Information technology — Biometric data interchange formats —

Part 5:
Face image data

TECHNICAL CORRIGENDUM 3

Technologies de l'information — Formats d'échange de données biométriques —

Partie 5: Données d'image de la face

RECTIFICATIF TECHNIQUE 3

Technical Corrigendum 3 to ISO/IEC 19794-5:2005 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 37, *Biometrics*.

1.) Change last sentence of clause 5.4.2 from:

"The Version Number of ISO/IEC 19794-5:2004 shall be …"

To**:**

"The Version Number of ISO/IEC 19794-5:2005 shall be …"

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2.) Change Table 2 in clause 5.4.3 from:

Table 2 – The Facial Record Header

Field	Size	Valid values	Notes
Format Identifier	4 bytes	0x46414300 ('F' 'A' 'C' 0x0)	Indicates face image data
Version Number	4 bytes	0x30313000 ('0' '1' '0' 0x0)	"010" in ASCII
Length of Record	4 bytes	$46 < \text{Length of Record} \le 2^{32} - 1$	Includes Facial Record Header and Facial Record Data
Number of Facial Images	2 bytes	$1 \le \text{Number} \le 65535$	

To:

Table 2 – The Facial Record Header

Field	Size	Valid values	Notes
Format Identifier	4 bytes	0x46414300 ('F' 'A' 'C' 0x0)	Indicates face image data
Version Number	4 bytes	0x30313000 ('0' '1' '0' 0x0)	"010" in ASCII
Length of Record	4 bytes	$57 \le \text{Length of Record} \le 2^{32} - 1$	Includes Facial Record Header and Facial Record Data. The minimum length of 57 includes the smallest JPEG image
Number of Facial Images	2 bytes	$1 \le \text{Number} \le 65535$	

3.) Change 1st paragraph, first part of the last sentence of clause 5.5.6 from

"The lowest bit set to 0 shall indicate that properties are not specified;"
To:
"The lowest bit set to 0 shall indicate that properties are not specified (and all bits shall be zero);"

4.) Add as a second paragraph in clause 5.5.6 before Table 6

"All reserved bits shall be zero."

5.) Change in Table 6 from

"Reserved for future definition"
To:
"Reserved"

6.) Change Note in clause 5.5.6 from

"Note that a Blink flag set to "1" will indicate non-compliance with the Frontal, Full Frontal, and Token image types."
To:
"A Blink flag set to "1" shall indicate non-compliance with the Frontal, Full Frontal, and Token image types."

7.) Change in Table 7 from

"Reserved for future definition"
To:
"Reserved"

8.) Change in Table 7 from

"Reserved for vendor definition"

To:

"Vendor Specific"

9.) Change in 5.5.8.1 from

"The encoding B_Y of the yaw angle Y shall be in degrees as a byte (1 byte) with values from –180 to 180 modulo 2"

To:

"The encoded value, B_Y, shall be stored in 1 byte with values 0 to 180 computed from a real-valued yaw angle estimate, $-180 \leq Y < 180$, as follows:"

10.) Change in the next to last sentence of clause 5.5.8.1 from

"The maximum value of B_Y is 181."

To

"The maximum value of B_Y is 180."

11.) Change in 5.5.8.2 from

"The encoding B_P of the pitch angle P shall be in degrees as a byte (1 byte) with values from –180 to 180 modulo 2"

To:

The encoded value, B_P, shall be stored in 1 byte with values 0 to 180 computed from a real-valued pitch angle estimate, $-180 \leq P < 180$, as follows:

12.) Change in the next to last sentence of clause 5.5.8.2 from

"The maximum value of B_P is 181."

To

"The maximum value of B_P is 180."

13.) Change in 5.5.8.3 from

"The encoding B_R of the roll angle R shall be in degrees as a byte (1 byte) with values from –180 to 180 modulo 2"

To:

"The encoded value, B_R shall be stored in 1 byte with values 0 to 180 computed from a real-valued roll angle estimate, $-180 \leq R < 180$, as follows:"

14.) Change in the next to last sentence of clause 5.5.8.3 from

"The maximum value of B_R is 181."

To

"The maximum value of B_R is 180"

15.) Change in the last row of Table 8 from

"0x00"

To:

"0x0000"

16.) Change in the first sentence of clause 5.7 from

"The (16 byte)…"

To:

"The (12 byte)…"

17.) Add to the first paragraph of clause 5.7.6

"The values of 128-255 are vendor specific. Application developers may obtain the values for these codes from the vendor."

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