

1	(2)	3	4	(5)	(7)
Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of comment <sup>2</sup>	Comment (justification for change) by Member	Proposed change by Member	Proposed Editors Disposition
5.2.1.10	first	te	<p>The current text reads:</p> <p>Optional. This field specifies the date and time that the biometric data was taken. The Creation Date is expressed in the following format: YYYYMMDDhhmmssZ (Z denotes Coordinated Universal Time, which is abbreviated UTC). For example, December 15, 2000 at 5 AM, 35 minutes and 30 seconds is expressed as 20001215053530Z.</p> <p>And Table A.1 indicates the field should have length 8 bytes.</p>	<p>Reword as follows:</p> <p>Optional. This field specifies the date and time that the biometric data was taken. The Creation Date is expressed in a binary representation of the following format: YYYYMMDDhhmmssZ (Z denotes Coordinated Universal Time, which is abbreviated UTC).</p> <p>EXAMPLE: December 15, 2000 at 5 AM, 35 minutes and 30 seconds would be encoded as:</p> <p>INSERT into the text the Table XYZ included below these comments.</p>	
5.2.1.9			<p>According to BioAPI INCITS 358-2002 clause 2.1.46, BioAPI quality is a signed one byte integer and little Endian too.</p> <p>More generally although BioAPI is already a normative reference (see clause 3) is that really sufficient regarding specification of the data type here and elsewhere.</p>	<p>EITHER insert:</p> <p>NOTE: The data type of the quality field is given in INCITS 258-2002.</p> <p>OR:</p> <p>Make explicit that quality is to be stored as a Little Endian single byte signed integer.</p>	
5.2.1.9			<p>BioAPI INCITS 358-2002 includes seven occurrences of:</p> <p>NOTE: All integer values in the BIR header are little-endian.</p> <p>The 19794-x standards and their M1 counterparts INCITS 381, 385 etc say:</p> <p>all multibyte quantities are represented in Big-Endian format</p> <p>CBEFF makes no mention of this issue for its multibyte values, but endianness needs to be specified. Normative reference to BioAPI is not sufficient for this purpose because endianness is only mentioned in NOTES there.</p>	<p>Specify Big Endian throughout (thereby agreeing with 19794-x, and departing from BioAPI).</p>	

<sup>1</sup> **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by \*\*)

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**NOTE** Columns 1, 2, 4, 5 and 6 are compulsory.

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5.2.1.11			The validity period contains two dates. These need a definitive format too.	Use same data format as Table A per comment on 5.2.1.10 above.	
5.2.1.12			The clause indicates that the creator field is a string.  The note in Table A1 indicates that the field includes a length of the field, N, contained in its first four bytes, and implies that the string has length N-4 bytes.  Is the string ASCII or UNICODE?	Add new paragraph after "Passport Australia"  This field has a variable length, N >= 4, bytes. The length, N, shall be present in the first four bytes as a Big Endian unsigned integer. The remaining text portion shall consist of N-4 ASCII characters, including at least 1 null terminators 0x0.	
5.2.1.16 and Table A1			Optional sub-header structure count field precedes the "optional fields present mask". This makes parsing difficult or impossible.	Make the "options field present" mask mandatory (M) and insert its line in Table A1 immediately before the structure count field.  Strike the text below the last Table of Annex A.	
5.2.1.16			The note in Table A1 "supports nesting to 255 levels" implies that this field is a unsigned single byte integer.	Make this explicit.	
5.2.1.16			The text reads: "This field is used only in CBEFF nested structures. It may be useful to allow it in non-nested structures too, with value zero.		
5.2.1.16	last word		Why is zero in quotes?	Replace "zero" with 0x0.	

Table XYZ:

Byte	0	1	2	3	4	5	6	7
Generic Quantity	YY	YY	MM	DD	hh	mm	ss	terminator
Example	20	05	12	15	05	35	30	Z ASCII 0x5A
Binary Encoding	00010100	00000101	00001100	00001111	00000101	00100011	00011110	1011010

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