

ISO/IEC 30106-1:2016-03 (E)

Information technology - Object oriented BioAPI - Part 1: Architecture

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and abbreviated terms	1
5	Object Oriented BioAPI architecture	2
5.1	Summary of BioAPI architecture	2
5.2	BioAPI compatibility requirements	4
5.3	Graphical User Interface (GUI)	4
5.4	Implementation guidelines	6
5.4.1	Basic concepts	6
5.4.2	BioAPI_Unit development	6
5.4.3	BFP development	6
5.4.4	BSP development	7
5.4.5	Framework and component registry	8
5.4.6	Application development	8
6	BioAPI CBEFF Patron Formats	8
6.1	General	8
6.2	Simple BIR	8
6.3	Complex BIR	14
6.3.1	Structure	14
6.3.2	Child BIR	14
6.3.3	Parent BIR	14
7	Constants	17
7.1	General	17
7.2	Biometric types	17
7.3	Biometric subtypes	17
7.4	Error codes	18
8	OO BioAPI UML structure	21
8.1	General	21
8.2	Relationships among data structures	22
8.2.1	Class BIR	22
8.2.2	Class UnitSchema	23
8.2.3	Class BFPSchema	24
8.2.4	Class BSPSchema	24
8.2.5	Class FrameworkSchema	25
8.3	BioAPI_Unit structures	25
8.3.1	IArchive	25
8.3.2	IComparison	26
8.3.3	IProcessing	26
8.3.4	ISensor	27
8.4	BFP Structure	27

8.5	BSP Structure	28
8.6	Framework structure	28
8.7	Application related structure	29