

ISO/IEC 29159-1:2010-09 (E)

Information technology - Biometric calibration, augmentation and fusion data - Part 1: Fusion information format

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Conformance	1
3	Normative references	1
4	Terms and definitions	1
5	Symbols and abbreviated terms	2
6	Fusion information format (FIF)	3
6.1	Overview	3
6.2	Byte ordering	4
6.3	Numeric values	4
6.4	Fusion header block	4
7	Common elements	8
7.1	General	8
7.2	Parameter kind	8
7.3	Parameter origin	9
7.4	Distributions present	9
7.5	Number of comparisons	9
7.6	Pre-normalization flag	9
8	Type 1 record	10
8.1	Purpose	10
8.2	Format	10
8.3	Use case (Informative)	11
9	Type 2 record	12
9.1	Purpose	12
9.2	Format	12
9.3	Use case (Informative)	13
10	Type 3 record	13
10.1	Purpose	13
10.2	Format	14
Annex A (informative) Document Overview		16
Annex B (informative) Example Cumulative Distribution Functions		18
Annex C (informative) Use of pre-normalized data		20
Annex D (informative) Source for evaluation of spline		22
Bibliography		23

Figures Figure 1 -- Schematic representation of fusion information format usage	vii
Figure B.1 -- Example CDFs and their spline representations	19
Figure C.1 -- Example CDFs of internal comparison scores and pre-normalized scores	20
Tables Table 1 -- Fusion information format record structure	3
Table 2 -- Fusion header block structure	3
Table 3 -- Type 1 record structure	3
Table 4 -- Type 2 record structure	4
Table 5 -- Type 3 record structure	4
Table 6 -- Textual representation of numerical value	4
Table 7 -- The fusion header block	5
Table 8 -- CBEFF Product Identifiers	6
Table 9 -- Database identifiers	6
Table 10 -- Database quality values	7
Table 11 -- Score sense codes	8
Table 12 -- Identifiers for statistical quantities	8
Table 13 -- Origins of statistical data	9
Table 14 -- Distribution information present	9
Table 15 -- Pre-normalization codes	10
Table 16 -- Subtype A format	10
Table 17 -- Type 1 record format	10
Table 18 -- Subtype B format	12
Table 19 -- Type 2 record format	12
Table 20 -- Subtype C format	14
Table 21 -- Type 3 record format	14
Table A.1 -- Fusion information format type taxonomy	16