

---

---

**Identification cards — Recording  
technique —**

Part 6:

**Magnetic stripe — High coercivity —**

AMENDMENT 1:  $U_{i6}$  criteria and test  
method

*Cartes d'identification — Technique d'enregistrement —*

*Partie 6: Bandeau magnétique — Haute coercitivité —*

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

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO/IEC 2005

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

## 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 of 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*.



## Identification cards — Recording technique —

### Part 6: Magnetic stripe — High coercivity —

#### AMENDMENT 1: $U_{i6}$ criteria and test method

*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.

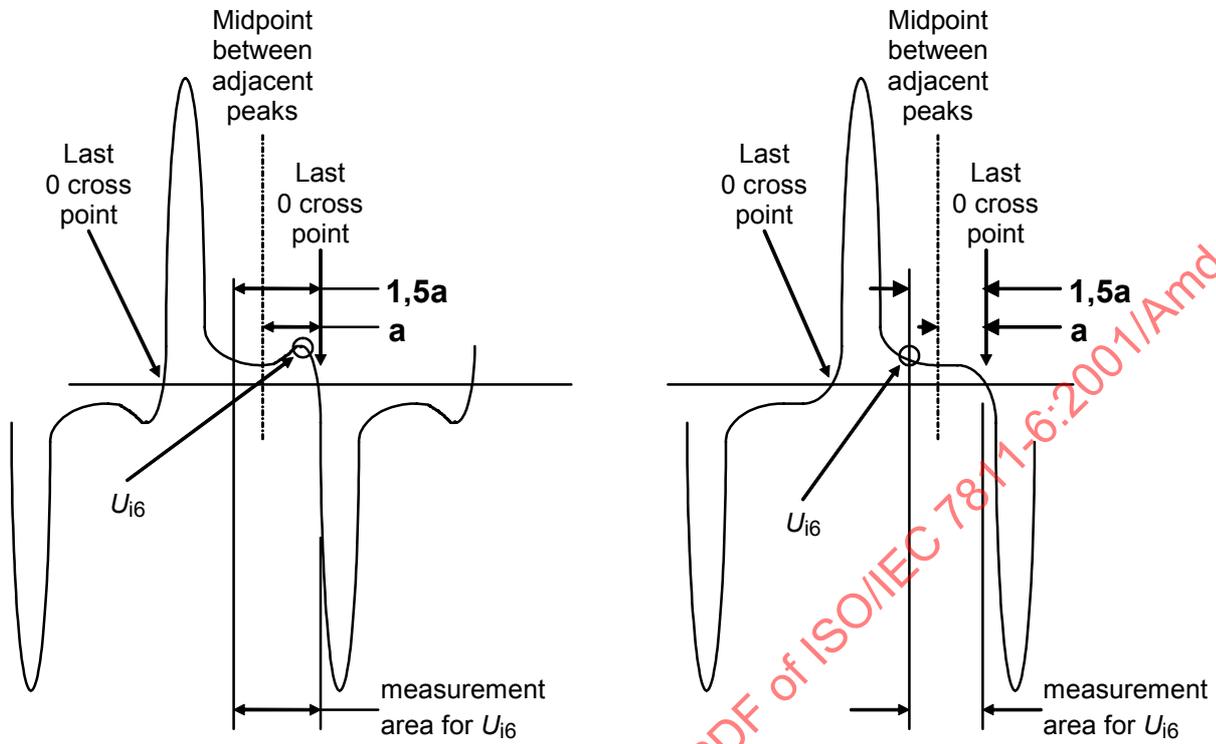
*page 8, subclause 7.3, Table 1*

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."

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.