American National

INCITS 378-2009/AM1-2010

Standar

Reaffirmed as INCITS 378:2009/AM 1:2010 (R2020)

for Information Technology – Finger Minutiae Format for Data Interchange – Amendment 1

Developed by



Where IT all begins



This is a preview of "INCITS 378:2009/AM 1". Click here to purchase the full version from the ANSI store.

INCITS 378-2009/AM1-2010 Amendment to INCITS 378-2009

American National Standard for Information Technology –

Figner Minutiae Format for Data Interchange – Amendment 1

Secretariat

Information Technology Industry Council

Approved October 25, 2010

American National Standards Institute, Inc.

Abstract

This amendment to the INCITS 378-2009 standard assigns a new version number to distinguish the INCITS version from the SC 37 version, provides additional choices for multiple-finger codes, resolves minor inconsistencies, clarifies ambiguities, and updates Annex B.

American National Standard

Approval of an American National Standard requires review by ANSI that the requirements for due process, consensus, and other criteria for approval have been met by the standards developer.

Consensus is established when, in the judgement of the ANSI Board of Standards Review, substantial agreement has been reached by directly and materially affected interests. Substantial agreement means much more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that a concerted effort be made towards their resolution.

The use of American National Standards is completely voluntary; their existence does not in any respect preclude anyone, whether he has approved the standards or not, from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to the standards.

The American National Standards Institute does not develop standards and will in no circumstances give an interpretation of any American National Standard. Moreover, no person shall have the right or authority to issue an interpretation of an American National Standard in the name of the American National Standards Institute. Requests for interpretations should be addressed to the secretariat or sponsor whose name appears on the title page of this standard.

CAUTION NOTICE: This American National Standard may be revised or withdrawn at any time. The procedures of the American National Standards Institute require that action be taken periodically to reaffirm, revise, or withdraw this standard. Purchasers of American National Standards may receive current information on all standards by calling or writing the American National Standards Institute.

CAUTION: The developers of this standard have requested that holders of patents that may be required for the implementation of the standard disclose such patents to the publisher. However, neither the developers nor the publisher have undertaken a patent search in order to identify which, if any, patents may apply to this standard. As of the date of publication of this standard and following calls for the identification of patents that may be required for the implementation of the standard, no such claims have been made. No further patent search is conducted by the developer or publisher in respect to any standard it processes. No representation is made or implied that licenses are not required to avoid infringement in the use of this standard.

Published by

American National Standards Institute, Inc. 25 West 43rd Street, New York, NY 10036

Copyright © 2010 by Information Technology Industry Council (ITI) All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without prior written permission of ITI, 1101 K Street NW, Suite 610 Washington, DC 20005.

Printed in the United States of America

Foreword (This foreword is not part of American National Standard INCITS 378-2009/AM1-2010.)

Requests for interpretation, suggestions for improvement or addenda, or defect reports are welcome. They should be sent to InterNational Committee for Information Technology Standards (INCITS), ITI, 1101 K Street, NW, Suite 610, Washington, DC 20005.

This standard was processed and approved for submittal to ANSI by INCITS. Committee approval of this standard does not necessarily imply that all committee members voted for its approval. At the time it approved this standard, INCITS had the following members:

Don Wright, Chair Jennifer Garner, Secretary

Organization Represented	Name of Representative
Adobe Systems Inc	
AIM Global Inc.	
Apple Computer, Inc.	
Distributed Management Tools Force	Helene Workman (Alt.) David Singer (Alt.)
Distributed Management Task Force	Jeff Hilland (Alt.)
EMC Corporation	Henry Cuschieri (Alt.)
Farance Inc.	. Gary Robinson . Frank Farance Timothy Schoechle (Alt.)
Google	. Zahedá Bhorat
G31 U3	Frank Sharkey (Alt.) James Chronowski (Alt.)
Hewlett-Packard Company	Mary Wilson (Alt.) Karen Higginbottom Paul Jeran (Alt.)
IBM Corporation	. Gerald Lane Robert Weir (Alt.)
	Arnaud Le Hors (Alt.) Debra Boland (Alt.)
IEEE	
Intol	Jodie Haasz (Alt.) Bob Labelle (Alt.)
Intel	Grace Wei (Alt.)
Lexmark International	Stephen Balogh (Alt.) Don Wright Dwight Lewis (Alt.) Paul Menard (Alt.)
Microsoft Corporation	Jerry Thrasher (Alt.)
National Institute of Standards & Technology	John Calhoun (Alt.)

Organization Represented	Name of Representative
Oracle Corporation	Donald R. Deutsch Jim Melton (Alt.) Michael Kavanaugh (Alt.) Toshihiro Suzuki (Alt.) Jeff Mischkinsky (Alt.) Tony DiCenzo (Alt.) Eduardo Gutentag (Alt.)
Purdue University	. Stephen Elliott Adam Wamsley (Alt.) . Gary Phillips Arnold Jones (Alt.) Dave Thiel (Alt.)
Storage Networking Industry Association (SNIA)	
US Department of Defense	
US Department of Homeland Security	

Technical Committee M1, Biometrics, which reviewed this standard, had the following members:

Fernando Podio, Chair Catherine Tilton, International Representative John Neumann, Acting Secretary

Organization Represented	Name of Representative
Aoptix Technologies	. Dan Potter Keith Hartman (Alt.)
Authenti-Corp	Valorie Valencia
Biometric Associates, Inc.	
Computer Sciences Corporation (CSC)	Rick Lazarick Greg Cannon James Cambier (Alt.)
Daon, Inc.	Cathy Tilton
Deloitte	Mathew Swayze (Alt.) Rish Pathak Ron Sutton (Alt.)
Fujitsu Laboratories of America	. Dan Dalton ` ´
International Biometric Group LLC	Jerry Byrnes (Alt.) .Michael Thieme Brian Wong (Alt.)
ID Technology Partners, Inc.	Fred Herr Paul Collier (Alt.) Mark Jerde (Alt.)
Ingersol Rand Security Technologies	. Samir Tamer
IriTech, Inc	Susie Osowski (Alt.) Dae Hoon Kim Jovce Kim (Alt.)
L1 Identity Solutions, Inc.	Udo Mahlmeister Tim Brown (Alt.) Daniel Asraf (Alt.) Brian Martin (Alt.)
Iris ID Systems (Formerly LG Electronics)	Samir Shah (Alt.) Mohammed Murad (Alt.)
Mitsubishi Electric Research Laboratories	Anthony Vetro Shantanu Rane (Alt.)

Organization Represented	Name of Representative
Morphotrack, Inc.	John Douglass (Alt.)
National Biometric Security Project	Justin Smith (Alt.)
NIST	Fernando Podio Patrick Grother (Alt.)
	Michael Hogan (Alt.) Elham Tabassi (Alt.)
OSS Nokalva	
Purdue University	Stephen Elliott Eric Kukula (Alt.)
Sonovation	Shimon Modi (Aİt.) Omid Jahromi
United States Dept. of Defense - DISA	Dennis Devera Dung Pham (Alt.)
United States Dept. of Defense - BTF	
	James Hutchinson (Alt.) Dale Hapeman (Alt.)
United States Dept. of Hamsland Security	Alexander Montgomery (Alt.)
United States Dept. of Homeland Security	John Mayer-Splain (Alt.)
11 11 12 12 12 13 14 15 14 15	Martha Bodden (Alt.) Arun Vemury (Alt.)
United States Dept. of Justice / FBI	Scott Carey (Alt.)
United States Dept. of State	Michael McCabe (Alt.)Barry Kefauver
Unisys	
UPEK, Inc.	Mike Chaudoin Vito Fabbrizio (Alt.)
Subcommittee M1.3, which developed this standard, ha	d the following members:
John Neumann, Acting Chair	
Cathy Tilton, Acting IR John Mayer-Splain, Recording Secretary	
Organization Represented	Name of Representative
Aoptix Technologies	David Benini
Cross Match Technologies	Jim Cambier (Alt.)
CSCDaon	Matt Swayze
DHS	Cathy Tilton (Alt.) John Mayer-Splain
	Martha Bodden (Alt.) Will Graves (Alt.)
DoD/BTF	Arun Vemury (Alt.) Gregory Zektser
	Benji Hutchinson (Alt.) Tom D'agostino (Alt.)
FBI	Michael McCabe Scott Carey (Alt.)
IriTech	Scott Swann (Alt.)
L1 Identity Solutions	Udo Mahlmeister
LG Electronics USA, Inc	Samir Shah (Alt.)
INITION OF THE CHILD RESEARCH LADORATORIES	Shantanu Rane (Alt.)

This is a preview of "INCITS 378:2009/AM 1...". Click here to purchase the full version from the ANSI store.

Organization Represented	Name of Representative
MorphoTrak, IncNIST	
	Patrick Grother (Alt.) Michael Hogan (Alt.) John Neumann (Alt.) Fernando Podio (Alt.) Brad Moore (Alt.) Brad Wing (Alt.)
Sonavation	Omid Jahromi
Voice XML Forum	Judith Markowitz (Liaison)

AMERICAN NATIONAL STANDARD

INCITS 378-2009/AM1-2010

American National Standard for Information Technology –

Finger Minutiae Format for Data Interchange – Amendment 1

INCITS 378: 2009 Amendment Changes

1. Clause 4.18 finger view;

Replace with:

The collection of data related to a specific acquisition of a single or multiple-finger combination. In the general case, a minutiae record may contain multiple finger views with each single or multiple-finger view containing data from a different acquisition of the same single or multiple-finger combination.

2. Clause 6.5.2.3 Case 3; End of 4th line

Replace "...where the line RH parallels..."

with:

"...where the line R₁H parallels..."

3. Clause 7.3 Finger Minutiae Record Organization; 1st bullet end of line 1;

Replace "...fingers" with "...finger views"

4. Clause 7.4.2 Version number; last sentence

Replace with:

Upon approval of this standard, the version number shall be "035" - Version 3 revision 5.

NOTE – In order to enable decoders implementing both national and international versions of the standard, the revision number of this version was increased from "030" to "035". Versions "031", "032", "033", and "034" do not currently exist but could be used for revisions to the international standard.