

### Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	BioAPI C++ general requirements
5	Data types and constants
5.1	Basic data types
5.1.1	Enumerations
5.1.2	BioAPIData
5.1.2.1	Description
5.1.2.2	C++ definition
5.1.3	RegistryID
5.1.3.1	Description
5.1.3.2	Properties summary
5.1.3.3	C++ definition
5.1.4	UUID
5.1.4.1	Description
5.1.4.2	C++ definition
5.1.5	Date and Time
5.2	Class ACBioParameters
5.2.1	Description
5.2.2	Properties summary
5.3	Class BFPListElement
5.3.1	Description
5.3.2	Properties summary
5.4	Class BFPSchema
5.4.1	Description
5.4.2	Properties summary
5.5	Class BIR
5.5.1	Description
5.5.2	Properties summary
5.5.3	Method summary
5.6	Class BSPSchema
5.6.1	Description
5.6.2	Properties summary
5.7	Class candidate
5.7.1	Description
5.7.2	Properties summary
5.8	Class FrameworkSchema
5.8.1	Description
5.8.2	Properties summary
5.9	Class GUIBitmap
5.9.1	Description
5.9.2	Properties
5.10	Class Identifypopulation
5.10.1	Description

- 5.10.2 Properties summary
- 5.10.3 Method summary
- 5.11 Class PopulationMember
  - 5.11.1 Description
  - 5.11.2 Properties summary
- 5.12 Class SecurityProfileType
  - 5.12.1 Description
  - 5.12.2 Properties summary
- 5.13 Class UnitList
  - 5.13.1 Description
  - 5.13.2 Properties summary
  - 5.13.3 Methods summary
- 5.14 Class UnitListElement
  - 5.14.1 Description
  - 5.14.2 Properties summary
- 5.15 Class UnitSchema
  - 5.15.1 Description
  - 5.15.2 Properties summary
- 6 Object oriented interfaces for supporting BioAPI\_Units
  - 6.1 General
  - 6.2 Interface IArchive
    - 6.2.1 Description
    - 6.2.2 Method summary
  - 6.3 Interface IComparison
    - 6.3.1 Description
    - 6.3.2 Method summary
  - 6.4 Interface IProcessing
    - 6.4.1 Description
    - 6.4.2 Method summary
  - 6.5 Interface ISensor
    - 6.5.1 Description
    - 6.5.2 Method summary
- 7 BFP level
  - 7.1 Interface IBFP
    - 7.1.1 Description
    - 7.1.2 Imported interfaces
    - 7.1.3 Properties summary
    - 7.1.4 Events summary
    - 7.1.5 Method summary
- 8 BSP level
  - 8.1 Interface IBSP
    - 8.1.1 Description
    - 8.1.2 Imported interfaces
    - 8.1.3 Properties summary
    - 8.1.4 Events summary
    - 8.1.5 Method summary
- 9 Framework level
  - 9.1 Interface IComponentRegistry
    - 9.1.1 Description
    - 9.1.2 Method summary
  - 9.2 Interface IFramework
    - 9.2.1 Description
    - 9.2.2 Inherited interfaces
    - 9.2.3 Properties summary
    - 9.2.4 Method summary
- 10 Application interaction
  - 10.1 class BioAPIException : Exception
    - 10.1.1 Description
    - 10.1.2 Constructor summary

- 10.1.3 Properties summary
- 10.1.4 Method Summary
- 10.2 Callback functions
- 10.2.1 Description
- 10.2.2 Callback functions specification

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

- A.1 Reference implementation
- A.2 API Architecture

**Page count: 57**