

ISO/IEC 19794-1:2011-07 (E)

Information technology - Biometric data interchange formats - Part 1: Framework

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviated terms	8
5	General biometric system	8
5.1	Conceptual diagram of general biometric system	8
5.2	Conceptual components of a general biometric system	9
5.3	Functions of general biometric system	11
6	Usage context of biometric data interchange formats	13
7	General aspects of the usage of biometric data for interchange	13
7.1	Introduction	13
7.2	Natural variability	13
7.3	Aging and usage duration	13
7.4	Enrolment conditions	13
7.5	Feature extraction algorithms	13
7.6	Feature comparison algorithms	13
8	Processing level of data formats for interchange	14
8.2	Captured biometric sample	14
8.3	Image data	14
8.4	Behavioural data	15
8.5	Feature data	15
8.6	Naming conventions for biometric data formats	15
8.7	Recommendations for standardizing biometric data formats	15
9	Multibiometrics	16
10	Capture device requirements	16
11	Format owner and format types	16
11.1	Relationship to CBEFF	16
11.2	BDB format owner	17
11.3	BDB format types	17
12	Coding scheme for format types	18
12.1	Structure of data records	18
12.2	Common elements for the general header	18
12.3	Common elements for the representation headers	19
Annex A (informative)	Examples of comparison scenarios	25
Bibliography		27

