ISO/IEC 30106-3:2016-03 ()

Contents

Page

Foreword vi

Introduction vii

1 Scope 1

2 Normative references 1

3 BioAPI C# namespace structure 1
3.1 Overall structure 1
3.2 Namespace BioAPI 1
3.2.1 Namespace description 1
3.2.2 Structure 1
3.3 Namespace BioAPI.Data 2
3.3.1 Namespace description 2
3.3.2 Structure 2

4 Data types and constants 2
4.1 Class ACBioParameters 2
4.1.1 Description 2
4.1.2 Properties summary 2
4.2 Class BFPListElement 2
4.2.1 Description 2
4.2.2 Properties summary 2
4.3 Class BFPSchema [Serializable()] 3
4.3.1 Description 3
4.3.2 Properties summary 3
4.3.3 Method summary 3
4.4 Class BIR 3
4.4.1 Description 3
4.4.2 Properties summary 4
4.4.3 Method summary 5
4.5 Class BSPSchema [Serializable()] 5
4.5.1 Description 5
4.5.2 Properties summary 6
4.5.3 Method summary 7
4.6 Class Candidate 7
4.6.1 Description 7
4.6.2 Properties summary 7
4.7 Class DataTypes 7
4.7.1 Description 7
4.7.2 Enumerations 8
4.8 Class date 14
4.8.1 Description 14
4.8.2 Properties summary 15
4.8.3 Methods summary 15
4.9 Class FrameworkSchema 15
4.9.1 Description 15
4.9.2 Properties summary 15
4.9.3 Method summary 16
4.10 Class GUIBitmap 16
4.10.1 Description 16

4.10.2 Properties 16
4.10.3 Method summary 16
4.11 Class Identifypopulation 17
4.11.1 Description 17
4.11.2 Properties summary 17
4.11.3 Method summary 17

4.12 Class PopulationMember 17
4.12.1 Description 17
4.12.2 Properties summary 17
4.13 Class RegistryID 18
4.13.1 Description 18
4.13.2 Properties summary 18
4.14 Class SecurityProfileType 18
4.14.1 Description 18
4.14.2 Properties summary 18
4.14.3 Method summary 18
4.15 Class UnitList 19
4.15.1 Description 19
4.15.2 Properties summary 19
4.15.3 Methods summary 19
4.16 Class UnitListElement 19
4.16.1 Description 19
4.16.2 Properties summary 19
4.17 Class UnitSchema 19
4.17.1 Description 19
4.17.2 Properties summary 20
4.17.3 Method summary 20
4.18 Class UUID [Serializable()] 20
4.18.1 Description 20
4.18.2 Properties 21

5 Object-oriented interfaces for supporting BioAPI_Units 21
5.1 General 21
5.2 Interface IArchive 21
5.2.1 Description 21
5.2.2 Method summary 22
5.3 Interface IComparison 24
5.3.1 Description 24
5.3.2 Method summary 25
5.4 Interface IProcessing 27
5.4.1 Description 27
5.4.2 Method summary 28
5.5 Interface ISensor 29
5.5.1 Description 29
5.5.2 Method summary 29

6 BFP level 30
6.1 Interface IBFP 30
6.1.1 Description 30
6.1.2 Imported interfaces 30
6.1.3 Properties summary 30
6.1.4 Events summary 30
6.1.5 Method summary 31

7 BSP level 33
7.1 Interface IBSP 33
7.1.1 Description 33
7.1.2 Imported interfaces 33
7.1.3 Properties summary 33
7.1.4 Events summary 33
7.1.5 Method summary 33

8 Framework level 40
8.1 Interface IComponentRegistry 40
8.1.1 Description 40
8.1.2 Method summary 41
8.2 Interface IFramework 42
8.2.1 Description 42
8.2.2 Inherited interfaces 42
8.2.3 Properties summary 42
8.2.4 Method summary 43

9 Application interaction 47
9.1 Class BioAPIException: Exception 47
9.1.1 Description 47
9.1.2 Constructor summary 48
9.1.3 Properties summary 48
9.1.4 Method summary 49
9.2 Callback functions 49
9.2.1 Description 49
9.2.2 Callback functions specification 50

Annex A (informative) Calling sequence examples and sample code 55

Bibliography 56