

ISO/IEC 30108-1:2015-11 (E)

Information technology - Biometric Identity Assurance Services - Part 1: BIAS services

Contents		Page
Foreword		v
Introduction		vii
1	Scope	1
2	Conformance	1
3	Normative references	1
4	Terms and definitions	1
5	Symbols and abbreviated terms	3
6	System context	3
6.1	Service-oriented architectures	3
6.2	BIAS architecture	5
6.3	Identity models	6
6.4	Identity databases	8
6.5	BIAS implementation considerations (informative)	9
7	Biometric Identity Assurance Services	10
7.1	BIAS interface XML schema	10
7.2	Primitive services	11
7.2.1	Add Subject To Gallery	11
7.2.2	Check Quality	12
7.2.3	Classify Biometric Data	13
7.2.4	Create Encounter	13
7.2.5	Create Subject	14
7.2.6	Delete Biographic Data	14
7.2.7	Delete Biometric Data	15
7.2.8	Delete Document Data	15
7.2.9	Delete Encounter	16
7.2.10	Delete Subject	16
7.2.11	Delete Subject From Gallery	17
7.2.12	Get Identify Subject Results	17
7.2.13	Identify Subject	18
7.2.14	List Biographic Data	19
7.2.15	List Biometric Data	20
7.2.16	List Document Data	21
7.2.17	Perform Fusion	21
7.2.18	Query Capabilities	22
7.2.19	Retrieve Biographic Data	26
7.2.20	Retrieve Biometric Data	27
7.2.21	Retrieve Document Data	28
7.2.22	Set Biographic Data	29
7.2.23	Set Biometric Data	29
7.2.24	Set Document Data	30
7.2.25	Transform Biometric Data	31
7.2.26	Update Biographic Data	31
7.2.27	Update Biometric Data	32

7.2.28	Update Document Data	32
7.2.29	Verify subject	33
7.3	Aggregate Services	34
7.3.1	Delete	34
7.3.2	Enrol	35
7.3.3	Get Deletion Results	36
7.3.4	Get Enrol Results	36
7.3.5	Get Identify Results	37
7.3.6	Get Update Results	37
7.3.7	Get Verify Results	38
7.3.8	Identify	38
7.3.9	Retrieve Data	40
7.3.10	Update	40
7.3.11	Verify	41
8	Data elements and data types	42
8.1	Biographic data	42
8.1.1	Biographic Data Type	42
8.1.2	Biographic Data Item Type	43
8.1.3	Biographic Data Set Type	43
8.1.4	Biographic Data List Type	44
8.2	Biometric Data	44
8.2.1	CBEFF BIR Type	44
8.2.2	CBEFF BIR List Type	45
8.2.3	Biometric Data Element Type	46
8.2.4	Biometric Data List Type	46
8.3	Document Data	46
8.3.1	Document Data Type	46
8.3.2	Document Data List Type	47
8.4	Candidate Lists	48
8.4.1	Candidate Type	48
8.4.2	Candidate List Type	48
8.5	Capabilities	49
8.5.1	Capability Type	49
8.5.2	Capability List Type	49
8.6	Fusion Information	50
8.6.1	Fusion Information Type	50
8.6.2	Fusion Information List Type	50
8.6.3	Fusion Identity List Type	51
8.7	Other Data Types	51
8.7.1	Encounter Category Type	51
8.7.2	Encounter List Type	51
8.7.3	Information Type	52
8.7.4	List Filter Type	52
8.7.5	Option Type	52
8.7.6	Processing Options Type	53
8.7.7	Token Type	53
9	Errorhandlingandnotification	54
9.1	Successful service calls	54
9.2	Error condition codes	54
10	Security	56
Annex A (normative) Conformance requirements		57
Annex B (informative) Sample biographic data format references		66
Annex C (informative) Example usage scenarios		67
Annex D (informative) Example encounter scenarios		74
Bibliography		78