

<p>NIST Comments on BSR INCITS 423.4: Conformance Testing Methodology for INCITS 381-2004 Finger Image-Based Data Interchange Format</p> <p>F. Podio/Y. Lee. Contact: fernando.podio@nist.gov</p>	<p>Date: 2008-01-04</p>	<p>Document: BSR INCITS 423.4</p>
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1	2	(3)	4	5	(6)	(7)
MB ¹	Clause No./ Sub-clause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of comment ² (general, editorial, tech (major), tech (minor))	Comment (justification for change)	Proposed change or rationale	

NIST1	6.2.1	Table 1 1.1 2.1 and Note 1	Te	<p>According to clause 5.1 of INCITS 381-2004, the byte order for all multi-byte quantities needs to be represented in one specific format (Big-Endian). Assertions to test for the Little-Endian format are included. Note 1 should provide additional information on the need for these assertions and how implementers of this standard need to handle the test results.</p> <p>Information should be provided on why the same approach does not apply to all of the other multi-byte fields as well.</p>	<p>Provide more details on the rational for these additional assertions. Discuss whether similar assertions for other multi-byte fields are necessary. Address in the standard in more detail how to handle the test results related with these assertions.</p>	
NIST2	6.2.1	Table 1 7 and 7.1	Te minor	<p>These two assertions could be combined.</p>	<p>Could change assertion 7 to test for EQ to 1-256. Assertion 7.1 could be deleted</p>	
NIST3	6.2.1	Table 1 8 and 8.1	Te Minor	<p>These two assertions could be combined.</p>	<p>Could change assertion 8 to test for EQ to 1-2. Assertion 8.1 could be deleted</p>	
NIST4	7.2.1 and 7.2.1.3		Te Minor	<p>See NIST1</p>	<p>See NIST1</p>	
NIST5	7.2.2 and 7.2.2.3		Te Minor	<p>See NIST1</p>	<p>See NIST1</p>	
NIST6	7.2.5.3		ed	<p>Revise wording</p>	<p>Change " the content of the two byte location" to</p>	

					" the low order 12 bits of the two byte location"	
NIST7	7.2.8.3		Te minor	According to clause 7.1.8 of INCITS 381-2004, "0x01" indicates pixels per inch, or 0x02 indicates pixels per centimeter	Change "0x0 or 0x1" to " 0x01 or 0x02"	
NIST8	7.2.13		Te Minor	Table 2 of INCITS 381-2004 requires the length of the reserved field to be 2 bytes and clause 7.1.15 requires it to be four bytes.	Include a note that the implementer should state whether the record contains a 2 or 4-byte reserved field. The test case should indicate that the test should be performed on 2 or 4 bytes depending upon the implementer's statement.	
NIST9	7.3.1.3	Level 2 testing	Te minor	The field content includes the finger/palm record header and the size of the compressed or uncompressed image data. The statement under level 2 testing is unclear.	Change "...identical to the byte count of the image data block" to "identical to the length of the finger/palm record header and the size of the compressed or uncompressed image data"	
NIST10	7.3.2.3	Expected results	Te Major	The reference to Table 3 of ANSI/NIST-ITL 1-2000 is incorrect. The requirements in 7.2.2 of the INCITS 381-2004 standard are not quite correct. It refers to tables in the ANSI/NIST ITL 1-2000 standard and "modified" tables included in the INCITS 381-2004 standard. The test case should refer to these modified tables (Tables 5 and 6 of INCITS 381-2004).	Change "...column of Table 3 and Table 19 of ANSI/NIST-ITL 1-2000" to "...column of Table 5 and Table 6 of INCITS 381-2004."	
NIST11	7.3.6.3	Level 1 testing	Te minor	The requirement in clause 7.2.6 of INCITS 381 is incorrect. This clause should have referred to Table 5 of the ANSI/NIST-ITL 1-2000. INCITS 381-2004 refers to Table 7 in the standard when it refers to finger and palm impression types. The statement under 7.3.6.3 of the conformance testing methodology standard should refer to the appropriate table.	Change "in the first column of Table 6 of ANSI/NIST-ITL 1-2000" to "in the first column of Table 7 of ANSI/INCITS 381-2004"	

-----Original Message-----

From: Fernando Podio [mailto:fernando.podio@nist.gov]

Sent: Friday, January 04, 2008 10:03 AM

To: Bennett, Barbara

Cc: patrick.grother@nist.gov; enewton@nist.gov; tabassi@nist.gov; michael.hogan@nist.gov; Podio, Fernando

Subject: NIST comments on BSR 423.4

Dear Barbara,

I attached NIST's comments on BSR 423.4 in response to the second Public Review.

Regards,

Fernando