
**Information technology — Object
oriented BioAPI —**

**Part 3:
C# implementation**

Technologies de l'information — Objet orienté BioAPI —

Partie 3: Mise en oeuvre de C#
iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO/IEC 30106-3:2016

<https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO/IEC 30106-3:2016](https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016)
<https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016>



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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

iTech STANDARD PREVIEW
(standards.itech.ai)

ISO/IEC 30106-3:2016
<https://standards.itech.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016>

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

iTeh STANDARD PREVIEW (standards.iteh.ai)

[ISO/IEC 30106-3:2016](https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016)

<https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016>

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. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/IEC JTC 1, *Information technology*, SC 37, *Biometrics*.

ISO/IEC 30106 consists of the following parts, under the general title *Information technology — Object-oriented BioAPI*:

- *Part 1: Architecture*
- *Part 2: Java implementation*
- *Part 3: C# implementation*

Introduction

In this part of ISO/IEC 30106, an application programming interface expressed in C# language is specified. C# is intended to be a simple, general-purpose, object-oriented programming language that is aimed at enabling programmers to quickly build a wide range of applications for the Microsoft .NET platform.

One of the advantages of using C# is that, as it is designed for the Common Language Infrastructure (CLI), it allows multiple high-level languages to be used on different computer platforms without being rewritten for specific architectures.

C# shares some features (overloading, some syntactic details, etc.) with C++ but includes new characteristics (reference and output parameters, enumerations, unified type system, etc.). Besides, C# is very similar to Java (interfaces, exceptions, object-orientation, etc.), which implies that the structure of interfaces and namespaces (which is the equivalent to packages in Java language) is mostly the same as Java but, as expected, code implementation and compilation are different.

As Java implementation allows an easy use of Java BSPs, Java-based application servers or Java applets, C# is the best way to write windows desktop and web applications/services and provides an advanced and well-designed remote framework.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[ISO/IEC 30106-3:2016](https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016)

<https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO/IEC 30106-3:2016](https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016)

<https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016>

Information technology — Object oriented BioAPI —

Part 3: C# implementation

1 Scope

This part of ISO/IEC 30106 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 part of ISO/IEC 30106 will be maintained with ISO/IEC 30106-2 (Java 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, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 — BioAPI for object oriented programming languages — Part 1: Architecture*

3 BioAPI C# namespace structure

ISO/IEC 30106-3:2016
<https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016>

3.1 Overall structure

The BioAPI C# interface will be divided into several namespaces. The following are the namespace structure:

- namespace BioAPI: contains functionality to manage units, BSPs, BFPs, the framework and applications;
- namespace BioAPI.Data: contains all the data structures.

3.2 Namespace BioAPI

3.2.1 Namespace description

This namespace contains all the components responsible for managing and executing the functionality of BioAPI. Component registry interface is also defined in this namespace.

3.2.2 Structure

The description of this namespace is given explaining a bottom-up structure. In [Clause 4](#), the interfaces needed to be implemented for each of the unit types are explained. It is important to note that such interfaces do not refer to an implemented class by itself, as the accessible class will be either the Biometric Service Provider (BSP) or the Biometric Function Provider (BFP), but the specifications in such clause are common to the methods and properties to be added to the implemented BSP and/or BFP classes.

This will be followed by the specification of the implementation of the BFP (Clause 5) and BSP (Clause 6) interfaces. These two interfaces provide the lower layer interoperability level, equivalent to the SPI and BFPI interfaces in ISO/IEC 19784-1.

The higher layer of interoperability level is provided by the specification of the framework (Clause 7, with the framework interface and the component registry) and the application interaction (Clause 8, with the specification of the exceptions and callback functions). This provides the equivalence to the API interface in ISO/IEC 19784-1.

3.3 Namespace BioAPI.Data

3.3.1 Namespace description

This namespace contains all data structures needed for the implementation of OO BioAPI.

3.3.2 Structure

Several data structures are provided to comply with the requirements of specifying this part of ISO/IEC 30106. All the BioAPI.Data namespace is specified in Clause 3, where all needed classes and enumerations are defined. This has to be complemented to the constants defined in ISO/IEC 30106-1.

4 Data types and constants

4.1 Class ACBioParameters

ITeH STANDARD PREVIEW
(standards.iteh.ai)

4.1.1 Description

Structure provides the information which is used to generate ACBio instances.

<https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016>

4.1.2 Properties summary

- int[] Challenge {get;}: Challenge from the validator of a biometric verification when ACBio is used. This value shall be sent to the field controlValue of type ACBioContentInformation in ACBio instances.
- int[] InitialBPUIOIndexOutput {get;}: The initial value of BPU IO index which is to be assigned to the output from the BioAPI unit, BFP or BSP when the ACBio instances are generated. The range between InitialBPUIOIndexOutput and SupremumBPUIOIndexOutput shall be divided into the number of BSP units and BFPs which are accepted by the BSP and assigned to the BSP units and BSPs.
- int[] SupremumBPUIOIndexOutput {get;}: The supremum of BPU IO indexes which are to be assigned to the output from the BioAPI unit, BFP or BSP when the ACBio instances are generated.

4.2 Class BFPListElement

4.2.1 Description

Identifies a BFP by category and UUID. A list is returned by a BSP when queried for the installed BFPs that it supports.

4.2.2 Properties summary

- UnitCategoryType UnitCategory {get; set;}: The category of the unit.
- UUID BFPID {get; set;}: The UUID assigned to the BFP.

4.3 Class BFPSchema [Serializable]

4.3.1 Description

Represents the record in the component registry that defines the properties of the BFP installed in the system. Is a serializable class.

4.3.2 Properties summary

- UUID BFPUUID {get;}: UUID of the BFP.
- UnitCategoryType BFPCategory {get;}: Category of the BFP identified by the BFPUUID.
- String BFPDescription {get;}: A NULL-terminated string containing a text description of the BFP.
- String Path {get;}: A pointer to a NULL-terminated string containing the path of the file containing the BFP executable code, including the filename. The path may be a URL. This string shall consist of ISO/IEC 10646 characters encoded in UTF-8 (see ISO/IEC 10646:2014, Annex D). When BFPSchema is used within a function call, the component that receives the call allocates the memory for the path schema element and the calling component frees the memory.
- String SpecVersion {get;}: Major/minor version number of the BioAPI specification to which the BFP was implemented.
- String ProductVersion {get;}: The version string of the BFP software.
- String Vendor {get;}: A NULL-terminated string containing the name of the BFP vendor.
- sbyte[] BFPProperty {get;}
- List<RegistryID> BFPSupportedFormats {get;}: A list of the data formats that are supported by the BFP (see 6.1). <https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016>
- List<BiometricType> FactorsMask {get;}: A list of the biometric types supported by the BFP (see 6.1).
- UUID FwPropertyID {get;}: UUID of the format of the following BFP property.
- byte[] FwProperty {get;}: Address and length of a memory buffer containing the BFP property. The format and content of the BFP property can either be specified by a vendor or can be specified in a related standard.

4.3.3 Method summary

4.3.3.1 virtual void Dispose ()	
Description:	Removes all the information in the current object, leaving it empty for a next use
Exception:	None

4.4 Class BIR

4.4.1 Description

This interface represents Biometric Information Records (BIRs). It supports ISO/IEC 19785 definitions, both for simple BIRs or for complex BIRs. The specification of the patron format that shall be used is given in ISO/IEC 30106-1.

4.4.2 Properties summary

NOTE The description of each of the properties can be found in ISO/IEC 19785-1.

- RegistryID SelfID {get; set;} (see [4.13](#))
- byte CBEFFVersion {get; set;}
- byte PatronHeaderVersion {get; set;}
- RegistryID BDBFormat {get; set;} (see [4.13](#))
- bool BDBEncryption {get; set;}
- bool BIRIntegrity {get; set;}
- BiometricType BDBBiometricType {get; set;} (see 4.7.2.2)
- BiometricSubtype BDBBiometricSubtype {get; set;} (see 4.7.2.1)
- RegistryID BDBCaptureDevice {get; set;} (see [4.13](#))
- RegistryID BDBFeatureExtractionAlg {get; set;} (see [4.13](#))
- RegistryID BDBComparisonAlg {get; set;} (see [4.13](#))
- RegistryID BDBCompresionAlg {get; set;} (see [4.13](#))
- RegistryID BDBPADTechnique {get; set;} (see [4.13](#))
- byte[] BDBChallengeResponse {get; set;}
- Date BDBCreationDate {get; set;} (see [4.8](#)) ISO/IEC 30106-3:2016
<https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016>
- byte[] BDBIndex {get; set;}
- ProcessedLevel BDBProcessedLevel {get; set;}
- RegistryID BDBProduct {get; set;} (see [4.13](#))
- Purpose BDBPurpose {get; set;}
- byte BDBQuality {get; set;}
- RegistryID BDBQualityAlg {get; set;} (see [4.13](#))
- List<Date> BDBValidityPeriod {get; set;} // 2 dates (see [4.8](#))
- Date BIRCreationDate {get; set;} (see [4.8](#))
- byte[] BIRCreator {get; set;}
- byte[] BIRIndex {get; set;}
- byte[] BIRPayload {get; set;}
- byte[] BIRPointer {get; set;}
- List<Date> BIRValidityPeriod {get; set;} // 2 dates (see [4.8](#))
- RegistryID SBFormat {get; set;} (see [4.13](#))
- byte[] BDBData {get; set;}
- byte[] SBData {get; set;}

iTeh STANDARD PREVIEW
(standards.iteh.ai)

4.4.3 Method summary

4.4.3.1 virtual BIR (byte[] record)	
Description:	Constructs the BIR data from a byte array coded as an ISO/IEC 19785 self-identifying record
Parameters:	<i>record</i> : The byte array containing the CBEFF record
Exception:	If the input parameters are invalid, the format is not supported or operation fails due to error. BioAPIException (see 9.1)

4.4.3.2 virtual BIR (RegistryID bDBFormat, bool bDBEncryption, bool bIRIntegrity, BiometricType bDBBiometricType, BiometricSubtype bDBBiometricSubtype, RegistryID bDBCaptureDevice, RegistryID bDBFeatureExtractionAlg, RegistryID bDBComparisonAlg, RegistryID bDBCompresionAlg, RegistryID bDBPADTechnique, byte[] bDBChallengeResponse, Date bDBCreationDate, byte[] bDBIndex, ProcessedLevel bDBProcessedLevel, RegistryID bDBProduct, Purpose bDBPurpose, byte bDBQuality, RegistryID bDBQualityAlg, List<Date> bDBValidityPeriod, Date bIRCreationDate, byte[] bIRCcreator, byte[] bIRIndex, byte[] bIRPayload, byte[] bIRPointer, List<Date> bIRValidityPeriod, RegistryID sBFormat, byte[] bDBData, byte[] sBData)	
Description:	Constructs the BIR data from its individual components
Parameters:	<i>Each of the properties in the BIR class</i>
Exception:	If the input parameters are invalid, the format is not supported or operation fails due to error. BioAPIException (see 9.1)

4.4.3.3 virtual public byte[] ToArray()	
Description:	Serializes a BIR record so as to provide it as a byte array representing the CBEFF information
Return value:	The byte array containing the CBEFF information
Exception:	If the input parameters are invalid, the format is not supported or operation fails due to error. BioAPIException (see 9.1)

4.4.3.4 virtual void Dispose ()	
Description:	Removes all the information in the current BIR, leaving it empty for a next use
Exception:	None

4.5 Class BSPSchema [Serializable()]

4.5.1 Description

Represents the record in the component registry that defines the properties of the BSP installed in the system. Is a serializable class.

4.5.2 Properties summary

- UUID BSPUUID {get;}
- String BSPDescription {get;}: A NULL-terminated string containing a text description of the BSP.
- String Path {get;}: A pointer to a NULL-terminated string containing the path of the file containing the BSP executable code, including the filename. The path may be a URL. This string shall consist of ISO/IEC 10646 characters encoded in UTF-8 (see ISO/IEC 10646, Annex D). When BioAPI_BSP_SCHEMA is used within a function call, the component that receives the call allocates the memory for the path schema element and the calling component frees the memory.
- String SpecVersion {get;}: Major/minor version number of the BioAPI specification to which the BSP was implemented.
- String ProductVersion {get;}: The version string of the BSP software.
- String Vendor {get;}: A NULL-terminated string containing the name of the BSP vendor.
- List<RegistryID> BSPSupportedFormats {get;}: A list of the data formats that are supported by the BSP (see 4.13).
- List<BiometricType> FactorsMask {get;}: A list of the biometric types supported by the BSP (see 4.7.2.2).
- List<BSPSchemaOperations> Operations {get;}: A list of the biometric operations supported by the BSP (see 4.7.2.4).
- List<BSPSchemaOptions> Options {get;}: A list of the biometric options supported by the BSP (see 4.7.2.5).
- int AdditionalDataPolicy {get;}: Threshold setting (maximum FMR value) used to determine when to release additionalData after successful verification.
- int MaxAdditionalDataSize {get;}: Maximum additionalData size (in bytes) that the BSP can accept.
- int DefaultVerifyTimeout {get;}: Default timeout value, in milliseconds, used by the BSP for Verify operations when no timeout is specified by the application.
- int DefaultIdentifyTimeout {get;}: Default timeout value, in milliseconds, used by the BSP for Identify and BioAPI_IdentifyMatch operations when no timeout is specified by the application.
- int DefaultCaptureTimeout {get;}: Default timeout value, in milliseconds, used by the BSP for Capture operations when no timeout is specified by the application.
- int DefaultEnrolTimeout {get;}: Default timeout value, in milliseconds, used by the BSP for Enrol operations when no timeout is specified by the application.
- int DefaultCalibrateTimeout {get;}: Default timeout value, in milliseconds, used by the BSP for sensor calibration operations when no timeout is specified by the application.
- int MaxBSPDbSize {get;}: Maximum size of a BSP-controlled BIR database. It applies only when a BSP is only capable of directly managing a single archive unit. A value of zero means that no information about the database size is being provided for one of the following three reasons: a) databases are not supported; b) it is capable of managing multiple units (either directly or through a BFP interface), each of which may have a different maximum size, and information about these units will be provided as part of the insert notification (part of Unit Schema); or c) one archive unit is supported, but the information is not given here; it will be provided in the insert notification.
- int MaxIdentify {get;}: Largest population supported by the identify function. Unlimited = 0xFFFFFFFF

iTeh STANDARD PREVIEW

(standards.iteh.ai)

ISO/IEC 30106-3:2016
<https://standards.iteh.ai/catalog/standards/sist/9d90fa5f-f712-4c80-866b-3884db3fb3ce/iso-iec-30106-3-2016>

- int MaxNumEnrollInstances {get;}: The maximum number of distinct instances that a BSP can create reference templates for in one enrol operation. This information can be useful to an application that uses the application-controlled GUI feature.
- byte[] HostingEndpointIRI {get;}: An IRI identifying the framework whose component registry contains a registration of the BSP. This parameter shall be ignored by frameworks conforming to this part of ISO/IEC 30106 and shall be set to NULL by an application. It is provided to support interworking standards, which may specify the use of identical BSPs present on multiple computers from within an application running on the same or a different computer.
- UUID BSPAccessUUID {get;}: A UUID, unique within the scope of an application, which the application may use to refer to the BSP as an alternative to the BSP product UUID. This parameter shall be ignored by frameworks conforming to this part of ISO/IEC 30106 and can be set to any UUID value by an application. It is provided to support interworking standards, which may specify the use of identical BSPs present on multiple computers from within an application running on the same or a different computer.

NOTE The “BSPAccess_UUID” and the “HostingendpointIRI” are part of the definition of the C type BioAPI_BSP_SCHEMA, but are not part of the BSP schema information stored in the component registry (see ISO/IEC 19784-1).

- List<RegistryID> BSPSupportedAlgorithms {get;}: Array of BioAPI_ALGORITHM_ID structures specifying the supported algorithms.
- List< UUID> BSPSupportedTransformOperations {get;}: Array of BioAPI_UUID structures specifying the transform operations supported within the BioAPI_Transform operation.

ITEH STANDARD PREVIEW

4.5.3 Method summary (standards.iteh.ai)

4.5.3.1 virtual void Dispose () ISO/IEC 30106-3:2016	
Description:	Removes all the information in the current object, leaving it empty for a next use
Exception:	None

4.6 Class Candidate

4.6.1 Description

Defines each of the resulting candidates from the Identify functionality.

4.6.2 Properties summary

- UUID Key {get; set;}: Defines the UUID of the candidate in the system (e.g. in the database).
- int FMRAchieved {get; set;}: States the FMR achieved by the candidate during the Identify process.

4.7 Class DataTypes

4.7.1 Description

This class defines the different data types that can be used throughout this part of ISO/IEC 30106. It embraces enumerations and constants. Values for the constants not defined in this part of ISO/IEC 30106 are defined in ISO/IEC 30106-1.