

ISO/IEC 19794-7:2021-10 (E)

Information technology - Biometric data interchange formats - Part 7: Signature/signature time series data

Contents		Page
Foreword		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Abbreviated terms	3
5	Conformance	4
6	Conventions	4
6.1	Coordinate system.....	4
6.2	Octet and bit order.....	5
6.3	Registered format type identifiers.....	5
7	Channels	5
7.1	General.....	5
7.2	Pen tip position channels: X, Y, Z.....	6
7.3	Pen tip velocity channels: VX, VY.....	6
7.4	Pen tip acceleration channels: AX, AY.....	6
7.5	Time channel: T.....	6
7.6	Time difference channel: DT.....	7
7.7	Pen tip force channel: F.....	7
7.8	Pen tip switch state channel: S.....	7
7.9	Pen orientation channels: TX, TY, A, E, R.....	7
8	Binary full format	8
8.1	Record organization.....	8
8.2	General header.....	11
8.2.1	Structure.....	11
8.2.2	Format identifier.....	11
8.2.3	Version number.....	11
8.2.4	Length of the data record.....	11
8.2.5	Number of representations.....	11
8.2.6	Certification flag.....	11
8.3	Record body.....	12
8.3.1	Structure.....	12
8.3.2	Representation header.....	12
8.3.3	Representation body.....	17
9	Binary compact format	17
9.1	Record organization.....	17
9.2	Comparison algorithm parameters template.....	18
9.2.1	Structure.....	18
9.2.2	Minimum and maximum number of sample points.....	18
9.2.3	Channel descriptions.....	19
9.3	Embedment in a CBEFF data structure.....	20
9.4	Record body.....	20
10	Binary compression format	20
10.1	Record organization.....	20
10.2	General header.....	21
10.3	Record body.....	21

10.3.1	Structure	21
10.3.2	Representation header	21
10.3.3	Representation body	24
11	XML encoding	25
Annex A	(normative) Conformance testing methodology	26
Annex B	(informative) Best practices — Data acquisition	71
Annex C	(informative) ASN.1 specification of the binary compact format	72
Annex D	(informative) Binary signature/sign encoding examples	75
Annex E	(normative) XML schema definition	77
Annex F	(informative) XML signature/sign encoding example	81
	Bibliography	84