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Contents

Page

Foreword ..... **v**
Introduction ..... **vi**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 BioAPI C++ general requirements **1**
5 Data types and constants **2**
5.1 Basic data types 2
5.1.1 Enumerations 2
5.1.2 BioAPIData 10
5.1.3 RegistryID 10
5.1.4 UUID 10
5.1.5 Date and Time 10
5.2 Class ACBioParameters 11
5.2.1 Description 11
5.2.2 Properties summary 11
5.3 Class BFPListElement 11
5.3.1 Description 11
5.3.2 Properties summary 11
5.4 Class BFPSchema 11
5.4.1 Description 11
5.4.2 Properties summary 11
5.5 Class BIR 12
5.5.1 Description 12
5.5.2 Properties summary 12
5.5.3 Method summary 13
5.6 Class BSPSchema 14
5.6.1 Description 14
5.6.2 Properties summary 14
5.7 Class candidate 15
5.7.1 Description 15
5.7.2 Properties summary 15
5.8 Class FrameworkSchema 15
5.8.1 Description 15
5.8.2 Properties summary 15
5.9 Class GUIBitmap 16
5.9.1 Description 16
5.9.2 Properties 16
5.10 Class Identifypopulation 16
5.10.1 Description 16
5.10.2 Properties summary 16
5.10.3 Method summary 16
5.11 Class PopulationMember 17
5.11.1 Description 17
5.11.2 Properties summary 17
5.12 Class SecurityProfileType 17
5.12.1 Description 17
5.12.2 Properties summary 17
5.13 Class UnitList 18
5.13.1 Description 18
5.13.2 Properties summary 18
5.13.3 Methods summary 18

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5.14 Class UnitListElement ... 18
5.14.1 Description ... 18
5.14.2 Properties summary ... 18
5.15 Class UnitSchema ... 19
5.15.1 Description ... 19
5.15.2 Properties summary ... 19

6 Object oriented interfaces for supporting BioAPI_Units ... 19
6.1 General ... 19
6.2 Interface IArchive ... 20
6.2.1 Description ... 20
6.2.2 Method summary ... 20
6.3 Interface IComparison ... 23
6.3.1 Description ... 23
6.3.2 Method summary ... 24
6.4 Interface IProcessing ... 27
6.4.1 Description ... 27
6.4.2 Method summary ... 27
6.5 Interface ISensor ... 28
6.5.1 Description ... 28
6.5.2 Method summary ... 28

7 BFP level ... 29
7.1 Interface IBFP ... 29
7.1.1 Description ... 29
7.1.2 Imported interfaces ... 30
7.1.3 Properties summary ... 30
7.1.4 Events summary ... 30
7.1.5 Method summary ... 30

8 BSP level ... 33
8.1 Interface IBSP ... 33
8.1.1 Description ... 33
8.1.2 Imported interfaces ... 34
8.1.3 Properties summary ... 34
8.1.4 Events summary ... 34
8.1.5 Method summary ... 34

9 Framework level ... 41
9.1 Interface IComponentRegistry ... 41
9.1.1 Description ... 41
9.1.2 Method summary ... 41
9.2 Interface IFramework ... 43
9.2.1 Description ... 43
9.2.2 Inherited interfaces ... 43
9.2.3 Properties summary ... 43
9.2.4 Method summary ... 43

10 Application interaction ... 47
10.1 class BioAPIException : Exception ... 47
10.1.1 Description ... 47
10.1.2 Constructor summary ... 48
10.1.3 Properties summary ... 48
10.1.4 Method Summary ... 49
10.2 Callback functions ... 49
10.2.1 Description ... 49
10.2.2 Callback functions specification ... 49

Annex A (informative) **Calling sequence examples and sample code ... 56**

Bibliography ... 57

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

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Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

In this document an application programming interface expressed in C++ language is specified. C++ is a basic, general-purpose, object-oriented programming language that is used in most computer-based platforms and operating systems.

One of the advantages of using C++ is that, as it is supported by most computer platforms, the development, in source code, may be fully (or at least to a great part) supported from one platform to another.

C++ is a programming language standardized by ISO/IEC 14882, and most development platforms allow its use in conjunction to other programming languages and frameworks.

This document is drafted to make a clear and usable interpretation of ISO/IEC 30106-1, when using C++ programming language.

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Information technology — Object oriented BioAPI —

Part 4:
C++ implementation

1 Scope

This document specifies an interface of a BioAPI C++ framework and BioAPI C++ BSP which will mirror the corresponding components specified in ISO/IEC 30106-1. The semantic equivalence of this document will be maintained with ISO/IEC 30106-2 (Java implementation) and ISO/IEC 30106-3 (C# implementation). In spite of the differences in actual parameters passed between functions, the names and interface structure are the same.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 30106-1, *Information technology — Object oriented BioAPI — Architecture*

ISO/IEC 30106-2, *Information technology — Object oriented BioAPI — Part 2: Java implementation*

ISO/IEC 30106-3, *Information technology — Object oriented BioAPI — Part 3: C# implementation*

ISO/IEC 14882, *Programming languages — C++*

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