ISO/IEC 30108-1:2026-01 (E)

Biometrics - Identity attributes verification services - Part 1: IAVS services

Contents

Page

Foreword v

Introduction vi

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols and abbreviated terms 2

5 Conformance 3

6 System Context 3
6.1 Service-Oriented Architectures 3
6.2 IAVS architecture 4
6.3 Identity models 5
6.4 Identity databases 7
6.5 IAVS Implementation Considerations 8
6.6 Structure of this document 9

7 Identity Attributes Verification Services 9
7.1 General 9
7.2 IAVS Interface XML Schema 10
7.3 Primitive Services 11
7.3.1 AddSubjectToGallery 11
7.3.2 CheckQuality 11
7.3.3 ClassifyBiometricData 12
7.3.4 CreateEncounter 13
7.3.5 Create Subject 14
7.3.6 DeleteBiographicData 14
7.3.7 DeleteBiometricData 15
7.3.8 DeleteDocumentData 15
7.3.9 DeleteEncounter 16
7.3.10 DeleteSubject 16
7.3.11 DeleteSubjectFromGallery 17
7.3.12 GetIdentifySubjectResults 17
7.3.13 IdentifySubject 18
7.3.14 ListBiographicData 19
7.3.15 ListBiometricData 20
7.3.16 ListDocumentData 21
7.3.17 PerformFusion 21
7.3.18 QueryCapabilities 22
7.3.19 RetrieveBiographicData 23
7.3.20 RetrieveBiometricData 23
7.3.21 RetrieveDocumentData 24
7.3.22 SetBiographicData 25
7.3.23 SetBiometricData 26
7.3.24 SetDocumentData 26
7.3.25 TransformBiometricData 27
7.3.26 UpdateBiographicData 28

7.3.27 UpdateBiometricData 28
7.3.28 UpdateDocumentData 29
7.3.29 VerifySubject 30
7.4 Aggregated Services 31
7.4.1 Delete 31
7.4.2 Enrol 32
7.4.3 GetDeleteResults 33
7.4.4 GetEnrolResults 33
7.4.5 GetIdentifyResults 34
7.4.6 GetUpdateResults 34
7.4.7 GetVerifyResults 35
7.4.8 Identify 35
7.4.9 RetrieveData 37
7.4.10 Update 37
7.4.11 Verify 38

8 Data Elements and Data Types 39
8.1 Biographic Data 39
8.1.1 Biographic Data Type 39
8.1.2 Biographic Data Item Type 40
8.1.3 Biographic Data Set Type 40
8.1.4 Biographic Data List Type 41
8.2 Biometric Data 41
8.2.1 CBEFF BIR Type 41
8.2.2 CBEFF BIR List Type 42
8.2.3 Biometric Data Element Type 43
8.2.4 Biometric Data List Type 43
8.2.5 Candidate Lists 44
8.2.6 Candidate List Type 45
8.3 Capabilities 45
8.3.1 General 45
8.3.2 Capability Type 45
8.3.3 Capability List Type 50
8.4 Document Data 50
8.4.1 Document Data Type 50
8.4.2 Document Data List Type 51
8.5 Fusion Information 51
8.5.1 General 51
8.5.2 Fusion Information Type 51
8.5.3 Fusion Information List Type 52
8.6 Other Data Types 53
8.6.1 Encounter Category Type 53
8.6.2 Encounter List Type 53
8.6.3 Information Type 53
8.6.4 List Filter Type 54
8.6.5 Option Type 54
8.6.6 Processing Options Type 55
8.6.7 Token Type 55

9 Error Handling and Notification 56
9.1 Overview 56
9.2 Successful Service Calls 56
9.3 Error Condition Codes 56

10 Security 57

Annex A (normative) Conformance requirements 59

Annex B (informative) Sample biographic data format references 68

Annex C (informative) Example usage scenarios 69

Annex D (informative) Example Encounter Scenarios 76

Bibliography 79