INTERNATIONAL STANDARD ISO/IEC 19794-5:2005
TECHNICAL CORRIGENDUM 3

Published 2013-06-15

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 < Length of Record ≤ 2^{32} - 1	Includes Facial Record Header and Facial Record Data
Number of Facial Images	2 bytes	1 ≤ Number ≤ 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 ≤ Length of Record ≤ 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 ≤ Number ≤ 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 ≤ 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 ≤ 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 ≤ 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."

18.) Change in the first sentence of clause 6.2 from

"One of two possible encodings is to be used for all image types (Basic)"
To:
"One of two possible encodings is to be used for all image types"