
method

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Cartes d'identification — Technique d'enregistrement —

Partie 6: Bandeau magnétique — Haute coercitivité —

AMENDEMENT 1: Critères U_{i6} et méthode d'essai

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Foreword

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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.

Amendment 1 to ISO/IEC 7811-6:2001 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and personal identification*.

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page v, Foreword

Add the following after point 5:

6. The algorithm defined in Figure 7 of ISO/IEC 7811-6 has been changed to produce more consistent results.

page 8, subclause 7.3, Table 1

In the Requirement column for the Waveform row, replace " $U_{i6} \leq 0,05 U_{A6}$ " with " $U_{i6} \leq 0,07 U_{A6}$ ".

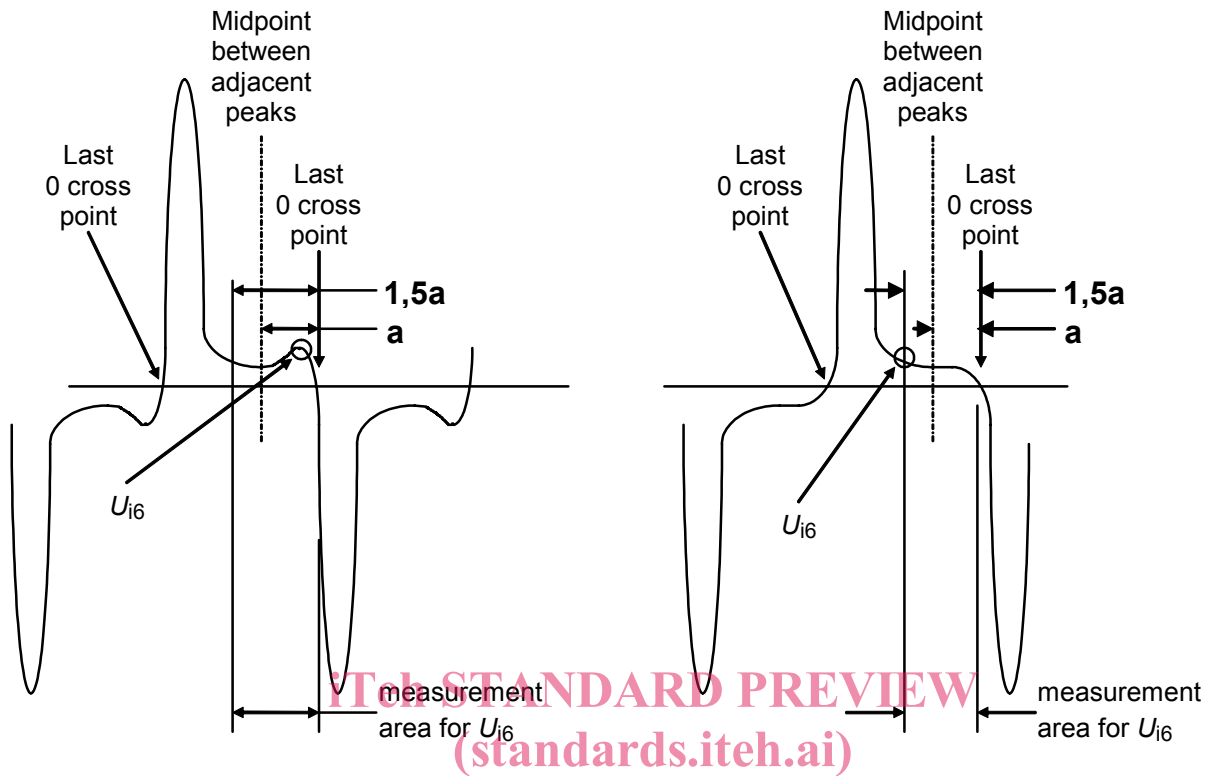
Add a row above the note at the end of the table for the following text: "Use test method in Annex E for waveform criteria."

Add the following sentence to the existing note: "These values are for unencoded card tests and are **not** applicable for encoded cards."

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Replace the figure with the one shown below.



1.	Find midpoint between 2 adjacent peaks.
2.	Find 0 crossing point for waveform between midpoint and adjacent peak.
3.	The measurement area is 1,5 times the distance between the midpoint and 0 cross point.
4.	Find the largest signal amplitude level in the measurement area defined in the figure.
5.	The absolute value of this level is the U_{i6} for the waveform.

Add the following annex after Annex D.

Annex E (normative)

Waveform U_{i6} test method

E.1 Purpose

The purpose of this test is to determine the degree of waveform distortion present in the read back waveform when recorded under the specified conditions.

NOTE This test method will be included in the next published version of ISO/IEC 10373-2 (currently under revision).

E.2 Apparatus

The test shall be conducted using the apparatus specified in ISO/IEC 10373-2 for Amplitude measurements against this standard.

E.3 Procedure

Perform the entire sequence of measurements on the same equipment and under the same conditions.

The read pass upon which measurements are made shall be performed while reading in the same direction as recording. Only the traverse necessary to restore the card to its start position shall intervene between the recording pass and the read pass upon which the measurements are performed.

Record and read the card under the conditions specified in the base standard, with the following additional constraints:

- a) Encode flux transitions at the density specified in Table 1 across the full length on the card in the track 2 position.
- b) Determine and record the value of the average amplitude U_{A6} .
- c) Using the procedure in the base standard, find the largest value of U_{i6} for the card and record this as the U_{i6} value.

E.4 Test report

The report shall give the quantity values obtained and shall state whether or not the result conforms to the requirements of the base standard.

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