

Approved disposition of comments to “Tenprint Capture Using BioAPI” draft [M1060893] submitted against letter ballot [M1060941]

Date: 2006-12-15	Document: M1/06-1073
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1	2	(3)	4	5	(6)	(7)
MB ¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of comment ²	Comment (justification for change) by the MB	Proposed change by the MB	Proposed Editors Disposition
NIST 1	Cover page		ed	The source is INCITS M1 Include the revision history.	Change the document source to INCITS M1 Include the draft revision table indicating draft numbers and dates Include INCITS Project Number and full title Remove the words “Working draft”	Accept
NIST 2	Foreword		ed	TG Ad-Hoc Groups submit documents to the TG. This document was submitted to M1 for ballot by M1.2	Reflect change	Accept
DHS1	1	2 nd p	ed	Passive voice is inconsistent with the rest of the standard	Replace ‘This may include ...’ with ‘This includes ...’	Accept
NIST 3	3	1 st normative reference	te	The 1 st reference is included under the assumption that the October 19, 2006 draft will be available to implementers of the standard. This might not be the case.	M1.2 needs to discuss the correct reference that should be included in this standard. Referencing the approved version will delay the approval of this standard. Undated references are appropriate but they assume the existence of a standard (in this case the 2006 version does not exist as an approved standard).	Include normative reference to 200x version draft, noting “to be published”. When final editing is nearing completion (and just prior to the management review), if the ITL specification is still not approved, the reference would be moved to the informative reference section of the INCITS standard. Our draft will not include reference to the 2006 version because we will not be able to remove it without another public review.
DHS2	4.1 4.2		ed	Font size appears to be different than other Terms and Definitions	Correct font size	Accept
NIST 4	6.1.3.3 and other instances		ge	Numerical values	Replace 1 by ‘1’	Accept
BMO1	6.1.3.3	2nd	tech(In the BioAPI_ControlUnit function, a ControlCode value	Explain to me.	This document serves as the

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		Sentence	minor)	of 1 is used to indicate that a CCB is being sent. Does this value need to be registered (by inclusion in the BioAPI standard)? Or, does the BioAPI_UNIT_SCHEMA - UnitProperties value tell you how to interpret this value of 1?		registry.
BMO2	6.2.1		tech(minor)	Says error codes SHOULD be assigned. Where is this done? In the documentation of the particular tenprint device?	Explain to me.	A new section will be added called “Error Codes”, followed by: “The following define additional error codes.” And the text found at the end of the table. Text in sections 6.1.4 and 6.2.4 will be edited to reflect these changes.
BMO3	6.2.3.4	2nd Sentence	editorial	Says: “...Format Owner and Format Type shall be set to 0x001 and B8013 respectively...”	Should be: “...Format Owner and Format Type shall be set to 0x001B and 0x8013 respectively...”	Accept
NIST 5	6.1.4 and 6.2.4		te	Additional Error Return Codes	Undefined – Need error codes? – defined them	See BMO2
NIST 6	6.2.3.5	1 st sentence	te	incomplete	Complete sentence. Combine 1 st and 2 nd sentences (“... as specified”)	Accept. Replace “CCB” with “COB”.
DHS3	6.2.3.4 6.2.3.5		te minor	Clause 4.2 defines the output of a BSP as a COB.	Replace CCB with COB	Accept
BMO4	6.3.4	note	editorial	There is a SHALL statement in a NOTE - not allowed.	Move the second sentence of the note into the body of 6.3.4.	Accept
BMO5	6.3.4.3	last sentence	editorial	Says: “...the Unit property structure is defined as follows.” This is a requirement, therefore it should say SHALL.	Change to: “...the Unit property structure shall be defined as follows.”	Accept
BMO6	6.3.4.3	Table 1	editorial	The entry for “Number of image resolutions supported” has a valid range of 0-255. I hope these devices support at least one image resolution.	Change the “Valid Values” to 1-255	Accept
NIST 7	7	2 nd paragraph, last	te	“must” should not be used	Replace: “the BSP must then...” by “The BSP shall then...”	Accept

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		sentence				
NIST 8	8.4, 9.2	Reference to ANSI/NIST – ITL-2006	te	Reference to ANSI/NIST ITL-2006	Change as needed after addressing “NIST3”	Accept. See NIST3
BMO7	8.1	Table 2	editorial	Field 1.004 still references EFTS. The TOTs could defined in a different specification.	Delete “EFTS 7.1”	Accept
BMO8	8.1	Table 2	editorial	ISO likes the term clause rather than “section”	replace all	Accept. Replace words “section” with “clause”:
BMO9	8.1	Table 2	editorial	Field 4.008, compression types can be more than WSQ and none, use “e.g.”.	Change to “(e.g., none, WSQ)”	Accept
BMO10	8.1	Table 2	editorial	Field 4.008, reference should be to Section clause 8.6 (not 8.4).	Change to “see clause 8.6”	Accept. Reference will be changed to correct clause.
BMO11	8.2 - 8.10		editorial	examine use of is, will, should and shall.	Make sure that Mandatory fields use “shall” statements	Accept. Review and fix use of words should, shall, etc.
DHS4	8.4			In response to NIST’s Call for Comments on the proposed draft of the Data Format for the Interchange of Fingerprint, Facial, & Other Biometric Information 1-2006, which closed November 27, comments were submitted to address amputations in Type-14 records.	Discuss	Editor recommends leaving existing text in place. We may want to consider a review of the issue upon publication of 2007 version.
NIST 9	8.5	1 st paragraph		Possible error return	No need to specify?	See BMO2. Change sentence from: The Type-14 SLC, HPS, VPS fields may be used to indicate the capture resolution. These fields can be used to select either 500 or 1000 ppi image capture. If the BSP is not capable of capturing at the specified resolution it shall return an error. All requested Type-4

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						<p>records shall be captured at 500 ppi. For CCBs, the value of the ISR field in Type-4 records will be ignored. COBs containing Type-4 records will have this field set to an24 appropriate value.</p> <p>To</p> <p>An application may use the Type-14 SLC, HPS, and VPS fields to indicate the desired capture resolution. It shall be defined as either 500 or 1000 ppi. If the BSP is not capable of capturing at the requested resolution, it shall return an error. All requested Type-4 records shall be captured at 500 ppi. For CCBs, the value of the ISR field in Type-4 records will be ignored. COBs containing Type-4 records will have this field set to an24 appropriate value.</p>
NIST 10	8.5	2 nd paragraph		Use of will (twice)	If these are requirements for conformance to the standard use “shall” Clarify requirement.	Accept. Will review to change to MAY or SHALL as appropriate.
CMT1	8.7		T	It would be good to provide guidance as to the order of the desired workflow.	Add: The Order of the IDC codes of the input CCB shall	Accept

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					be the order of the task in the workflow	
DHS5	8.9		ed	Replace ‘will always be done’ with ‘will always be set’	Replace ‘will always be done’ with ‘will always be set’	Accept
DHS6	8.10		ed	Replace text with: The BPX field is mandatory for CCBs and COBs. It shall always contain the value 8.	Replace text with: For Type-14 records, the BPX field is mandatory for CCBs and COBs. It shall always contain the value 8.	Accept
Daon1	8.9		TM	Current requirements issued by the USG Tenprint Users Group include the following: The Software shall allow the capture quality threshold for each finger to be configurable and also provide the ability to override manually during the capture process. The capability to set individual finger quality thresholds is not current identified in the standard; however, a mechanism does exist in using the quality field of the Type 14 input record (CCB) to set these values (to be overwritten by the actual quality value on output).	Add paragraph to read: Individual finger capture quality thresholds are set as follows: NFIQ: In the IQM field (14.022), the finger number(s) and corresponding quality threshold value(s) are set. (For example, if a value of NFIQ 3 or better/lower is required, the value for that finger would be set to 3 meaning <=3.) Other: If an alternate quality metric has been selected by the application, then the AFM (14.024) field is used and a threshold value between 0-100 set. (For example, a quality setting of 75 would mean values >=75 are acceptable.)	Accept
NIST 11	9.1	1 st paragraph		Values on the table are required	Rephrase the second sentence to include a normative requirement for these elements. A1.1 Do not use “some of these elements”	Accept. Change table heading to “BIR Header Elements with Fixed Values”.
CMT 2	9.2		T	It would be good to allow the BSP to provide information about the Date to deliver the Information	Reference the type 2 tags to deliver this information 2.038 for Date Printed	Accept.

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CMT 3	9.2		T	It would be good to allow the BSP to provide information about the Make, Model, and Serial Number of the Fingerprint Scanner Used to deliver the Information	Reference the type 2 tags to deliver this information 2.067 for Image Capture Equipment	Accept
DHS7	Annex A		ed	References to ANSI/NIST and EFTS files should be replaced with appropriate references to CCB and COB	Replace references to ANSI/NIST and EFTS files with CCB and COB, as appropriate.	Accept

TEXT FOR INCLUSION IN SECTION 6.2.1:

BioAPI_TPERR_UNABLE_TO_PARSE (0x020000) – The reference template could not be parsed in a ControlUnit() call. This would be due to a syntax error in the reference template. It can also be used when a more specific error is not available.

BioAPI_TPERR_ROLLS_UNSUPPORTED (0x020001) – The BSP does not support roll capture and a roll capture request was made in a ControlUnit() call.

BioAPI_TPERR_SLAPS_UNSUPPORTED (0x020002) – The BSP does not support slap capture and a slap capture request was made in a ControlUnit() call.

BioAPI_TPERR_SEGMENT_UNSUPPORTED (0x020003) – The BSP does not support slap segmentation and a slap segmentation request was made in a ControlUnit() call.

BioAPI_TPERR_EXTRACT_UNSUPPORTED (0x020004) – The BSP does not support individual fingerprint extraction from a slap and an extract request was made in a ControlUnit() call.

BioAPI_TPERR_QUALITY_ALG_UNSUPPORTED (0x020005) – The BSP does not support the quality algorithm specified and a request was made in a ControlUnit() call.

BioAPI_TPERR_COMPRESS_ALG_UNSUPPORTED (0x020006) – The BSP does not support the compression algorithm specified and a request was made in a ControlUnit() call.

BioAPI_TPERR_SEG_ALG_UNSUPPORTED (0x020007) – The BSP does not support segmentation algorithm requested and a request was made in a ControlUnit() call.

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BioAPI_TPERR_RESOLUTION_UNSUPPORTED (0x020008) – The BSP does not support the image resolution requested and a request was made in a ControlUnit() call.

BioAPI_TPERR_TYPE4_UNSUPPORTED (0x020009) – The BSP does not support Type 4 records and a request was made in a ControlUnit() call.

BioAPI_TPERR_TYPE14_UNSUPPORTED (0x020008) – The BSP does not support Type 14 records and a request was made in a ControlUnit() call.

BioAPI_TPERR_FINGER_POS_UNSUPPORTED (0x020009) – The BSP does not support the finger position and a request was made in a ControlUnit() call.

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