Implementation Guide

to the

Postsecondary Electronic Standards Council

XML Standard Format

for

Education Test Score Reporting

Version 1.0.0.1

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Introduction

This document is a guide to developers implementing software to process XML files based upon the Education Test Score Reporting standard. The standard was crafted by a team of professionals from testing organizations, student information system suppliers and Universities. The standard uses, where possible, elements that are common to other Postsecondary Electronic Standards Council (PESC) standards including those from test score report, financial aid, and admissions applications standards. This reuse allows developers to use common code for multiple XML documents and thus facilitates the creation of applications that can process admissions applications, test score reports and test scores with a single system.

Business Problem

The electronic transfer of test score information is currently accomplished between testing companies and educational institutions by means of proprietary file formats. This requires that the test score recipients develop software and processes for each different format they receive. In addition, the recipient also must combine the data from admissions applications, test score reports and test scores in order to obtain a comprehensive view of each candidate. This may be difficult since the labels used to describe common information may not be consistent. By providing a set of standard data elements with a common interpretation, an educational institution or a student information system software vendor may produce a comprehensive system that will significantly reduce manual intervention and allow automated merger and analysis of student data.

Roles and Responsibilities

Test Reporting Organization to Postsecondary Institution or State Agency

This is the standard scenario where a testing organization delivers scores to educational institutions for the purpose of admissions or placement.

The test reporting organization has the following responsibilities:

- Collect personal and survey data from the student
- Administer the test in a secure environment
- Score the test and assure its accuracy
- Determine which recipient is authorized to receive specific data from specific students. This is usually authorized by the student by indicating that they are interested in a particular school.
- Aggregate the information that will be transmitted to the recipient into the XML test score report
- Determine with the recipient how the data will be securely transferred
- Transmit the data using a secure connections or encrypted data
- Verify that the data was delivered

The test score recipient has the following responsibilities:

- Determine with the test reporter how the data will be transmitted
- Receive the data and notify the reporter that the data has been received
- Notify the test reporter if any data problems or anomalies
- Secure the data so that only those personnel that need to have access to data will be given the data
- Integrate the data with admission and test score report information to produce a complete candidate profile

Several of these transmission and security steps may be implemented by using the PESC XML Data Transport Standard (DTS) and a web service that can process data using the DTS standard.

Organization and Format

The schema is made up of four top level elements under the TestScoreReport element:

- TransmissionData
- Student
- NoteMessage
- UserDefinedExtensions

However, three of these elements are complex and branch to form other elements, which in turn branch out further. This Guide is organized so that each level of branching is documented in the order as follows:

Transmission Data Level I
- Sub-level IA
  - Sub-level IA1
    - Sub-level IA1a
    - Sub-level IA1b
    - Sub-level IA1c
  - Sub-level IA2
    - Sub-level IA2a
    - Sub-level IA2b
- Sub-level IB
  - Sub-level IB1
    - Sub-level IB1a

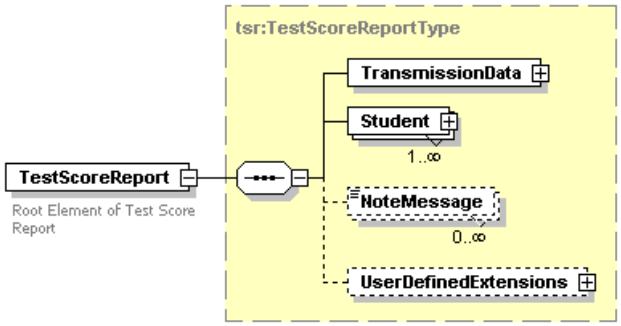
Student Data Level I

(And so on.)

The heading for each level and sub-level indicates the position of the subsequent diagram in the larger Schema.

Following the heading, the diagram serves to illustrate its relationship with the preceding branch. All diagrams in this Guide were copied from a graphical representation of the Test Score Reporting Schema using a software package from Altova Corporation.

Example:



The boxes in the diagrams can illustrate two separate components of the Schema: first, certain boxes show data element groupings (complex data elements) which branch out to form either lower-level element groupings, or the Schema's other primary component, the fields that contain actual data (simple data elements).

A box with a solid border indicates that that particular data element or field is required. A box with a dotted line indicates an optional data element or field.

Likewise, a solid line connecting two or more boxes indicates that the boxes to the right in the diagram are required fields and a dotted line indicates the fields in the boxes to the right are optional. A plus (+) sign at the right of a box indicates that the element grouping or field branches beyond the scope of a given diagram. The Schema displays such branching in subsequent diagrams.

Each diagram includes a representation of a field or data element's repeatability. Under a given box, for example, "0...∞" would indicate an optional data element or field (with a minimum number of occurrences of zero) that can be repeated an infinite number of times. On the other hand, "1...3" would indicate a mandatory field (with at least one required instance) that can be repeated up to 3 times.

Although most data elements that could theoretically be included an infinite number of times in the schema, would typically only be included once or perhaps a few times. Including a high number of occurrences of a field would present problems for the receiving agency or institution.

When creating the instance document (the actual score report for students), it is important that data elements are placed in the same order as they appear in the Schema. Optional data elements need not be included, but if they are, they also must be in the correct order.

Under each diagram, there will be a table with five columns:

Tag Name: This is the name of the data element grouping or field that will appear in the Schema and in the instance document. ("Instance document" refers to a score report with real data for an actual student that institutions would exchange.) The format for the tag name is Upper Camel Case which takes a name such as "Transmission Data" and eliminates the space between the two words, retaining the capital letters of each word making up the tag name.

Schema Use: This column indicates whether the data element or field is required or optional in the instance document. If a required field is not included in the instance document, the score report will normally be rejected by the receiving institution or agency's computer program (XML Parser). This column will also include a notation if a field can be sent multiple times.

Description: This is a brief description of the data included with a particular XML tag name. The description normally comes from the description in the Core Main Schema for data elements.

Recommended Use: This column reflects recommendations from the developers of the Test Score Reporting Schema, and generally recommended practices for exchanging electronic score reports. Reaching consensus on the recommended use of data elements and fields has grown into an additional task for the PESC Workgroup.

Recommendations in this column generally match the standards in Schema Use, especially if Schema Use shows an element or field as "Required." However, a component listed as "Optional" in Schema Use may be listed as "Recommended" in Recommended Use if the Workgroup regards the element or field as essential and in keeping with good practices in the AACRAO community.

Required: Indicates that a sending institution must include the data element or field in its transmission.

Recommended: If the information for a field is available at the sending agency, then 'Recommended' indicates that the field should be sent.

Conditional: This recommended use does not occur often in this Guide, but it may occur when the recommendation (recommended, optional or not recommended) is dependent on another data element being sent, or even on the value of another data element that is sent.

Optional: Indicates that it is generally up to the sender to include the data or not. If a paper score report normally includes the element or field, then the sender should probably include it. In addition, within certain states, items marked as "Optional" may be essential for intrastate exchanges. Finally, it may be the case that a destination school receives all data at a single location; in such a case, the sender may need to provide optional elements to identify the specific intended recipient.

Not Recommended: Indicates that, in the view of the Workgroup, such a data element or field should not form part of a transmission. In general, the Workgroup recommends that institutions or agencies not send notes or comments, since most Student Information System programs cannot automatically process them. Sending these elements could thereby slow or impede automatic processing by the receiving school or agency. However, exceptions to this rule-of-thumb may lie in the needs of individual states, as certain intrastate transmissions may require information that only a note or comment field can accommodate. In such cases, the Workgroup recommends that institutions in the state develop a protocol for maintaining and transmitting the element or field. In other cases, common practice may be to include data that is not recommended by the Workgroup.

In many cases, because of the reusability of complex data elements in XML, there are data elements included in this schema that may not be appropriate for use in an electronic score report. In these cases, the recommended use may be designated as "Not Recommended."

If a complex element is "Not Recommended", the elements at the next level will not be presented in this implementation guide but a reference will be provided so that element may be completed if necessary.

Format: This column shows the minimum and maximum number of occurrences of the data element. It also shows the minimum and maximum length allowable for a field, if that field does not have enumerated values and is not a special type of field, such a date field.

"**minOcc** 1" indicates a required field, since it must have at least one occurrence in the instance document. "minOcc 0" indicates an optional field.

"**maxOcc**" followed by a number or symbol specifies the maximum number of times that an element can recur in an instance document at a particular position. For example, "maxOcc 5" would indicate that the field may occur no more than 5 times in a given position of the instance document. "maxOcc ∞**"** indicates that a field may recur an unlimited number of times in the instance document. However, the use of an excessive number of occurrences puts a burden on the receiving agency or institution, so they should always be limited to the fewest number possible.

"**minLen**" indicates the minimum number of characters that a field must contain, while "**maxLen** indicates the maximum number of characters that a field may contain.

"**Enumeration**" is used to list the allowable values that may be used in the instance document. They must be used exactly as shown in this column. When the values are enumerated in this column, "minLen" and "maxLen" will not be indicated and are not appropriate.

"**DateTime**" always uses the same format: CCYY-mm-ddThh:ii:ss(+GMT). An example would be "2005-11-20T08:15:36(+7)". Likewise, "Date" always uses the format "CCYY-mm-dd". An example would be "2005-11-20". If either DateTime or Date is used, then "minLen" and "maxLen" will not be indicated.

"**xs:decimal**" indicates a numeric field. It has a maximum length of 18 characters including a decimal if is explicitly included. Typical values would be (1) a grade point average of "3.250"; (2) credits earned of "24"; or (3) credits included in GPA of "16".

"**minInclusive**" indicates the lowest value of a decimal type field that can be included, while "**maxInclusive**" indicates the maximum value that can be included in a decimal type field. "**totalDigits**" indicates the maximum number of digits that can be used in the specified field.

Comments: The Guide may include comments beneath the rows of a given table and/or at the end of the table. The Workgroup intends for these comments to provide further explanation for the items displayed.

Code Example: Below each table, the Guide includes a snippet of what that portion of an instance document might look like in XML format. If the data element is a required data element for the schema, then that data element will be in bold type.

If the code is illustrating a complex data element that will be further explained on a subsequent page, then only the opening and closing tags will be included. For example:

```
<Course>

</Course>
```

If the code is illustrating a simple data element that is not recommended for inclusion, then an empty tag will be included. For example:

```
<NoteMessage/>
```

Appendix K shows an example of an XML Schema for a score report. This example is not intended to match the Code Examples throughout the Guide, since a typical score report would not include many of the optional sections of the Schema.

NoteMessage: You will find "NoteMessage" appearing throughout the Schema. This Guide almost always recommends against the routine use of note messages. Unless there is an agreed upon format for a note message between the sender and the receiver, notes cannot be interpreted and automatically processed by the receiver's computer.

UserDefinedExtensions: The user-defined extension (UDE) design pattern is intended to address situations in which the current Schema does not accommodate sender-specific data. The Schema has to allow for additional elements that may be defined and used at a later date. The user-defined extensions pattern serves as a placeholder for these to-be-defined fields and elements. However, it can require that these fields be defined in a Schema by the organization that wants to use the extensions area.

Senders should take care not to use the user-defined extensions as a fall-back for doing appropriate research and design. They should only use the extension when in actuality, the organization defining the base Schema cannot define the additional elements that other organizations may need. Furthermore, other recipients not interested in the data these specific organizations want to exchange in the user-defined area, may then just ignore the UDE.

User-defined extensions are beneficial when both the sending and receiving institutions agree on their use. For best work practice, the Workgroup recommends the use of user-defined extensions in the following scope:

- Mutually defined sub-schemas: For the transmittal and receipt of data agreed upon by both sending and receiving institutions;
- State systems: In the California CSU system, this would the General Education requirements; For the University of California system, this would be the UC requirements;
- Regional requirements

The benefit of using the user-defined extensions stems primarily from the open nature of the XML design. Institutions may take advantage of XML's openness, use the user-defined extensions to accommodate data for which the original Schema has not accounted, and standardize the use of the extensions among themselves. Such institution-to-institution agreements allow for the following:

- Strict standardization among institutions through design and implementation agreements,
- Ability of users outside of the agreement to ignore the data contained in the user-defined extensions.

Because the Schema recommends that institutions develop their own agreements for the use of user-defined extensions, the Workgroup also recommends against the development of national standards.

Code Example:

```
<UserDefinedExtensions>
  <YearTerm>2007</YearTerm>
  <CourseAbbrev>ENG</CourseAbbrev>
  <CourseNumb>0114</CourseNumb>
  <SectNumb>02</SectNumb>
 </UserDefinedExtensions>
```

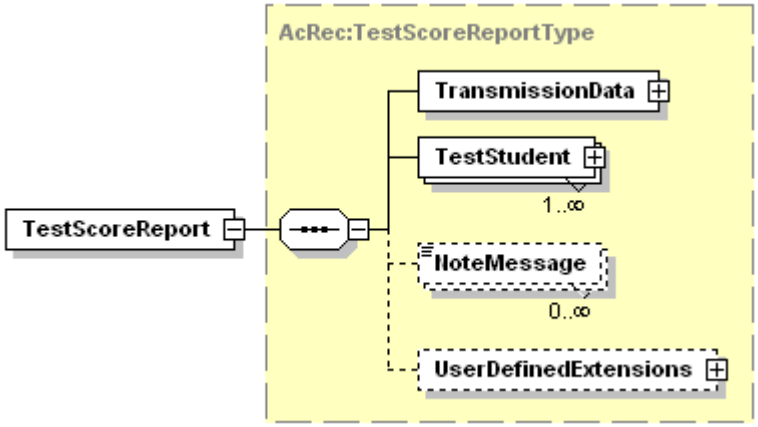
Please reference PESC Guidelines for XML Architecture and Data Modeling page 46 (http://www.pesc.org/info/policies/PESC-Guidelines-for-XML-Architecture-and-Data-Modeling-v3-0.doc) for a full explanation on the usage of user-defined extensions.

NOTE: The element **Student.AcademicRecord** is not defined in this document. You will need the supplemental guide, which can be found at http://www.pesc.org.

Development History and Acknowledgments

Date	Author(s)	Status	Change Description
02/2409	Michael D. Morris / Jill Mordick	Initial Release	First release of the document.
09/22/09	Michael D. Morris / Cindy Donner	Revision	Text and Diagrams updated per XML Schema. Current document reflects AcademicRecord:v1.6.0 and CoreMain:v1.7.0

XML Structure
TestScoreReport

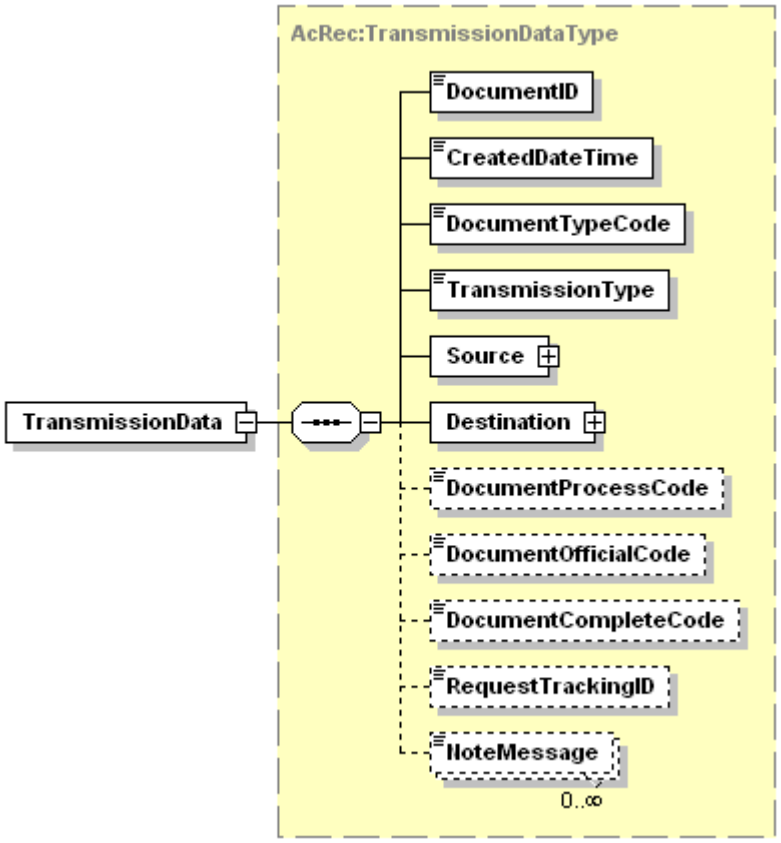


Tag Name	Schema Use	Description	Recommended Use	Format
TransmissionData	Required	Structure containing information about the sender, receiver and the type and purpose of the document.	Required	minOcc 1 maxOcc 1
TestStudent	Required	Structure containing all information that is transmitted for a particular student	Required	minOcc 1 maxOcc ∞
NoteMessage	Optional	Additional free text information	Not Recommended	minOcc 0 maxOcc ∞
UserDefineExtensions	Optional	Additional structured information	Not Recommended	minOcc 0 maxOcc 1

Code Example:

```
<tsr:TestScoreReport
XMLns:tsr="urn:org:pesc:message:TestScoreReport:v1.0.0"
XMLns:AcRec="urn:org:pesc:sector:AcademicRecord:v1.6.0"
XMLns:core="urn:org:pesc:core:CoreMain:v1.7.0"
XMLns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:org:pesc:message:TestScoreReportv1.0.0/TestScoreReport_v1.0.0.xsd">
    <TransmissionData>
        SubElements omitted to save space
    </TransmissionData>
    <Student>
        SubElements omitted to save space
    </Student>
</tsr:TestScoreReport>
```

TransmissionData



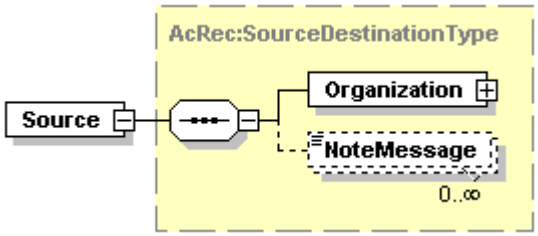
Tag Name	Schema Use	Description	Recommended Use	Format
DocumentID	Required	The File Transmission Date and Time stamp with additional unique qualifying characters	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 35
CreatedDateTime	Required	The Date and Time stamp when the document was created	Required	minOcc 1 maxOcc 1 xs:datetime CCYY-mm-ddThh:ii:ss{+-GMT]
DocumentTypeCode	Required	Type and purpose of document being transmitted	Required	minOcc 1 maxOcc 1 **Enumeration:** Change TermEnroll TermGrade StudentRequest RequestedRecord InstitutionRequest ThirdPartyRequest
	Comment: *"Change" would be an appropriate value if the test score report had previously been sent and this is a corrected or updated test score report. "Institution Request" would be appropriate if this test score report is being sent at the request of a postsecondary institution to which the student has applied for admission, has previously attended, or is currently attending. "Term Enroll" and "Term Grade" would not be typical values for this data element.*			

Tag Name	Schema Use	Description	Recommended Use	Format
TransmissionType	Required	The nature of the Transmission	Required	minOcc 1 maxOcc 1 **Enumeration:** Original Replace Duplicate Resubmission Reissue MutuallyDefined
Source	Required	This field is required and essential to indicate the source of the Test score report being sent. It is normally the testing agency.	Required	minOcc 1 maxOcc 1
Destination	Required	This field is mandatory and essential to indicate the destination or recipient of the test score report being sent.	Required	minOcc 1 maxOcc 1
DocumentProcessCode	Optional	This element indicates a TEST or PRODUCTION document	Required if "TEST"; "PRODUCTION" implied, not recommended	minOcc 0 maxOcc 1 **Enumeration:** TEST PRODUCTION
DocumentOfficialCode	Optional	This element indicates if the document is unofficial. Unofficial documents may be produced for reference purpose but may not be binding.	Required if Unofficial; "Official" implied, not recommended	minOcc 0 maxOcc 1 **Enumeration:** Official Unofficial
DocumentCompleteCode	Optional	This element indicates whether the document conveys a complete record. Partial documents may be produced for information that is recorded in multiple media or formats. A value of Partial generally means that the remainder will be sent in hard copy.	Required if not complete; "Complete" is implied, not recommended	minOcc 0 maxOcc 1 **Enumeration:** Partial Complete
RequestTrackingID	Optional	The unique ID associated with a request action that is returned to the requestor for document matching and tracking.	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 35
NoteMessage	Optional Repeatable	Additional information about transmission	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<TransmissionData>
    <DocumentID>2316139</DocumentID>
    <CreatedDateTime>2004-04-04T09:30:47-05:00</CreatedDateTime>
    <DocumentTypeCode>RequestedRecord</DocumentTypeCode>
    <TransmissionType>Original</TransmissionType>
    <Source>
        SubElement omitted.
    </Source>
    <Destination>
        SubElement omitted.
    </Destination>
    <DocumentProcessCode/>
    <DocumentOfficialCode/>
    <DocumentCompleteCode/>
    <RequestTrackingID/>
    <NoteMessage/>
</TransmissionData>
```

TransmissionData.Source



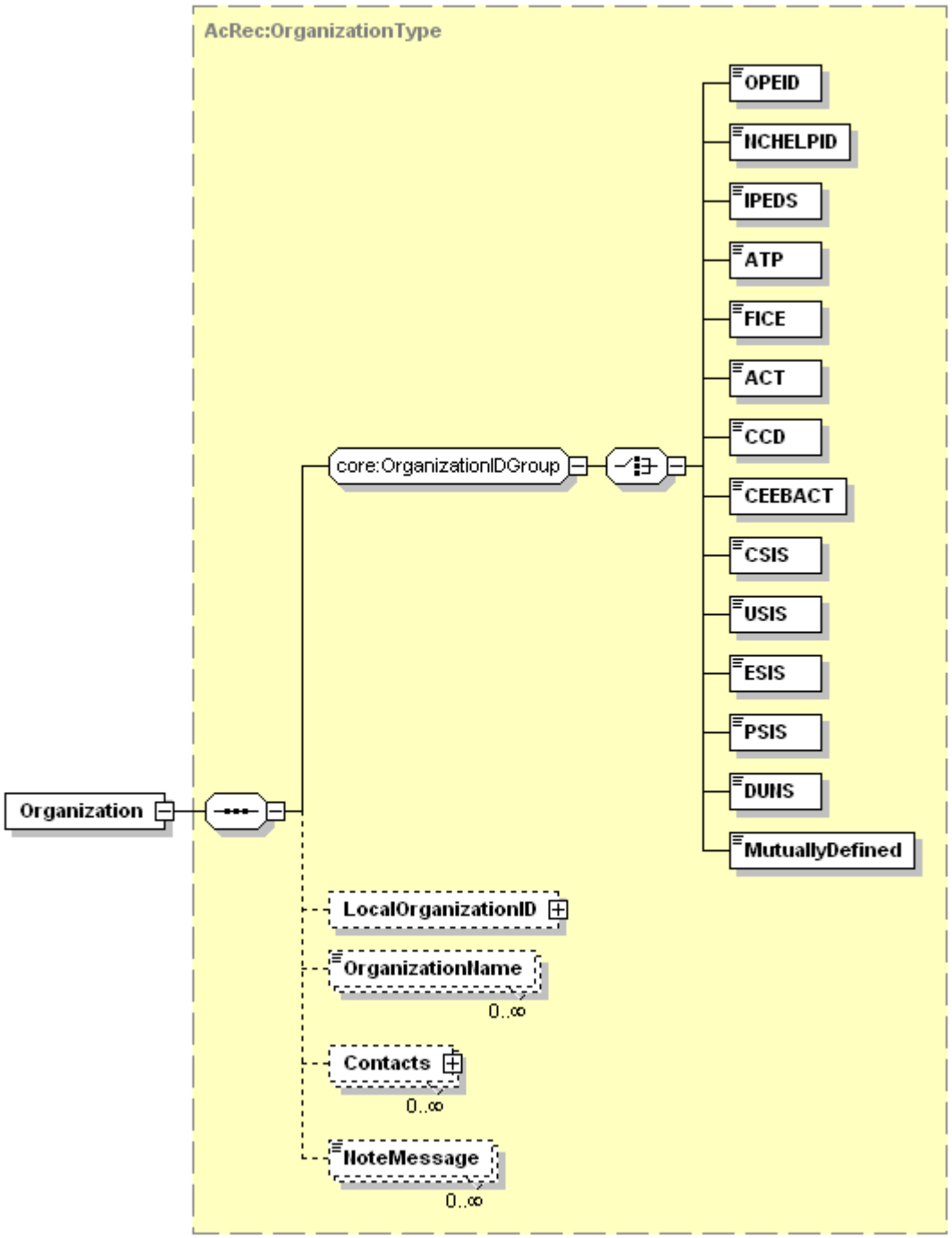
Tag Name	Schema Use	Description	Recommended Use	Format
Organization	Required	Non-person entity such as Organization, Institution, Agency or Business.	Required	minOcc 1 maxOcc 1
NoteMessage	Optional Repeatable	Additional information about Organization	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Source>
    <Organization>
        SubElement omitted.
    </Organization>
    <NoteMessage/>
</Source>
```

TransmissionData.Source.Organization

Note: in the October 2007 release of the PESC standards, a thirteenth code set, "MutuallyDefined" was added to define organizations.



Tag Name	Schema Use	Description	Recommended Use	Format

Tag Name	Schema Use	Description	Recommended Use	Format
[OrganizationIDGroup]	Required	Allowable Organization IDs - Exclusive choice	Required	minOcc 1 maxOcc 1
	Comment: *[OrganizationIDGroup] is not an XML tag and does not appear in an instance document. It requires the choice of one and only one of the following code set tags to identify the institution/organization.*			
OPEID	Required choice	The unique identifier assigned by the Office of Postsecondary Education for each data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 3 maxLen 8
	Comment: *Normally, the OPEID would not be an appropriate choice in this case.*			
NCHELPID	Required choice	The unique identifier assigned by National Council on Higher Education Loan Programs for each data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 3 maxLen 8
	Comment: *Normally, the NCHELPID would not be an appropriate choice to define the sending testing agency in this case.*			
IPEDS	Required choice	The unique identifier for Integrated Postsecondary Education Data System assigned by the National Center for Education Statistics for each postsecondary data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *Normally, the IPEDS would not be an appropriate choice to define the sending testing agency in this case.*			
ATP	Required choice	The unique identifier for the Admissions Testing Program assigned by the College Board for each data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment:*. Since ATP codes are normally issued only to postsecondary institutions, the use of this code to identify the sending testing agency is not recommended.*			
FICE	Required choice	The unique identifier once maintained for the Federal Interagency Committee on Education by the National Center for Education Statistics for each postsecondary data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *Although the FICE code set is still widely used by many postsecondary institutions, it has not been maintained by NCES or anyone else since late in the last century. Therefore, codes for new institutions created since then, have been locally assigned and cannot be relied upon. Since FICE codes were normally issued only to postsecondary institutions, the use of this code to identify a sending testing agency is not recommended.*			
ACT	Required choice	The unique identifier for postsecondary educational institutions assigned by American College Testing available at www.act.org	Not Recommended	minOcc 0 maxOcc 1 minLen 4 maxLen 4
	Comment: *Since ACT codes are normally issued only to postsecondary institutions, the use of this code to identify a sending testing agency is not recommended.*			
CCD	Required choice	The unique identifier assigned by National Center for Education Statistics as the Common Core of Data for each data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 12 maxLen 12
	Comment: *The CCD Is not a recommended choice to identify a sending testing agency.*			
CEEBACT	Required choice	The unique identifier assigned by the College Entrance Examining Board and ACT for each K-12 data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *The CEEBACT code set is not a preferred choice to identify a sending testing agency.*			

Tag Name	Schema Use	Description	Recommended Use	Format
CSIS	Required choice	The unique identifier assigned by the Statistics Canada Canadian College Student Information System for each postsecondary data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *Since this code set is used to identify postsecondary schools in Canada, it is not a recommended choice.*			
USIS	Required choice	The unique identifier assigned by the Statistics Canada University Student Information System for each data postsecondary exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *Since this code set is used to identify postsecondary schools in Canada, it is not a recommended choice.*			
ESIS	Required choice	The unique identifier assigned by the Statistics Canada Enhanced Student Information System for each data postsecondary exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 8 maxLen 8
	Comment: *The ESIS number would not be a normal choice to identify the sending testing agency.*			
PSIS	Required choice	A seven digit Canadian code that identifies primary and secondary educational institutons	Not Recommended	minOcc 0 maxOcc 1 minLen 7 maxLen 7
	Comment: *This may be used if the code is not available in one of the other code sets such as CEEB.*			
DUNS	Required choice	Data Universal Numbering System (DUNS), unique nine character company identification number issued by Dun and Bradstreet Corporation.	Recommended	minOcc 0 maxOcc 1 minLen 9 maxLen 9
	Comment: *The DUNS number would be an appropriate choice to identify the sending testing agency.*			
MutuallyDefined	Optional		Optional	minLen 1 maxLen 80
	Comment: *End of OrganizationIDGroup choice set tags*			
LocalOrganizationID	Optional	A code set typically used by a state, province or region to further identify the sending school.	Optional	minOcc 0 maxOcc 1
OrganizationName	Optional Repeatable	Name of Non-person entity such as Organization, Institution, Agency or Business.	Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 60
	Comment: *This is the name of the sending high school.*			
Contacts	Optional Repeatable	To identify a person or an office at the sending testing agency to which administrative communications should be directed	Recommended	minOcc 0 maxOcc ∞
NoteMessage	Optional Repeatable	Additional information about the organization	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

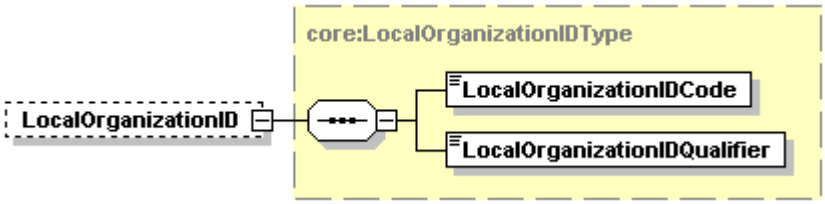
Code Example:

```
<Organization>
   <DUNS>999440320</DUNS>
   <LocalOrganizationID>
      SubElement omitted
   </LocalOrganizationID>
   <OrganizationName>Austin Test Institute</OrganizationName>
   <Contacts>
```

```
        SubElement omitted
    </Contacts>
    <NoteMessage/>
</Organization>
```

TransmissionData.Source.Organization.LocalOrganizationID

Note: Although the complex data element LocalOrganizationID is an optional data element, if you choose to send LocalOrganizationID, then you must also send both LocalOrganizationIDCode and also LocalOrganizationIDQualifier.

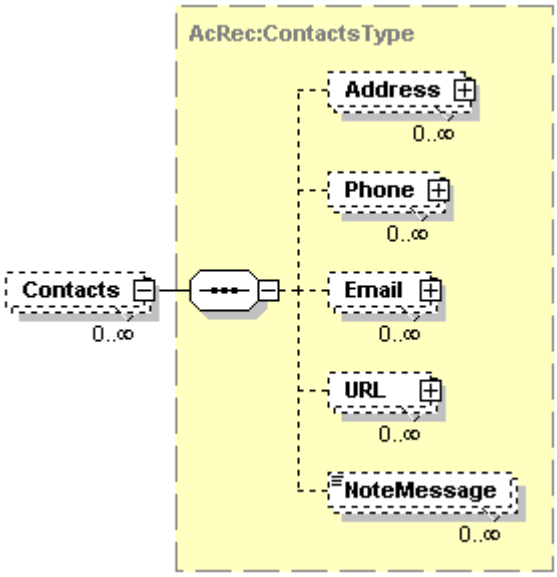


Tag Name	Schema Use	Description	Recommended Use	Format
LocalOrganizationIDCode	Required	The code assigned for the sending school by the state, province or other mutually defined agency specified in the LocalIDQualifier that follows.	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 35
	Comment: *This is a required data element only if the Local Organization ID complex data element is sent. This is typically the administrative school code assigned by a state or province to specifically identify the sending school in that state. If it is not assigned by a state or province, then code ZZ should be used in the Local ID Qualifier that follows.*			
LocalOrganizationIDQualifier	Required	This is the state, province or other mutually definded agency that assigned the Local D Code above.	Required	minOcc 1 maxOcc 1 **Enumeration:** See Appendix A
	Comment: *This is a required data element only if the Local Organization ID data element is sent. This is typically the state or province that assigned the code to specifically identify the sending school in that state. If it is not assigned by a state or province, then code ZZ should be used in this data element.*			

Code Example:

```
<LocalOrganizationID>
    <LocalOrganizationIDCode>2237901002</LocalOrganizationIDCode>
    <LocalOrganizationIDQualifier>TX</LocalOrganizationIDQualifier>
</LocalOrganizationID>
```

TransmissionData.Source.Organization.Contacts



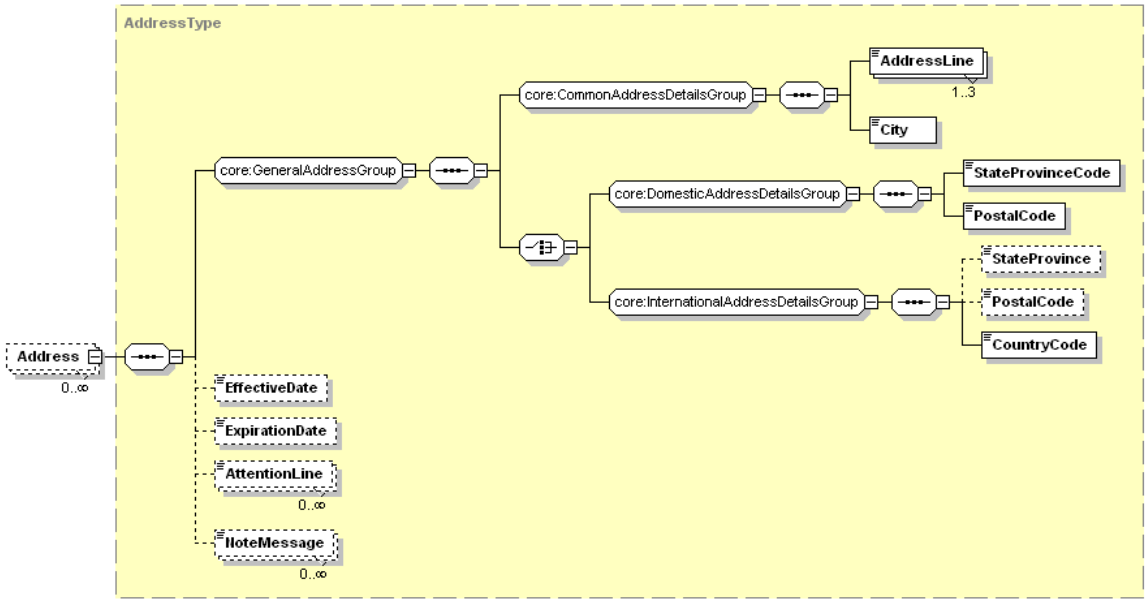
Tag Name	Schema Use	Description	Recommended Use	Format
Address	Optional Repeatable	This is a combined Address Group for a choice between Domestic or International	Optional	minOcc o maxOcc ∞
Phone	Optional Repeatable	Phone number of source testing agency contact	Recommended	minOcc o maxOcc ∞
Email	Optional Repeatable	Email address of source testing agency contact	Recommended	minOcc o maxOcc ∞
URL	Optional Repeatable	The Uniform Resource Locator of source testing agency	Optional	minOcc o maxOcc ∞
NoteMessage	Optional Repeatable	Additional information about the contacts at the source testing agency	Not recommended	minOcc o maxOcc ∞ minLen 1 maxLen 80
Comment: *This is contact information included by the sending testing agency to indicate the preferred means for the receiving school or agency to contact the sender in case there is a need for further communication. This is the only place in the instance document to include the name, address and contact information about the source that is sending the test score report.*				

Code Example:

```
<Contacts>
    <Address>
        SubElement omitted
    </Address>
    <Phone>
        SubElement omitted
    </Phone>
    <Email>
        SubElement omitted
    </Email>
    <URL>
        SubElement omitted
    </URL>
    <NoteMessage/>
</Contacts>
```

TransmissionData.Source.Organization.Contacts.Address

Note: Although the complex data element Address is an optional data element, if you choose to send the Address of Contacts at the Source, then you must send AddressLine and City and also StateProvinceCode, and PostalCode OR CountryCode.



Tag Name	Schema Use	Description	Recommended Use	Format
GeneralAddressGroup	Required	This Address Group is for items common to all Addresses	Required	minOcc 1 maxOcc 1
	Comment: *[GeneralAddressGroup] does not appear in the instance document. It requires the use of CommonAddressDetailsGroup and the choice of one of either DomesticAddressDetailsGroup or InternationalAddressDetailsGroup. This group is required in the schema only if you choose to send the address of the contact.*			
CommonAddressDetailsGroup	Required	This Address Group is for items common to all Addresses	Required	minOcc 1 maxOcc 1
	Comment: *[CommonAddressDetailsGroup] does not appear in the instance document. If the address of a contact is included In the test score report, then this must be sent. It is required and must be paired with one of either DomesticAddressDetailsGroup or InternationalAddressDetailsGroup.*			
AddressLine	Required Repeatable	Local delivery information such as street, building number, PO box, or apartment portion of a postal address of a Contact at the Sending Source	Required	minOcc 1 maxOcc 3 minLen 1 maxLen 40
City	Required	The city portion of the Address of a Contact at the Sending Source	Required	minOcc 1 maxOcc 1 minLen 2 maxLen 30
DomesticAddressDetailsGroup	Required choice	This Address Group is for items specific for US and Canadian Addresses	Required for domestic addresses	minOcc 1 maxOcc 1
	Comment: *[*DomesticAddressDetailsGroup*] does not appear in the instance document. If the complex data element address has a United States or Canadian Postal Code and a US State or Canadian Province Code, then this should be the required choice.*			

Tag Name	Schema Use	Description	Recommended Use	Format
StateProvinceCode	Required	Code for US states, etc., and Canadian provinces.	Required	minOcc 1 maxOcc 1 **Enumeration:** See Appendix A
PostalCode	Required	The postal code portion of the Address.	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 17
InternationalAddressDetailsGroup	Required choice	This Address Group is for items specific for International Addresses	Required for international addresses	minOcc 1 maxOcc 1
	***Comment:** [*InternationalAddressDetailsGroup*] does not appear in the instance document. This choice is for addresses that do not have a US or Canadian postal code.*			
StateProvince	Optional	The literal name of the state, province or territory of a postal address of the source of this document. Use for addresses outside US or Canada.	Recommended Refer to common postal practices of the source country	minOcc 0 maxOcc 1 minLen 2 maxLen 30
	Comment: For an internet resource of states or other geographical subdivisions in countries other than the US and Canada, you might choose to refer to the website of the Universal Postal Union at http://www.upu.int			
PostalCode	Optional	The postal code portion of the Address.	Recommended Refer to common postal practices of the source country	minOcc 0 maxOcc 1 minLen 1 maxLen 17
	Comment: For an internet resource of states or other geographical subdivisions in countries other than the US and Canada, you might choose to refer to the website of the Universal Postal Union at http://www.upu.int			
Effective Date	Optional	Date on which the address became (or will become) effective	Optional	minOcc 0 maxOcc 1 **Format:** CCYY
Expiration Date	Optional	Date on which the address expired (or will expire)	Optional	minOcc 0 maxOcc 1 **Format:** CCYY
CountryCode	Required	Code indicating Country. Use ISO 3166-1 alpha-2 standard.	Required	minOcc 1 maxOcc 1 **Enumerations:** See Appendix B
AttentionLine	Optional	The individual or office name within the postal address where inquiries should be directed.	Optional	minOcc 1 maxOcc ∞ minLen 1 maxLen 45
	Comment: This might be used to indicate where questions about the record should be sent			
NoteMessage	Optional Repeatable	Additional information about the addresses of the contacts at the source school	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example (domestic address):

```
<Address>
    <AddressLine>1715 W Cesar Chavez</AddressLine>
    <City>Austin</City>
    <StateProvinceCode>TX</StateProvinceCode>
    <PostalCode>78703</PostalCode>
    <AttentionLine>Jane Doe</AttentionLine>
    <AttentionLine>Testing Coordinator</AttentionLine>
    <NoteMessage/>
```

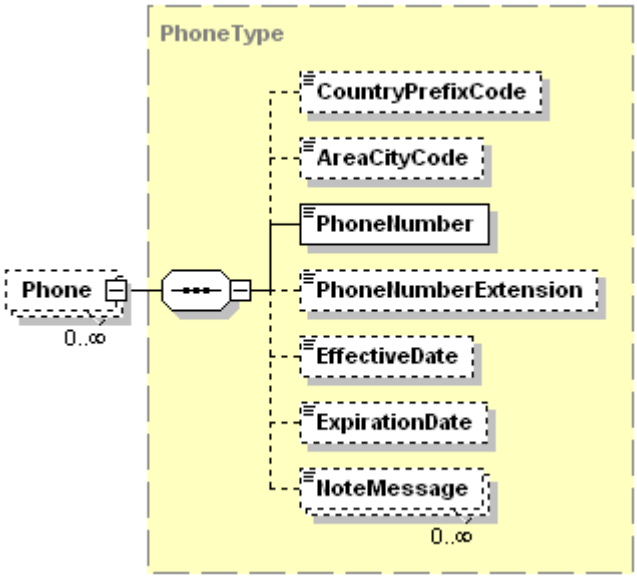
```
    </Address>
```

Code Example (international address):

```
    <Address>
        <AddressLine>Altova Corporation</AddressLine>
        <AddressLine>Rudolfsplatz 13a/9</AddressLine>
        <City>Wien</City>
        <StateProvince/>
        <PostalCode>A-1010</PostalCode>
        <CountryCode>AT</CountryCode>
    </Address>
```

TransmissionData.Source.Organization.Contacts.Phone

Note: Although the complex data element Phone is an optional data element, if you choose to send the Phone of a Contact at the Sending Agency, then you must send a phone number.



Tag Name	Schema Use	Description	Recommended Use	Format
CountryPrefixCode	Optional	International dialing code	Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 3
AreaCityCode	Optional	Regional dialing code	Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 5
PhoneNumber	Required	Telephone number	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 11
	Comment: The phone number will typically be sent as a string of numbers with no spaces, periods or dashes.			
PhoneNumberExtension	Optional	The extended telephone addressing information used in addition to phone number such as a PBX extension, a pager PIN, or FAX sub-address	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 5
Effective Date	Optional	Date on which the address became (or will become) effective	Optional	minOcc 0 maxOcc 1 **Format:** CCYY
Expiration Date	Optional	Date on which the address expired (or will expire)	Optional	minOcc 0 maxOcc 1 **Format:** CCYY
NoteMessage	Optional Repeatable	Additional information about the phone number of the contact at the source institution	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

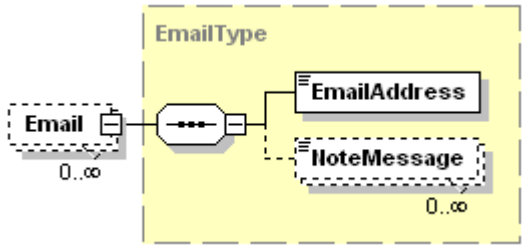
Code Example:

```
<Phone>
```

```
        <CountryPrefixCode/>
        <AreaCityCode>512</AreaCityCode>
        <PhoneNumber>4142505</PhoneNumber>
        <PhoneNumberExtension/>
    </Phone>
```

TransmissionData.Source.Organization.Contacts.Email

Note: Although the complex data element Email is an optional data element, if you choose to send the Email of a Contact at the Sending Agency, then you must send the data element EmailAddress.



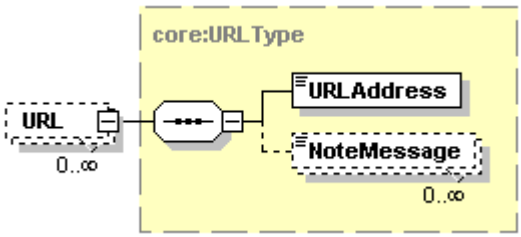
Tag Name	Schema Use	Description	Recommended Use	Format
EmailAddress	Required	The numbers, letters, and symbols used to identify an electronic mail (Email) user within a network.	Required	minOcc 1 maxOc 1 minLen 1 maxLen 128
NoteMessage	Optional Repeatable	Additional information about the email address of the contact at the source.	Not recommended	minOcc 0 maxOc ∞ minLen 1 maxLen 80

Code Example:

```
<Email>
    <EmailAddress>registration@austintestinstitute.net</EmailAddress>
    <NoteMessage/>
</Email>
```

TransmissionData.Source.Organization.Contacts.URL

Note: Although the complex data element URL is an optional data element, if you choose to send the URL of the Source, then you must send the URLAddress.

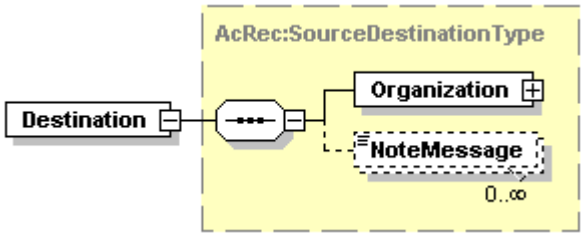


Tag Name	Schema Use	Description	Recommended Use	Format
URLAddress	Required	The Uniform Resource Locator (URL) address of the sending agency or of a contact at that agency	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 512
NoteMessage	Optional Repeatable	Additional information about the URL address of the source.	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<URL>
    <URLAddress>www.act.org</URLAddress>
    <NoteMessage/>
</URL>
```

TransmissionData.Destination



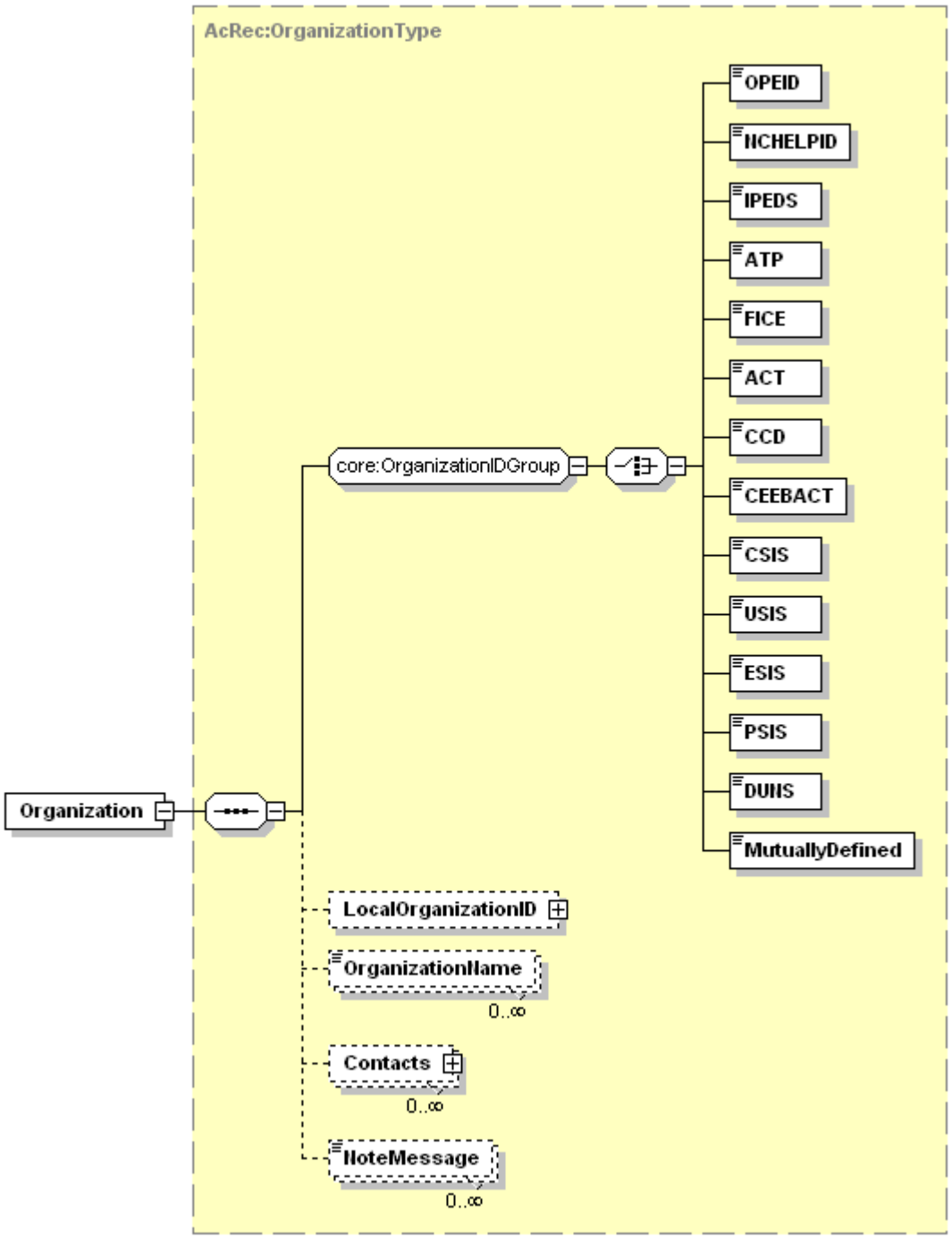
Tag Name	Schema Use	Description	Recommended Use	Format
Organization	Required	Non-person entity such as Organization, Institution, Agency or Business.	Required	minOcc 1 maxOcc 1
NoteMessage	Optional Repeatable	Additional information about destination organization or school.	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80
Comment: *This is the agency or school to which this applicant's test score report is being sent.*				

Code Example:

```
<Destination>
    <Organization>
        SubElements omitted to save space.
    </Organization>
    <NoteMessage/>
</Destination>
```

TransmissionData.Destination.Organization

Note: in the October 2007 release of the PESC standards, a thirteenth code set, "MutuallyDefined" was added to define organizations.



Tag Name	Schema Use	Description	Recommended Use	Format
[OrganizationIDGroup]	Required	Allowable Organization IDs - Exclusive choice	Required	minOcc 1 maxOcc 1

Tag Name	Schema Use	Description	Recommended Use	Format
	Comment: *[OrganizationIDGroup] is not a tag and does not appear in the instance document. It requires the choice of one and only one of the following code set tags to identify the institution/organization.*			
OPEID	Required choice	The unique identifier assigned by the Office of Postsecondary Education for each data exchange partner.	Required choice Recommended	minOcc 0 maxOcc 1 minLen 3 maxLen 8
	Comment: *The OPEID would be an appropriate choice if this test score report is being sent to a postsecondary institution and OPEID is known.*			
NCHELPID	Required choice	The unique identifier assigned by National Council on Higher Education Loan Programs for each data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 3 maxLen 8
	Comment: *The NCHELPID would not be an appropriate choice in this case since test score reports are not normally sent to the financial aid world.*			
IPEDS	Required choice	The unique identifier for Integrated Postsecondary Education Data System assigned by the National Center for Education Statistics for postsecondary data exchange partners	Required choice Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment:*The IPEDS would be an appropriate choice if this test score report is being sent to a postsecondary institution and the IPEDS number for that institution is known.*			
ATP	Required choice	The unique identifier for the Admissions Testing Program assigned by the College Board for each data exchange partner.	Required choice Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *The ATP would be an appropriate choice if this test score report is being sent to a postsecondary institution and the ATP number for that institution is known.*			
FICE	Required choice	The unique identifier once maintained for the Federal Interagency Committee on Education by the National Center for Education Statistics for each postsecondary data exchange partner.	Required choice Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *Although the FICE code set is still widely used by many postsecondary institutions, it has not been maintained by NCES or anyone else since late in the last century. Therefore, codes for new institutions created since then, have been locally assigned and cannot be relied upon. However, if you do know the actual FICE code for the postsecondary institution to which this test score report is being sent, this is a recommended choice.*			
ACT	Required choice	The unique identifier for postsecondary educational institutions assigned by ACT, available at www.act.org	Required choice Recommended	minOcc 0 maxOcc 1 minLen 4 maxLen 4
	Comment: *The ACT would be an appropriate choice if this test score report is being sent to a postsecondary institution and the ACT number for that institution is known.*			
CCD	Required choice	The unique identifier assigned by the United States Department of Education's National Center for Education Statistics as the Common Core of Data for each data exchange partner.	Recommended	minOcc 0 maxOcc 1 minLen 12 maxLen 12
	Comment: *The CCD was primarily a code set used by K12 and would not be an appropriate option for this choice as a destination secondary school or agency.*			

Tag Name	Schema Use	Description	Recommended Use	Format
CEEBACT	Required choice	The unique identifier assigned by the College Entrance Examining Board and ACT for each K-12 data exchange partner.	Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *The CEEBACT code set primarily includes K12 institutions and would be an option for this choice as a destination secondary school or agency.*			
CSIS	Required choice	The unique identifier assigned by the Statistics Canada Canadian College Student Information System for each postsecondary data exchange partner.	Required choice Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *The CSIS would be an appropriate choice if this test score report is being sent to a postsecondary institution in Canada and the CSIS number for that institution is known.*			
USIS	Required choice	The unique identifier assigned by the Statistics Canada University Student Information System for each data postsecondary exchange partner.	Required choice Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *The USIS would be an appropriate choice if this test score report is being sent to a postsecondary institution in Canada.*			
PSIS	Required choice	A seven digit Canadian code that identifies primary and secondary educational institutons	Not Recommended	minOcc 0 maxOcc 1 minLen 7 maxLen 7
	Comment: *This may be used if the code is not available in one of the other code sets such as CEEB.*			
ESIS	Required choice	The unique identifier assigned by the Statistics Canada Enhanced Student Information System for each data postsecondary exchange partner.	Required choice Recommended	minOcc 0 maxOcc 1 minLen 8 maxLen 8
	Comment: *The ESIS would be an appropriate choice if this test score report is being sent to a postsecondary institution in Canada.*			
DUNS	Required choice	Data Universal Numbering System (DUNS), unique nine character company identification number issued by Dun and Bradstreet Corporation.	Not Recommended	minOcc 0 maxOcc 1 minLen 9 maxLen 9
	Comment: *The DUNS number would not be a normal choice to identify the recipient school. However, it could be used if this electronic test score report is being sent to a company or agency that can receive XML documents and that company or agency has a DUNS number that is known to the sending testing agency.*			
MutuallyDefined	Optional		Optional	minLen 1 maxLen 80
	Comment: *End of OrganizationIDGroup choice set tags*			
LocalOrganizationID	Optional	A code set typically used by a state, province or region to further identify the receiving school or agency	Optional	minOcc 0 maxOcc 1 minLen 9 maxLen 9
OrganizationName	Optional Repeatable	Name of Non-person entity such as Organization, Institution, Agency or Business.	Recommended	minOcc o maxOcc ∞ minLen 1 maxLen 60
	Comment: *Use repeated OrganizationName to include alternate routing destination (e.g.Human Resources, Graduate School).*			
Contacts	Optional Repeatable	To identify a person or an office at the receiving school or agency to which administrative communications should be directed	Optional	minOcc o maxOcc ∞

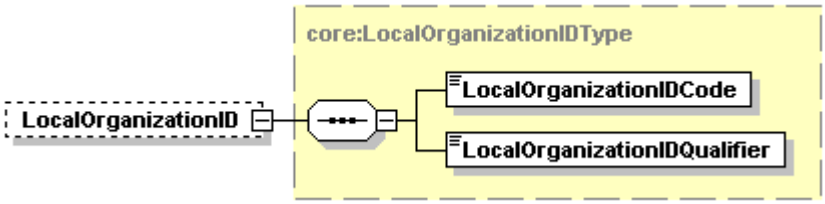
Tag Name	Schema Use	Description	Recommended Use	Format
	Comment: *Use Contacts for additional routing instructions and information for the receiving school or agency.*			
NoteMessage	Optional Repeatable	Additional information about the organization	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Organization>
    <ATP>006882</ATP>
    <LocalOrganizationID>
        SubElements omitted to save space.
    </LocalOrganizationID>
    <OrganizationName>THE UNIVERSITY OF TEXAS AT AUSTIN</OrganizationName>
    <Contacts>
        SubElements omitted to save space.
    </Contacts>
    <NoteMessage/>
</Organization>
```

TransmissionData.Destination.Organization.LocalOrganizationID

Note: Although the complex data element LocalOrganizationID is an optional data element, if you choose to send LocalOrganizationID, then you must also send both LocalOrganizationIDCode and also LocalOrganizationIDQualifier.

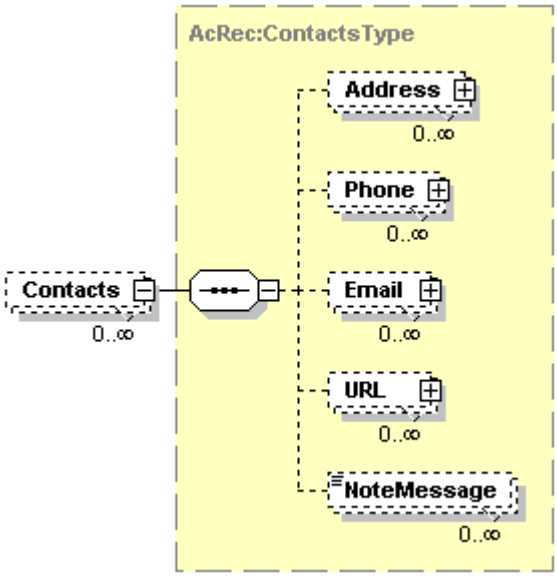


Tag Name	Schema Use	Description	Recommended Use	Format
LocalOrganizationIDCode	Required	The code assigned for the sending school by the state, province or other mutually defined agency specified in the LocalIDQualifier that follows.	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 35
	Comment: *This is a required data element only if the Local Organization ID complex data element is sent. This is typically the administrative school code assigned by a state or province to specifically identify the receiving school in that state. If it is not assigned by a state or province, then code ZZ should be used in the Local ID Qualifier that follows.*			
LocalOrganizationIDQualifier	Required	This is the state, province or other mutually definded agency that assigned the Local D Code above.	Required	minOcc 1 maxOcc 1 **Enumeration:** See Appendix A
	Comment: *This is a required data element only if the Local Organization ID data element is sent. This is typically the state or province that assigned the code to specifically identify the receiving school in that state. If it is not assigned by a state or province, then code ZZ should be used in this data element.*			

Code Example:

```
<LocalOrganizationID>
    <LocalOrganizationIDCode>2237901002</LocalOrganizationIDCode>
    <LocalOrganizationIDQualifier>TX</LocalOrganizationIDQualifier>
</LocalOrganizationID>
```

TransmissionData.Destination.Organization.Contacts



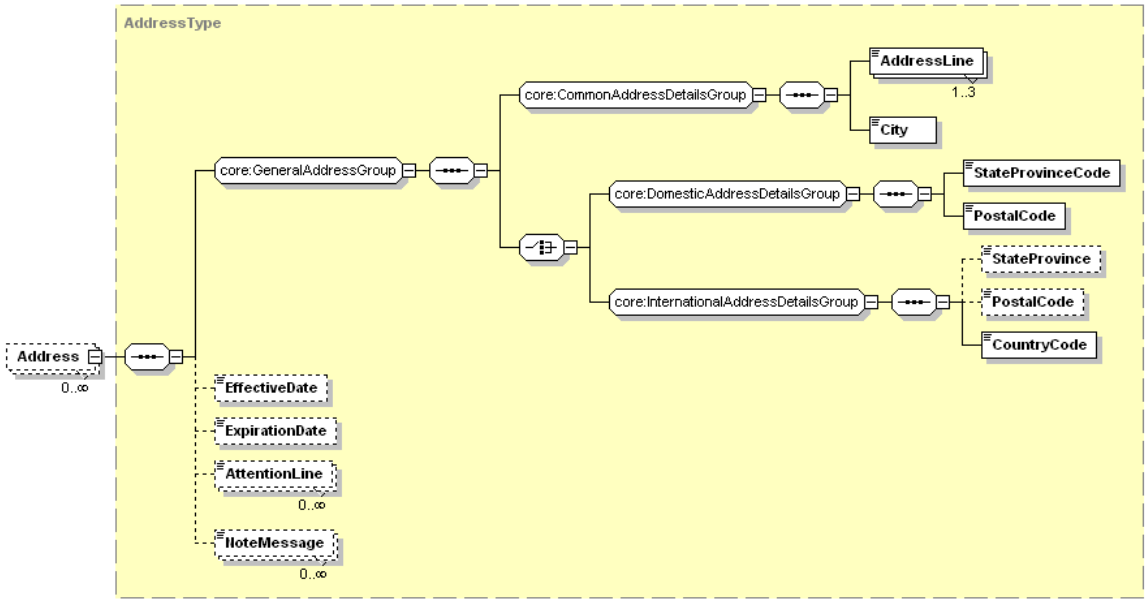
Tag Name	Schema Use	Description	Recommended Use	Format
Address	Optional Repeatable	This is a combined Address Group for a choice between Domestic or International	Recommended	minOcc o maxOcc ∞
Phone	Optional Repeatable	Phone number of receiving institution contact	Recommended	minOcc o maxOcc ∞
Email	Optional Repeatable	Email address of receiving institution contact	Optional	minOcc o maxOcc ∞
URL	Optional Repeatable	The Uniform Resource Locator of receiving institution	Optional	minOcc o maxOcc ∞
NoteMessage	Optional Repeatable	Additional information about the contacts at the receiving institution	Not recommended	minOcc o maxOcc ∞ minLen 1 maxLen 80
Comment: *This address of the recipient school or agency is not often used, but it may be helpful to identify the specific recipient of the document.*				

Code Example:

```
<Contacts>
    <Address>
        SubElement omitted
    </Address>
    <Phone>
        SubElement omitted
    </Phone>
    <Email>
        SubElement omitted
    </Email>
    <URL>
        SubElement omitted
    </URL>
    <NoteMessage/>
</Contacts>
```

TransmissionData.Destination.Organization.Contacts.Address

Note: Although the complex data element Address is an optional data element, if you choose to send the Address of Contacts at the receiving institution, then you must send AddressLine and City and also StateProvinceCode, and PostalCode OR CountryCode.



Tag Name	Schema Use	Description	Recommended Use	Format
GeneralAddressGroup	Required	This Address Group is for items common to all Addresses	Required	minOcc 1 maxOcc 1
	Comment: *[GeneralAddressGroup] does not appear in the instance document. It requires the use of CommonAddressDetailsGroup and the choice of one of either DomesticAddressDetailsGroup or InternationalAddressDetailsGroup. This group is required in the schema only if you choose to send the address of the contact.*			
CommonAddressDetailsGroup	Required	This Address Group is for items common to all Addresses	Required	minOcc 1 maxOcc 1
	Comment: *[CommonAddressDetailsGroup] does not appear in the instance document. If the address of a contact is included In the test score report, then this must be sent. It is required and must be paired with one of either DomesticAddressDetailsGroup or InternationalAddressDetailsGroup.*			
AddressLine	Required Repeatable	Local delivery information such as street, building number, PO box, or apartment portion of a postal address of a Contact at the destination.	Required	minOcc 1 maxOcc 3 minLen 1 maxLen 40
City	Required	The city portion of the Address of a Contact at the destination.	Required	minOcc 1 maxOcc 1 minLen 2 maxLen 30
DomesticAddressDetailsGroup	Required choice	This Address Group is for items specific for US and Canadian Addresses	Required for domestic addresses	minOcc 1 maxOcc 1
	Comment: *[*DomesticAddressDetailsGroup*] does not appear in the instance document. If the complex data element address has a United States or Canadian Postal Code and a US State or Canadian Province Code, then this should be*			

Tag Name	Schema Use	Description	Recommended Use	Format
	the required choice.			
StateProvinceCode	Required	Code for US states, etc., and Canadian provinces.	Required	minOcc 1 maxOcc 1 **Enumeration:** See Appendix A
PostalCode	Required	The postal code portion of the Address.	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 17
InternationalAddressDetailsGroup	Required choice	This Address Group is for items specific for International Addresses	Required for international addresses	minOcc 1 maxOcc 1
	***Comment:** [*InternationalAddressDetailsGroup*] does not appear in the instance document. This choice is for addresses that do not have a US or Canadian postal code.*			
StateProvince	Optional	The literal name of the state, province or territory of a postal address of the source of this document. Use for addresses outside US or Canada.	Recommended Refer to common postal practices of the source country	minOcc 0 maxOcc 1 minLen 2 maxLen 30
	Comment: For an internet resource of states or other geographical subdivisions in countries other than the US and Canada, you might choose to refer to the website of the Universal Postal Union at http://www.upu.int			
PostalCode	Optional	The postal code portion of the Address.	Recommended Refer to common postal practices of the source country	minOcc 0 maxOcc 1 minLen 1 maxLen 17
	Comment: For an internet resource of states or other geographical subdivisions in countries other than the US and Canada, you might choose to refer to the website of the Universal Postal Union at http://www.upu.int			
CountryCode	Required	Code indicating Country. Use ISO 3166-1 alpha-2 standard.	Required	minOcc 1 maxOcc 1 **Enumerations:** See Appendix B
Effective Date	Optional	Date on which the address became (or will become) effective	Optional	minOcc 0 maxOcc 1 **Format:** CCYY
Expiration Date	Optional	Date on which the address expired (or will expire)	Optional	minOcc 0 maxOcc 1 **Format:** CCYY
AttentionLine	Optional	The individual or office name within the postal address where inquiries should be directed.	Optional	minOcc 1 maxOcc ∞ minLen 1 maxLen 45
	Comment: This might be used to indicate where questions about the record should be sent. For example, Principal, Guidance Counselor, Headmaster, etc.			
NoteMessage	Optional Repeatable	Additional information about the addresses of the contacts at the destination	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example (domestic address):

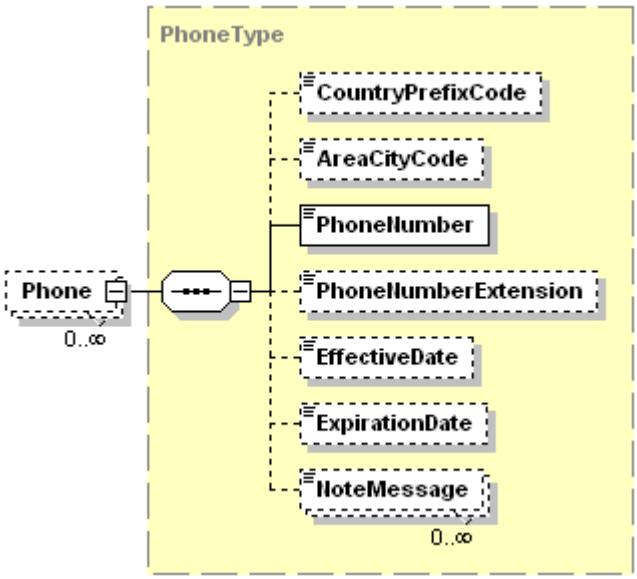
```
<Address>
    <AddressLine>1715 W Cesar Chavez</AddressLine>
    <City>Austin</City>
    <StateProvinceCode>TX</StateProvinceCode>
    <PostalCode>78703</PostalCode>
    <AttentionLine>Jane Doe</AttentionLine>
    <AttentionLine>GuidanceCounselor</AttentionLine>
    <NoteMessage/>
</Address>
```

Code Example (international address):

```
<Address>
    <AddressLine>Altova Corporation</AddressLine>
    <AddressLine>Rudolfsplatz 13a/9</AddressLine>
    <City>Wien</City>
    <StateProvince/>
    <PostalCode>A-1010</PostalCode>
    <CountryCode>AT</CountryCode>
</Address>
```

TransmissionData.Destination.Organization.Contacts.Phone

Note: Although the complex data element Phone is an optional data element, if you choose to send the Phone of a Contact at the receiving institution, then you must send a phone number.



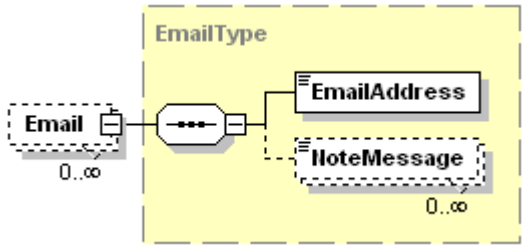
Tag Name	Schema Use	Description	Recommended Use	Format
CountryPrefixCode	Optional	International dialing code	Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 3
AreaCityCode	Optional	Regional dialing code	Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 5
PhoneNumber	Required	Telephone number	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 11
	Comment: The phone number will typically be sent as a string of numbers with no spaces, periods or dashes.			
PhoneNumberExtension	Optional	The extended telephone addressing information used in addition to phone number such as a PBX extension, a pager PIN, or FAX sub-address	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 5
Effective Date	Optional	Date on which the address became (or will become) effective	Optional	minOcc 0 maxOcc 1 **Format:** CCYY
Expiration Date	Optional	Date on which the address expired (or will expire)	Optional	minOcc 0 maxOcc 1 **Format:** CCYY
NoteMessage	Optional Repeatable	Additional information about the phone number of the contact at the destination	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Phone>
    <CountryPrefixCode/>
    <AreaCityCode>512</AreaCityCode>
    <PhoneNumber>4142505</PhoneNumber>
    <PhoneNumberExtension/>
</Phone>
```

TransmissionData.Destination.Organization.Contacts.Email

Note: Although the complex data element Email is an optional data element, if you choose to send the Email of a Contact at the receiving institution, then you must send the data element EmailAddress.



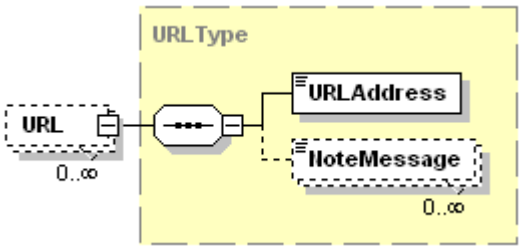
Tag Name	Schema Use	Description	Recommended Use	Format
EmailAddress	Required	The numbers, letters, and symbols used to identify an electronic mail (Email) user within a network.	Required	minOcc 1 maxOc 1 minLen 1 maxLen 128
NoteMessage	Optional Repeatable	Additional information about the email address of the contact at the destination.	Not recommended	minOcc 0 maxOc ∞ minLen 1 maxLen 80

Code Example:

```
<Email>
    <EmailAddress>registrar@anyhighschool.edu</EmailAddress>
    <NoteMessage/>
</Email>
```

TransmissionData.Destination.Organization.Contacts.URL

Note: Although the complex data element URL is an optional data element, if you choose to send the URL of the Receiving Institution, then you must send the URLAddress.

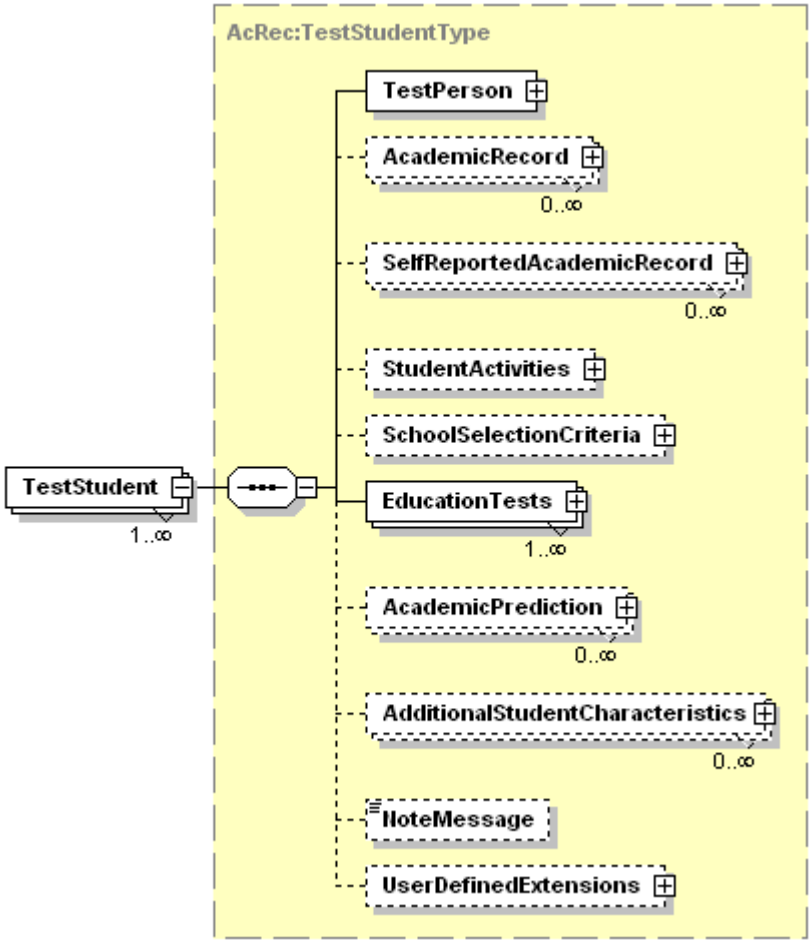


Tag Name	Schema Use	Description	Recommended Use	Format
URLAddress	Required	The Uniform Resource Locator (URL) address of the receiving school or of a contact at the destination.	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 512
NoteMessage	Optional Repeatable	Additional information about the URL address of the destination institution.	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<URL>
    <URLAddress>www.anyhighschool.edu</URLAddress>
    <NoteMessage/>
</URL>
```

TestStudent



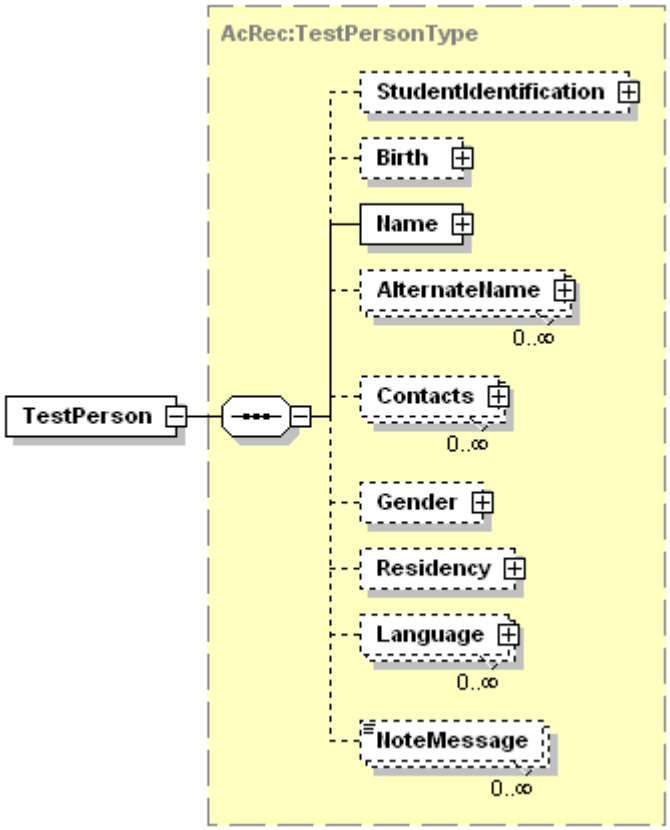
Tag	Schema Use	Description	Recommended Use	Format
TestPerson	Required	Core information about the specific student	Required	minOcc 1 maxOcc 1
AcademicRecord	Optional	Information about the student's academic history and accomplishments.	Optional	minOcc 0 maxOcc ∞
	Comment: *This element is intended for use by organizations that provide both test score report information and official transcripts. A detailed description of this element is provided in a supplemental implementation guide available at http://www.pesc.org*			
SelfReportedAcademicRecord	Optional	Information provided by the student as part of the testing process. This may include self reported grades.	Optional	minOcc 0 maxOcc ∞
StudentActivities	Optional	Information about the student's extracurricular activities and additional school acheivements	Optional	minOcc 0 maxOcc 1
SchoolSelectionCriteria	Optional	Summarizes the student's criteria for selecting a school	Optional	minOcc 0 maxOcc 1
EducationTests	Required	Details the tests, subtests and scores for each test. Multiple tests may be provided for each student.	Required	minOcc 1 maxOcc ∞

Tag	Schema Use	Description	Recommended Use	Format
AcademicPrediction	Optional	Testing agency predictions of academic performance based upon academic record, test scores, and predictive validity studies	Optional	minOcc 0 maxOcc ∞
AdditionalStudentCharacteristics	Optional	Provides a location to encode student characteristics not covered in other areas	Optional	minOcc 0 maxOcc ∞
NoteMessage	Optional	Supplemental information about the student	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80
UserDefinedExtensions	Optional	Provides a method for test reporting agency to add additional structured information outside of the schema	Not Recommended	minOcc 0 maxOcc 1

Code Example:

```
<TestStudent>
    <TestPerson>
        SubElements omitted to save space.
    </TestPerson>
    <AcademicRecord>
        SubElements omitted to save space.
    </AcademicRecord>
    <SelfReportedAcademicRecord>
        SubElements omitted to save space.
    </SelfReportedAcademicRecord>
    <StudentActivities>
        SubElements omitted to save space.
    </StudentActvities>
    <SchoolSelectionCriteria>
        SubElements omitted to save space.
    </SchoolSelectionCriteria>
    <EducationTests>
        SubElements omitted to save space.
    </EducationTests>
    <AcademicPrediction>
        SubElements omitted to save space.
    </AcademicPrediction>
</TestStudent>
```

TestStudent.TestPerson



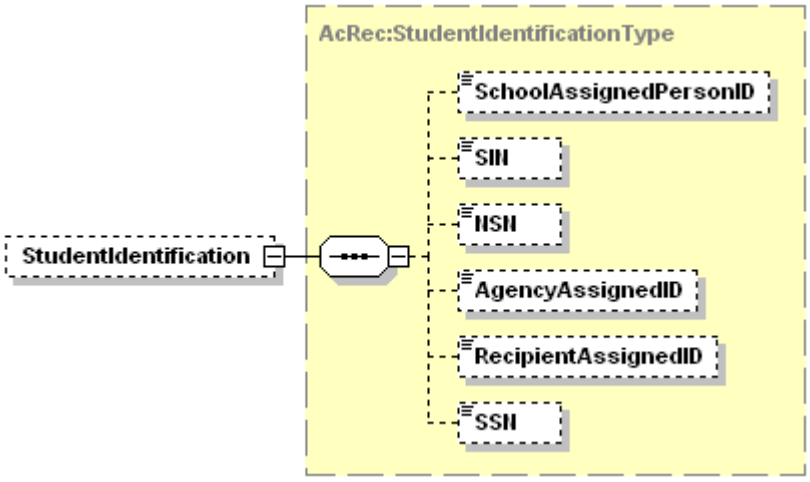
Tag Name	Schema Use	Description	Recommended Use	Format
StudentIdentification	Optional	Provides a set of identifiers including SSN that may be used to uniquely identify the student	Recommended	minOcc 0 maxOcc 1
Birth	Optional	Information about the birth of the student	Recommended	minOcc 0 maxOcc 1
Name	Required	Name of the student	Required	minOcc 1 maxOcc 1
AlternateName	Optional Repeatable	Other names by which the student is (or has previously been) known	Recommended	minOcc 0 maxOcc ∞
Contacts	Optional Repeatable	Information about how the student may be contacted	Optional	minOcc 0 maxOcc ∞
Gender	Optional	Gender of the student	Recommended	minOcc 0 maxOcc 1
Residency	Optional	Where the student currently resides	Not Recommended	minOcc 0 maxOcc 1
Language	Optional Repeatable	Includes the languages in which the student is proficient	Optional	minOcc 0 maxOcc ∞
NoteMessage	Optional Repeatable	Additional information about the student	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Tag Name	Schema Use	Description	Recommended Use	Format
	Comment: Because note information is not normally coded, it cannot be automatically processed by a computer. Therefore, its use in an XML test score report is discouraged. However, if there is a prior agreement between the sender and the recipient, it could be formatted in a previously agreed upon manner between the two parties and therefore might assist in the processing of the test score report.			

Code Example:

```
<TestPerson>
    <StudentIndentification>
        Subelements omitted
    </StudentIndentification
    <Birth>
        SubElement omitted
    </Birth>
    <Name>
        SubElement omitted
    </Name>
    <AlternateName>
        SubElement omitted
    </AlternateName>
    <Contacts>
        SubElement omitted
    </Contacts>
    <Gender>
        SubElement omitted
    </Gender>
</TestPerson>
```

TestStudent.TestPerson.StudentIdentification

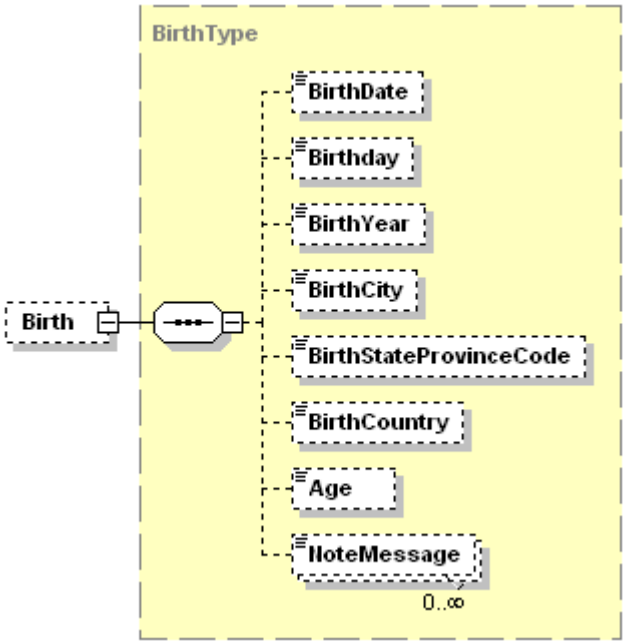


Tag Name	Schema Use	Description	Recommended Use	Format
SchoolAssignedPersonID	Optional	School assigned identifier	Not Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 20
	Comment: *This would typically be the student ID at the school the applicant is now attending or has previously attended. However, since there is no way of knowing which school that is, in this context, it is not recommended that it be included here.*			
SIN	Optional	The person's Canadian Social Insurance Number	Not Recommended	minOcc 0 maxOcc 1 minLen 9 maxLen 9
NSN	Optional	Canadian National Student Number	Optional	minOcc 0 maxOcc 1
AgencyAssignedID	Optional	Agency assigned identifier	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 30
	Comment: *This is the identifier assigned by the testing agency.*			
RecipientAssignedID	Optional	Recipient assigned identifier	Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 20
	Comment: *This is the place to provide the ID assigned by the school which the student attended, is currently attending, or to which the student is applying, if it is known at the time this test score report is being submitted. Normally, this would only be known if this is an updated application for admission. This field is alpha numeric. All fields in this Implementation Guide are alpha numeric fields unless otherwise specified.*			
SSN	Optional	Social Security Number assigned to the US student by the United States Social Security Administration	Recommended	minOcc 0 maxOcc 1 Pattern \d{9}
	Comment: *The inclusion of the SSN is important in the US school's database. The application for admission is an important and preferred place for the student to provide this information. It is required for students who receive federal financial aid from the US government. It must be optional since this schema will also be used for the application for admission of non-US citizens who may not have been assigned this number, and US students cannot be required to provide it.*			

Code Example:

```
<StudentIdentification>
    <NSN/>
    <AgencyAssignedID/>
    <RecipientAssignedID/>
    <SSN>987654321</SSN>
</StudentIdentification>
```

TestStudent.TestPerson.Birth

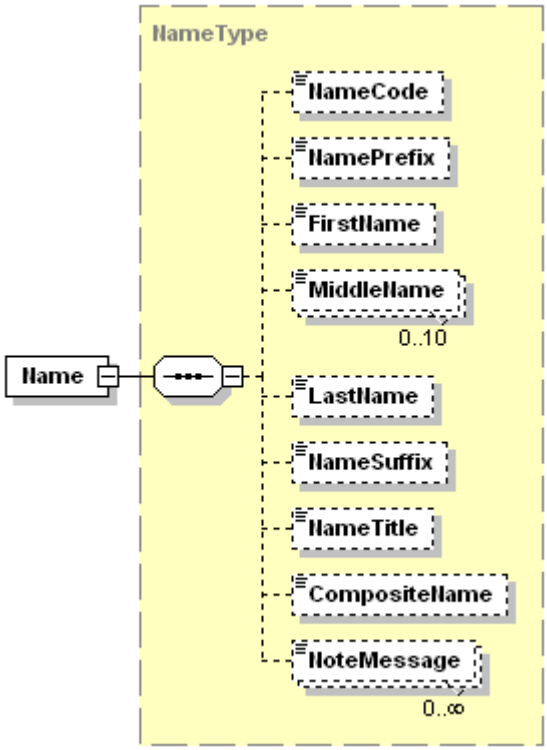


Tag Name	Schema Use	Description	Recommended Use	Format
BirthDate	Optional	Date of Birth	Recommended	minOcc 0 maxOcc 1 **Format:** CCYY-MM-DD
BirthDay	Optional	Month and Day of Birth	Not Recommended	minOcc 0 maxOcc 1 **Format:** MM-DD
BirthYear	Optional	Year of Birth	Not Recommended	minOcc 0 maxOcc 1 **Format:** YYYY
	Comment: *Use instead of BirthDate when it is desirable to withhold the student's age. Although appropriate on a student transcript, it would not be appropriate on the test score report.*			
BirthCity	Optional	City of Birth	Optional	minOcc 0 maxOcc 1
BirthStateProvinceCode	Optional	State of Birth (within the United States) or Canadian Province	Optional	minOcc 0 maxOcc 1
BirthCountry	Optional	Country of Birth	Optional	minOcc 0 maxOcc 1
Age	Optional	Age	Not Recommended	minOcc 0 maxOcc 1
NoteMessage	Optional Repeatable	Additional information about the birth of the student	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Birth>
        <BirthDate>1987-07-20</BirthDate>
</Birth>
```

TestStudent.TestPerson.Name



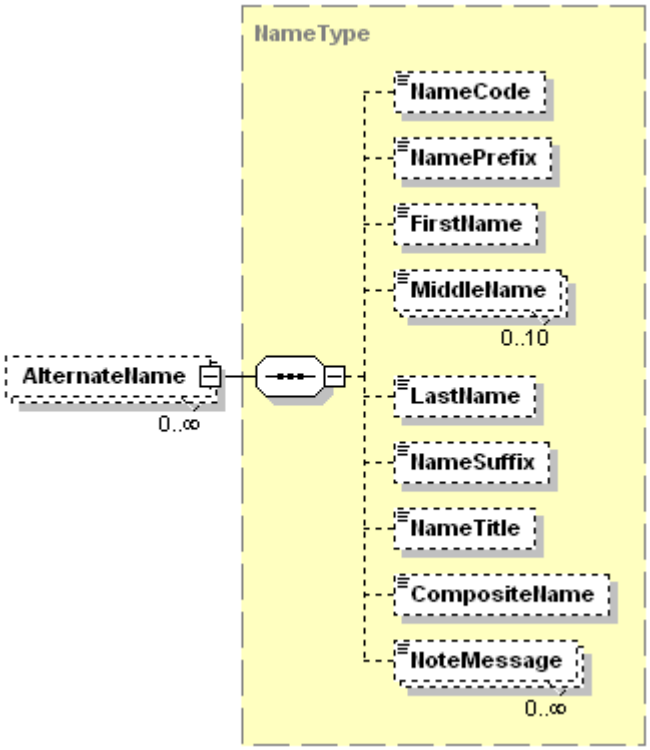
Tag Name	Schema Use	Description	Recommended Use	Format
NameCode	Optional	Code that indicates the type of name that is being described		minOcc 0 maxOcc 1
NamePrefix	Optional	An honorific, title or form of address that precedes the name.	Not Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 30
Comment: *The honorific includes such data as "Dr.", "Professor", "Miss", etc. However, this field is not recommended for use.*				
FirstName	Optional	First name of the person, usually given at birth, baptism, or during, another ceremony, or through legal change	Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 35
MiddleName	Optional Repeatable	Secondary name of the person, usually given at birth, baptism, or during another naming ceremony or through legal change	Recommended	minOcc 0 maxOcc 10 minLen 1 maxLen 35
LastName	Optional	Last name or surname by which a person is legally known	Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 35
	Comment: It is extremely important to collect the name, and especially the last name of the applicant. Most schools would not be able to process the application for admission into the school's database if the last name is not provided. However, in the rare case of a student who has no last name, it would be essential to provide the first name.			

Tag Name	Schema Use	Description	Recommended Use	Format
NameSuffix	Optional	The expression of an individual's generation within a family	Recommended	minOcc 0 maxOcc 1 **Enumeration:** JR SR I II III IV V
NameTitle	Optional	An honorific, title or credential that follows the name	Not Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 30
CompositeName	Optional	Full name of the person in Last, First Middle order, comma after last name	Not Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 45
	Comment: *The use of the composite format for student name is discouraged. It is much easier for the receiving school to process the individual name parts into its database than to process a composite name. This data element is scheduled to be deleted in a future release of the standard.*			
NoteMessage	Optional Repeatable	Additional information about the birth of the student.	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Name>
        <FirstName>John</FirstName>
        <MiddleName>Billy</MiddleName>
        <MiddleName>Bob</MiddleName>
        <LastName>Thornton</LastName>
        <NameSuffix>JR</NameSuffix>
</Name>
```

TestStudent.TestPerson.AlternateName



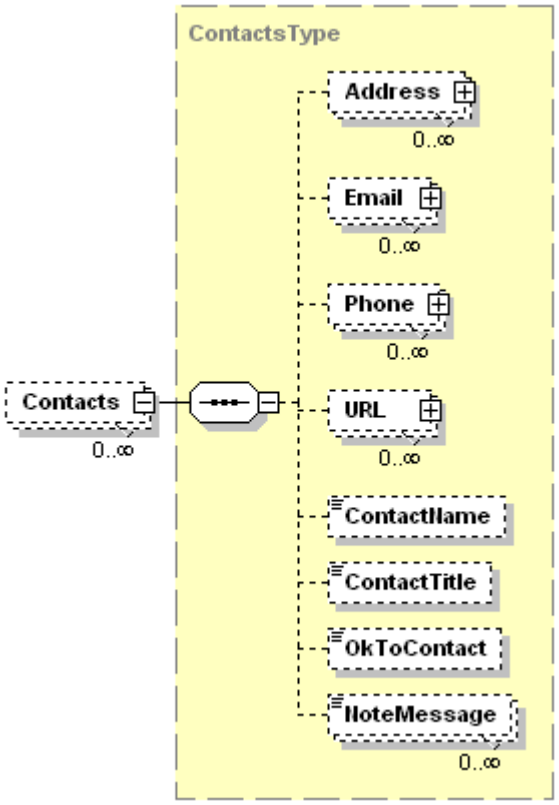
Tag Name	Schema Use	Description	Recommended Use	Format
NameCode	Optional	Code that indicates the type of name that is being described		minOcc 0 maxOcc 1
NamePrefix	Optional	An honorific, title or form of address that precedes the name.	Not Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 30
FirstName	Optional	First name of the person, usually given at birth, baptism, or during, another ceremony, or through legal change.	Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 35
MiddleName	Optional Repeatable	Secondary Name of the person, usually given at birth, baptism, or during another naming ceremony or through legal change	Recommended	minOcc 0 maxOcc 10 minLen 1 maxLen 35
LastName	Optional	Last name or surname by which a person is legally known	Recommended	minOcc 1 maxOcc 1 minLen 1 maxLen 35
NameSuffix	Optional	The expression of an individual's generation within a family	Recommended	minOcc 0 maxOcc 1 **Enumeration:** JR SR I II III IV V

Tag Name	Schema Use	Description	Recommended Use	Format
NameTitle	Optional	An honorific, title or credential that follows the name	Not Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 30
CompositeName	Optional	Full name of the person in Last, First Middle order, comma after last name	Not Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 45
	Comment: *The use of the composite format for student name is discouraged. It is much easier for the receiving school to process the individual name parts into its database than to process a composite name. This data element is scheduled to be deleted in a future release of the standard.*			
NoteMessage	Optional Repeatable	Additional information about the alternate name	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80
	Comment: *Alternate names may include former names, nicknames, or other names by which the student may now be (or have been) known.*			

Code Example:

```
<AlternateName>
    <FirstName>Test</FirstName>
    <MiddleName>Record</MiddleName>
    <MiddleName>Test</MiddleName>
    <LastName>Speede</LastName>
    <NameSuffix/>
</AlternateName>
```

TestStudent.TestPerson.Contacts



Tag Name	Schema Use	Description	Recommended Use	Format
Address	Optional Repeatable	This is a combined Address Group for a choice between Domestic or International	Recommended	minOcc o maxOcc ∞
Email	Optional Repeatable	Email address(es) for the student	Recommended	minOcc o maxOcc ∞
Phone	Optional Repeatable	Phone number(s) for the student	Recommended	minOcc o maxOcc ∞
URL	Optional Repeatable	Personal URL(s) on record for the student	Not Recommended	minOcc o maxOcc ∞
ContactName	Optional	Name of the contact at the sponsoring organization	Recommended	minOcc o maxOcc ∞ minLen 0 maxLen 60
ContactTitle	Optional	Job title or position of the contact at the sponsoring organization	Recommended	minOcc o maxOcc ∞ minLen 0 maxLen 60
OkToContact	Optional	If known, this is the information that the applicant has provided that it is OK to contact the person at the sponsoring organization about additional information	Optional	minOcc o maxOcc ∞ **Enumeration**: Yes No

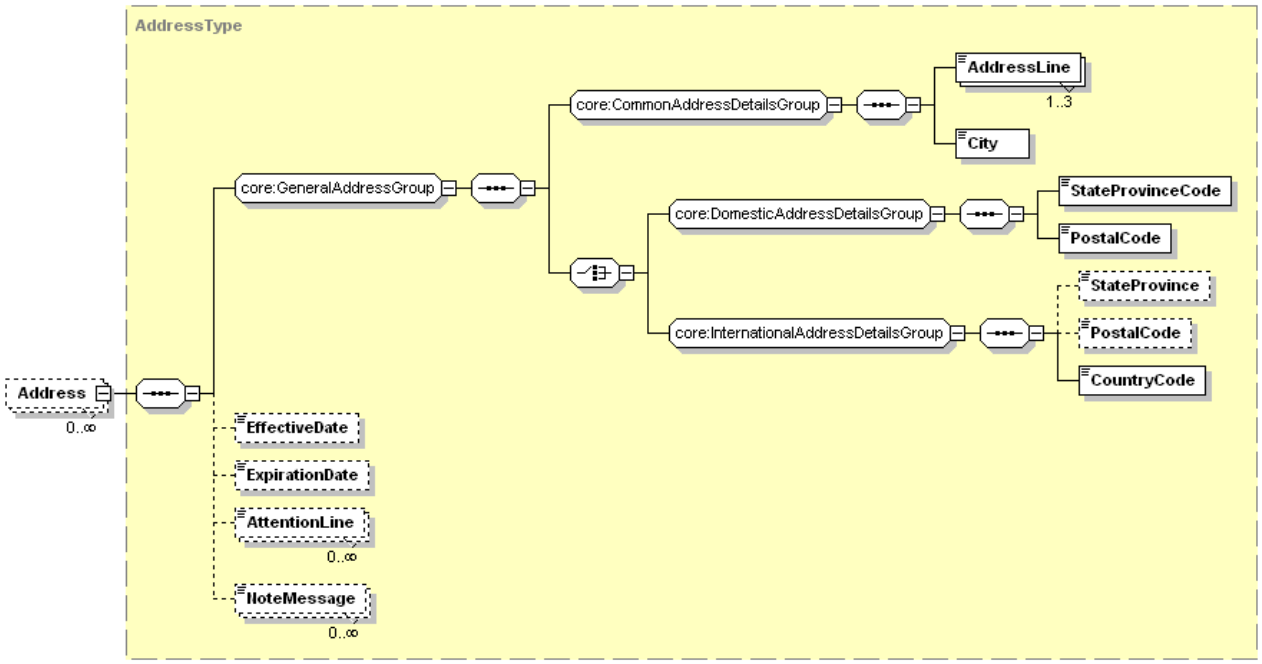
Tag Name	Schema Use	Description	Recommended Use	Format
NoteMessage	Optional Repeatable	Additional information about the Contacts	Not Recommended	minOcc o maxOcc ∞ minLen 1 maxLen 80
	Comment: *The inclusion of the contact information about the student can be helpful at the receiving institution for additional matching criteria. It can also be of use at the receiving school (if the student has not yet applied for admission) to create a skeletal admissions record, or it may also be used in an attempt to contact the student to encourage the student to submit an application.*			

Code Example:

```
<Contacts>
    <Address>
        SubElement omitted
    </Address>
    <Phone>
        SubElement omitted
    </Phone>
    <Email>
        SubElement omitted
    </Email>
</Contacts>
```

TestStudent.TestPerson.Contacts.Address

Note: Although the complex data element Address is an optional data element, if you choose to send the Address of the Student, then you must send AddressLine and City and also StateProvinceCode, and PostalCode OR CountryCode



Tag Name	Schema Use	Description	Recommended Use	Format
GeneralAddressGroup	Required	This Address Group is for items common to all Addresses.	Required	minOcc 1 maxOcc 1
	Comment: *[GeneralAddressGroup] does not appear in the instance document. It requires the use of CommonAddressDetailsGroup and the choice of one of either DomesticAddressDetailsGroup or InternationalAddressDetailsGroup. This group is required in the schema only if you choose to send the address of the contact.*			
CommonAddressDetailsGroup	Required	This Address Group is for items common to all Addresses.	Required	minOcc 1 maxOcc 1
	Comment: *[CommonAddressDetailsGroup] does not appear in the instance document. If the address of a contact is included In the test score report, then this must be sent. It is required and must be paired with one of either DomesticAddressDetailsGroup or InternationalAddressDetailsGroup.*			
AddressLine	Required Repeatable	Local delivery information such as street, building number, PO box, or apartment portion of a postal address of a Contact at the Sending (Source) High School	Required	minOcc 1 maxOcc 3 minLen 1 maxLen 40
City	Required	City portion of the Address of a Contact at the Sending (Source) High School	Required	minOcc 1 maxOcc 1 minLen 2 maxLen 30
DomesticAddressDetailsGroup	Required Choice	This Address Group is for items specific for US and Canadian Addresses.	Required for domestic addresses	minOcc 1 maxOcc 1

Tag Name	Schema Use	Description	Recommended Use	Format
	Comment: *[*DomesticAddressDetailsGroup*] does not appear in the instance document. If the complex data element address has a United States or Canadian Postal Code and a US State or Canadian Province Code, then this should be the required choice.*			
StateProvinceCode	Required	Code for US states, etc., and Canadian provinces	Required	minOcc 1 maxOcc 1 **Enumeration:** See Appendix A
PostalCode	Required	Postal code portion of the Address	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 17
InternationalAddressDetailsGroup	Required choice	This Address Group is for items specific for International Addresses.	Required for international addresses	minOcc 1 maxOcc 1
	Comment: *[*InternationalAddressDetailsGroup*] does not appear in the instance document. This choice is for addresses that do not have a US or Canadian postal code.*			
StateProvince	Optional	Literal name of the state, province, or territory of a postal address of the source of this document. Use for addresses outside US or Canada.	Recommended Refer to common postal practices of the source country	minOcc 0 maxOcc 1 minLen 2 maxLen 30
	Comment: *For an internet resource of states or other geographical subdivisions in countries other than the US and Canada, you might choose to refer to the website of the Universal Postal Union at http://www.upu.int*			
PostalCode	Optional	The postal code portion of the Address	Recommended Refer to common postal practices of the source country	minOcc 0 maxOcc 1 minLen 1 maxLen 17
	Comment: *For an internet resource of states or other geographical subdivisions in countries other than the US and Canada, you might choose to refer to the website of the Universal Postal Union at http://www.upu.int*			
CountryCode	Required	Code indicating Country.	Required	minOcc 1 maxOcc 1 **Enumerations:** See Appendix B
EffectiveDate	Optional	Date on which the address became (or will become) effective	Optional	minOcc 0 maxOcc 1 **Format:** CCYY
ExpirationDate	Optional	Date on which the address expired (or will expire)	Optional	minOcc 0 maxOcc 1 **Format:** CCYY
AttentionLine	Optional	Individual at the postal address where inquiries should be directed	Optional	minOcc 0 maxOcc ∞ minLen 1 maxLen 45
NoteMessage	Optional Repeatable	Additional information about the addresses of the contacts at the source school	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example (domestic address):

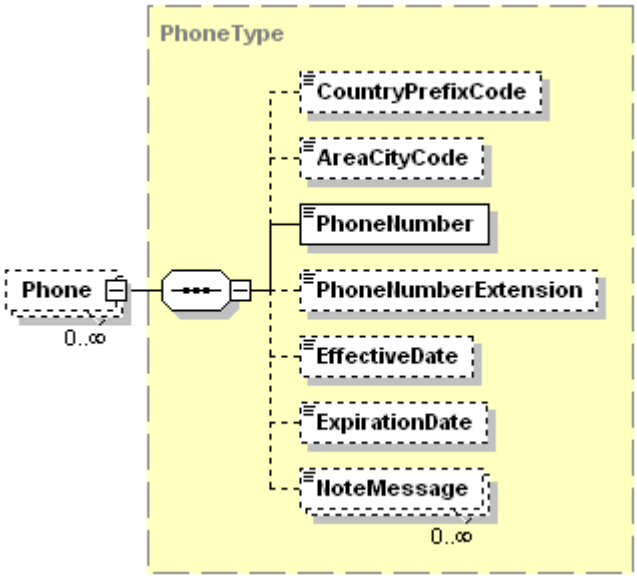
```
<Address>
    <AddressLine>1715 W Cesar Chavez</AddressLine>
    <City>Austin</City>
    <StateProvinceCode>TX</StateProvinceCode>
    <PostalCode>78703</PostalCode>
</Address>
```

Code Example (international address):

```
<Address>
    <AddressLine>Rudolfsplatz 13a/9</AddressLine>
    <City>Wien</City>
    <StateProvince/>
    <PostalCode>A-1010</PostalCode>
    <CountryCode>AT</CountryCode>
</Address>
```

TestStudent.TestPerson.Contacts.Phone

Note: Although the complex data element Phone is an optional data element, if you choose to send the Phone of the Student, then you must send the data element PhoneNumber.



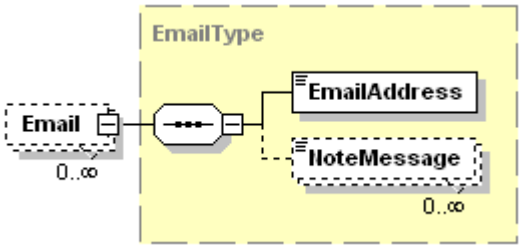
Tag Name	Schema Use	Description	Recommended Use	Format
CountryPrefixCode	Optional	International dialing code	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 3
AreaCityCode	Optional	Regional dialing code	Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 5
	Comment: *For phone numbers in the United States and Canada, this is the normal three digit area code.*			
PhoneNumber	Required	Telephone number	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 11
PhoneNumberExtension	Optional	Extended telephone addressing information used in addition to phone number such as a PBX extension, a pager PIN, or FAX sub-address	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 5
EffectiveDate	Optional	Date on which the address became (or will become) effective		minOcc 0 maxOcc 1 **Format:** CCYY
ExpirationDate	Optional	Date on which the address expired (or will expire)		minOcc 0 maxOcc 1 **Format:** CCYY
NoteMessage	Optional Repeatable	Additional information about the phone number	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Phone>
    <AreaCityCode>512</AreaCityCode>
    <PhoneNumber>8888888</PhoneNumber>
</Phone>
```

TestStudent.TestPerson.Contacts.Email

Note: Although the complex data element Email is an optional data element, if you choose to send the Email of the Student, then you must send the data element EmailAddress.



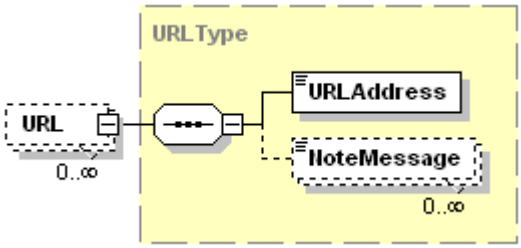
Tag Name	Schema Use	Description	Recommended Use	Format
EmailAddress	Required	Numbers, letters, and symbols used to identify an electronic mail (Email) user within a network	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 128
NoteMessage	Optional Repeatable	Additional information about the birth of the student.	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Email>
    <EmailAddress>stewartj@notreal.com</EmailAddress>
</Email>
```

TestStudent.TestPerson.Contacts.URL

Note: Although the complex data element URL is an optional data element, if you choose to send the URL of the Student, then you must send the data element URLAddress.



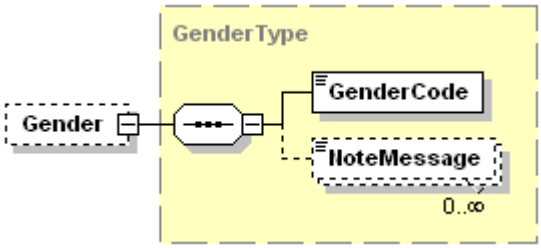
Tag Name	Schema Use	Description	Recommended Use	Format
URLAddress	Required	Uniform Resource Locator (URL) address associated with a student	Required	minOcc 1 maxOcc 1 minLen 0 maxLen 512
NoteMessage	Optional Repeatable	Additional information about the URL	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<URL>
    <URLAddress>www.notarealurl.com</URLAddress>
</URL>
```

TestStudent.TestPerson.Gender

Note: Although the complex data element Gender is an optional data element, if you choose to send the Gender of the Student, then you must send the data element GenderCode.

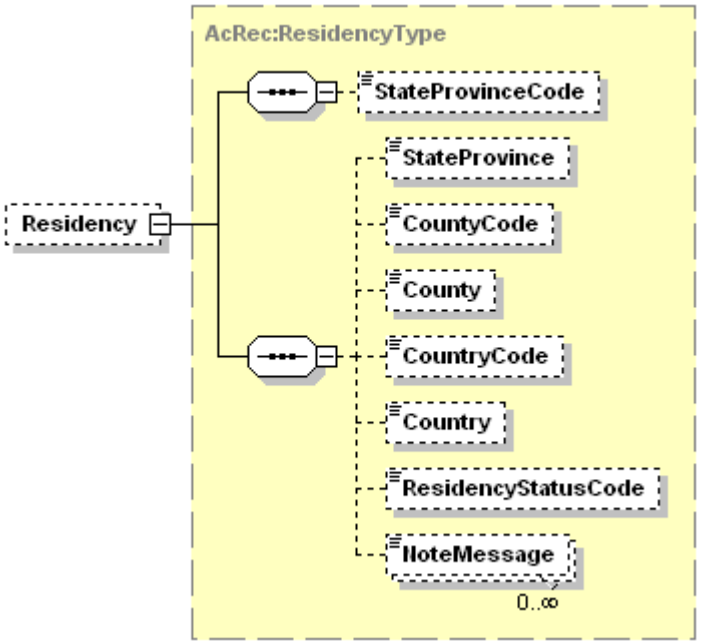


Tag Name	Schema Use	Description	Recommended Use	Format
GenderCode	Required	Gender of the Student	Required	minOcc 1 maxOcc 1 **Enumeration:** Female Male Unreported
NoteMessage	Optional Repeatable	Additional information about Gender	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Gender>
    <GenderCode>Male</GenderCode>
</Gender>
```

TestStudent.TestPerson.Residency



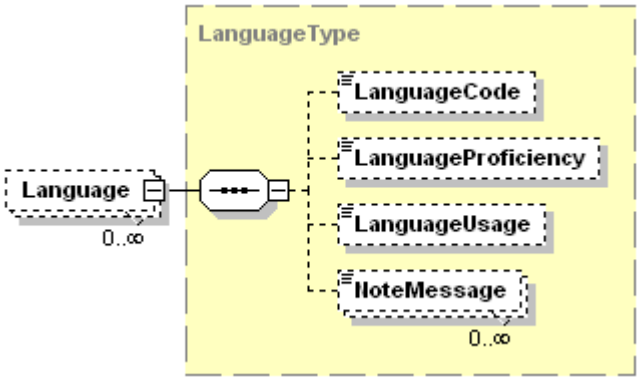
Tag Name	Schema Use	Description	Recommended Use	Format
StateProvinceCode	Optional Choice	The US State or Province in which the Student claims residency	Optional	minOcc 0 maxOcc 1 **Enumerations:** See Appendix B
StateProvince	Optional Choice	Literal name of the state, province, or territory of a postal address of the source of this document. Use for addresses outside US or Canada.	Recommended Refer to common postal practices of the source country	minOcc 0 maxOcc 1 minLen 2 maxLen 30
CountyCode	Optional Choice	A code identifying the county which the applicant claims as the permanent residence. This is a 5-digit code which includes state (2 digits) and county within a state (3 digits).	Optional	minOcc 0 maxOcc 1 minLen 2 maxLen 3 See FIPS Pub 6-4
County	Optional Choice	Name of the county which the claimant states as the county of permanent residence	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 30
CountryCode	Optional Choice	Code indicating Country	Optional	minOcc 0 maxOcc 1
Country	Optional Choice	Name of the country which the claimant states as the country of permanent residence	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 30
ResidencyStatusCode	Optional Choice	Declaration made by the claimant as to his or her permanent residency	Optional	minOcc 0 maxOcc 1

Tag Name	Schema Use	Description	Recommended Use	Format
NoteMessage	Optional Repeatable	Additional information	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Residency>
    <StateProvinceCode>MD</StateProvinceCode>
</Residency>
```

TestStudent.TestPerson.Language



Tag Name	Schema Use	Description	Recommended Use	Format
LanguageCode	Optional Repeatable	Language in which the student claims proficiency	Optional	minOcc 0 maxOcc 1 minLen 3 maxLen 3 See Appendix I
LanguageProficiency	Optional	Proficiency level of the applicant in this language	Optional	minOcc 0 maxOcc 1 **Enumerations:** Excellent Good Fair Poor Unacceptable Unknown
LanguageUsage	Optional	Type of language use	Optional	minOcc 0 maxOcc 1 **Enumerations:** SpokenAtHome Reading Writing Speaking Native
NoteMessage	Optional Repeatable	Additional information about the language proficiency of the student	Not Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 80

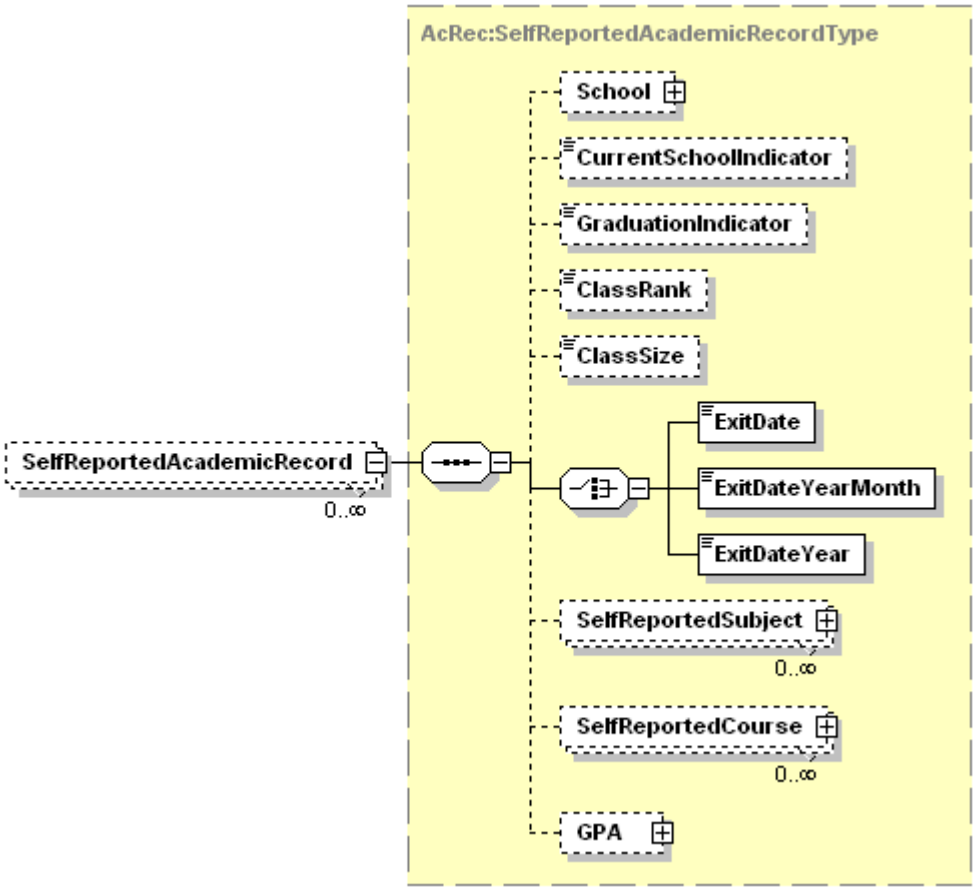
Code Example:

```
<Language>
    <LanguageCode>Wel</LangaugeCode>
    <LanguageProficiency>Fair</LanguageProficiency>
    <LanguageUsage>Speaking</LanguageUsage>
</Language>
```

TestStudent.AcademicRecord

This element is intended for use by organizations that provide both test score report information and official transcript information. A detailed description of this element is provided in a supplement at www.pesc.org.

TestStudent.SelfReportedAcademicRecord



Tag Name	Schema Use	Description	Recommended Use	Format
School	Optional	School where the courses where taken	Optional	minOcc 0 maxOcc 1
CurrentSchoolIndicator	Optional	Listed school is the current or last school attended	Optional	minOcc 0 maxOcc 1 **Type:** boolean
GraduationIndicator	Optional	Student graduated from this school	Optional	minOcc 0 maxOcc 1 **Type:** boolean
ClassRank	Optional	Class Rank of Student's GPA in the School	Optional	minOcc 0 maxOcc 1 **Type:** positiveinteger
ClassSize	Optional	Class Size of School from which the student graduated	Optional	minOcc 0 maxOcc 1 **Type:** positiveinteger
ExitDate	Required Choice	Approximate date on which the student stopped attending the school	Required Choice	minOcc 0 maxOcc 1
ExitDateYearMonth	Required Choice	The time that the student last attended the educational institution	Required Choice	minOcc 1 maxOcc 1 **Format:** YYYY-MM

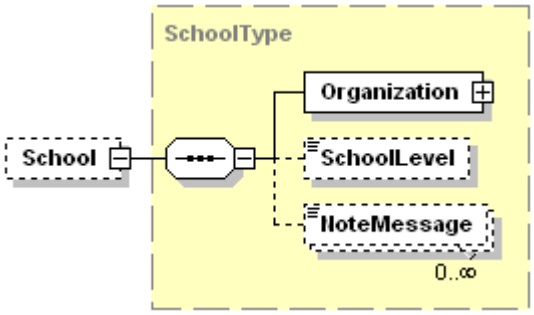
Tag Name	Schema Use	Description	Recommended Use	Format
ExitDateYear	Required Choice	The time that the student last attended the educational institution	Required Choice	minOcc 1 maxOcc 1 **Format**: YYYY
SelfReportedSubject	Optional Repeatable	Information about academic subjects and performance in those subjects	Optional	minOcc 0 maxOcc ∞
SelfReportedCourse	Optional Repeatable	Course information for the self-reported course	Recommended	minOcc 0 maxOcc ∞
GPA	Optional	Estimated GPA at the indicated School.	Optional	minOcc 0 maxOcc 1

0

Code Example:

```
<SelfReportedAcademicRecord>
    <School>
        SubElement omitted
    </School>
    <CurrentSchoolIndicator>true</CurrentSchoolIndicator>
    <SelfReportedCourse>
        SubElement omitted
    </SelfReportedCourse>
    <GPA>
        SubElement omitted
    </GPA>
</SelfReportedAcademicRecord>
```

TestStudent.SelfReportedAcademicRecord.School

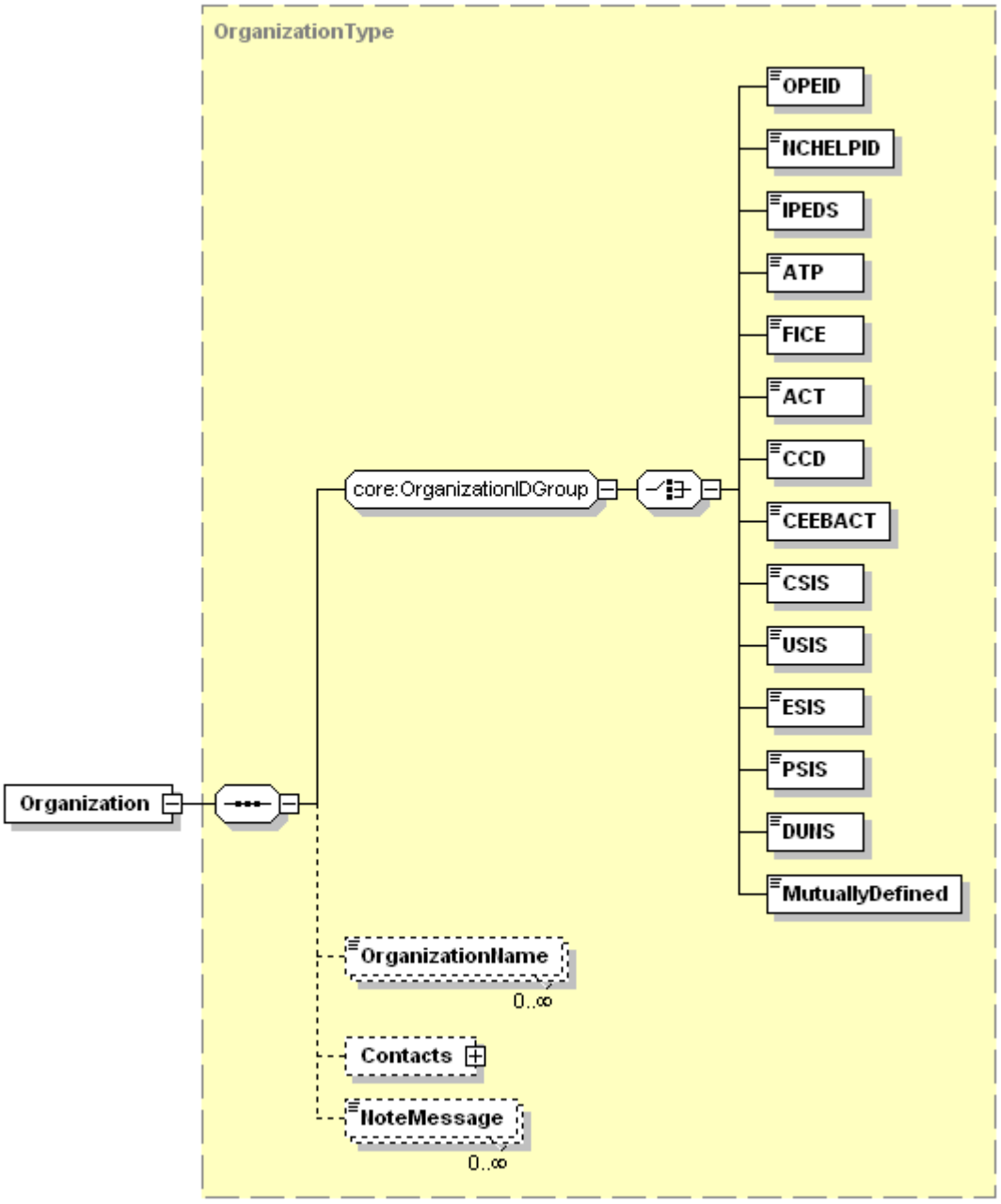


Tag Name	Schema Use	Description	Recommended Use	Format
Organization	Required	Organization where the courses were taken. See School.Organization.	Required	minOcc 1 maxOcc 1
SchoolLevel	Optional	The level of educational institution from which the courses were or will be taken	Optional	minOcc 0 maxOcc 1 **Enumeration:** Elementary Secondary Postsecondary
NoteMessage	Optional	Additional Information about the school	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<School>
    <Organization>
        SubElement omitted
    </Organization>
    <SchoolLevel>Secondary</SchoolLevel>
</School>
```

TestStudent.SelfReportedAcademicRecord.School.Organization



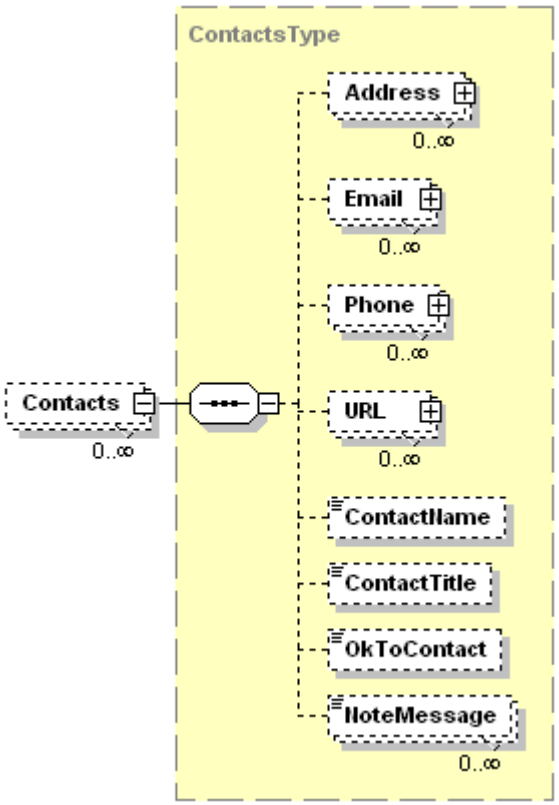
Tag Name	Schema Use	Description	Recommended Use	Format
[OrganizationIDGroup]	Required	Allowable Organization IDs - Exclusive choice	Recommended	minOcc 1 maxOcc 1
	Comment: *[OrganizationIDGroup] is not an XML tag and does not appear in an instance document. It requires the choice of one and only one of the following code set tags to identify the institution/organization*			
OPEID	Required Choice	Unique identifier assigned by the Office of Postsecondary Education for each data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 3 maxLen 8
	Comment: *The OPEID would not normally be an appropriate choice in this case since test scores are not normally generated by postsecondary institutions.*			
NCHELPID	Required Choice	Unique identifier assigned by National Council on Higher Education Loan Programs for each data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 3 maxLen 8
	Comment: *The NCHELPID would not normally be an appropriate choice in this case since high school test score reports are not normally generated by the financial aid world.*			
IPEDS	Required Choice	Unique identifier for Integrated Postsecondary Education Data System assigned by the National Center for Education Statistics for each postsecondary data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *The IPEDS would not normally be an appropriate choice in this case since test score reports are not normally generated by postsecondary institutions.*			
ATP	Required Choice	Unique identifier for the Admissions Testing Program assigned by the College Board for each data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment:*. Since ATP codes are normally issued only to postsecondary institutions, the use of this code to identify a secondary school is not recommended.*			
FICE	Required Choice	Unique identifier once maintained for the Federal Interagency Committee on Education by the National Center for Education Statistics for each postsecondary data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *Although the FICE code set is still widely used by many postsecondary institutions, it has not been maintained by NCES or anyone else since late in the last century. Therefore, codes for new institutions created since then have been locally assigned and cannot be relied upon. Since FICE codes were normally issued only to postsecondary institutions, the use of this code to identify a secondary school is not recommended.*			
ACT	Required Choice	Unique identifier for postsecondary educational institutions assigned by American College Testing available at www.act.org	Not Recommended	minOcc 0 maxOcc 1 minLen 4 maxLen 4
	Comment: *Since ACT codes are normally issued only to postsecondary institutions, the use of this code to identify a secondary school is not recommended.*			
CCD	Required Choice	Unique identifier assigned by National Center for Education Statistics as the Common Core of Data for each data exchange partner	Required choice Recommended	minOcc 0 maxOcc 1 minLen 12 maxLen 12
	Comment: *The CCD Is a recommended choice to identify secondary school senders.*			

Tag Name	Schema Use	Description	Recommended Use	Format
CEEBACT	Required Choice	Unique identifier assigned by the College Entrance Examining Board and ACT for each K-12 data exchange partner.	Required Choice Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *The CEEBACT code set is a preferred choice to identify secondary school senders.*			
CSIS	Required Choice	Unique identifier assigned by the Statistics Canada Canadian College Student Information System for each postsecondary data exchange partner.	Not Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *Since this code set is used to identify postsecondary schools in Canada, it is not a recommended choice.*			
USIS	Required Choice	Unique identifier assigned by the Statistics Canada University Student Information System for each data postsecondary exchange partner	Not Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 6
	Comment: *Since this code set is used to identify postsecondary schools in Canada, it is not a recommended choice.*			
ESIS	Required Choice	Unique identifier assigned by the Statistics Canada Enhanced Student Information System for each data postsecondary exchange partner	Not Recommended	minOcc 0 maxOcc 1 minLen 8 maxLen 8
	Comment: *The ESIS number would not be a normal choice to identify the sending Canadian school that created a Test score report.*			
PSIS	Required Choice	A seven digit Canadian code that identifies primary and secondary educational institutons	Not Recommended	minOcc 0 maxOcc 1 minLen 7 maxLen 7
	Comment: *This may be used of the code is not available in one of the other code sets such as CEEB.*			
DUNS	Required Choice	Data Universal Numbering System (DUNS), unique nine-character company identification number issued by Dun and Bradstreet Corporation.	Not Recommended	minOcc 0 maxOcc 1 minLen 9 maxLen 9
	Comment: *The DUNS number would not be a normal choice to identify the sending school that created a Test Score Report.*			
MutuallyDefined	Required		Optional	minLen 1 maxLen 80
	Comment: *End of OrganizationIDGroup choice set tags.*			
OrganizationName	Optional Repeatable	Name of Non-person entity such as Organization, Institution, Agency, or Business.	Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 60
	Comment: *This is the name of the sending agency.*			
Contacts	Optional	To identify a person or an office at the school identified with the self reported scores	Strongly Not Recommended	minOcc 0 maxOcc ∞
	Comment: *This element is included in this structure since the OrganizationType is used in other elements in this standard. However, because of it is not recommended for use in this element, detailed information will not be presented in this document.*			
NoteMessage	Optional Repeatable	Additional information about the organization	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Organization>
    <CEEBACT>440320</CEEBACT>
        <OrganizationName>Austin High School</OrganizationName>
        <OrganizationName>Austin Independent School District</OrganizationName>
        <Contacts>Main Office</Contacts>
</Organization>
```

TestStudent.SelfReportedAcademicRecord.School.Contacts

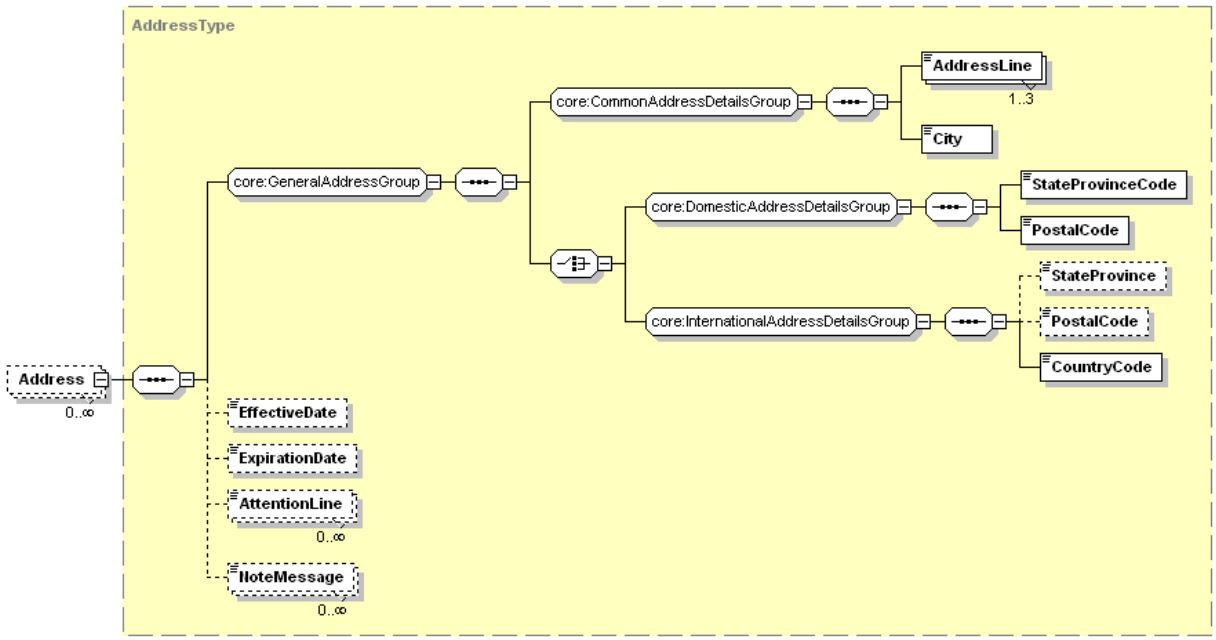


Tag Name	Schema Use	Description	Recommended Use	Format
Address	Optional Repeatable	Combined Address Group for a choice between Domestic or International	Optional	minOcc o maxOcc ∞
Email	Optional Repeatable	Email address of school contact	Recommended	minOcc o maxOcc ∞
Phone	Optional Repeatable	Phone number of school contact	Recommended	minOcc o maxOcc ∞
URL	Optional Repeatable	Uniform Resource Locator of the school	Optional	minOcc o maxOcc ∞
ContactName	Optional	Name of the contact at the sponsoring organization	Recommended	minOcc o maxOcc ∞ minLen 0 maxLen 60
ContactTitle	Optional	Job title or position of the contact at the sponsoring organization	Recommended	minOcc o maxOcc ∞ minLen 0 maxLen 60
OkToContact	Optional	If known, information the applicant has provided that it is OK to contact the person at the sponsoring organization about additional information	Optional	minOcc o maxOcc ∞ **Enumeration**: Yes No
NoteMessage	Optional Repeatable	Additional information about the contacts at the school	Not recommended	minOcc o maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Contacts>
    <Email>sample@notanemail.com</Email>
    <Phone>5555551234</Phone>
</Contacts>
```

TestStudent.SelfReportedAcademicRecord.School.Contacts.Address



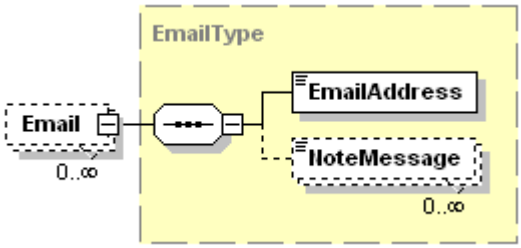
Tag Name	Schema Use	Description	Recommended Use	Format
GeneralAddressGroup	Required	This Address Group is for items common to all Addresses.	Required	minOcc 1 maxOcc 1
	Comment: *[GeneralAddressGroup] does not appear in the instance document. It requires the use of CommonAddressDetailsGroup and the choice of one of either DomesticAddressDetailsGroup or InternationalAddressDetailsGroup. This group is required in the schema only if you choose to send the address of the contact.*			
CommonAddressDetailsGroup	Required	This Address Group is for items common to all Addresses.	Required	minOcc 1 maxOcc 1
	Comment: *[CommonAddressDetailsGroup] does not appear in the instance document. If the address of a contact is included In the test score report, then this must be sent. It is required and must be paired with one of either DomesticAddressDetailsGroup or InternationalAddressDetailsGroup.*			
AddressLine	Required Repeatable	Local delivery information such as street, building number, PO box, or apartment portion of a postal address of a Contact at the school	Required	minOcc 1 maxOcc 3 minLen 1 maxLen 40
City	Required	City portion of the Address of a Contact at the school.	Required	minOcc 1 maxOcc 1 minLen 2 maxLen 30
DomesticAddressDetailsGroup	Required Choice	This Address Group is for items specific for US and Canadian Addresses.	Required for domestic addresses	minOcc 1 maxOcc 1
	Comment: *[DomesticAddressDetailsGroup] does not appear in the instance document. If the complex data element address has a United States or Canadian Postal Code and a US State or Canadian Province Code, then this should be the required choice.*			

Tag Name	Schema Use	Description	Recommended Use	Format
StateProvinceCode	Required	Code for US states, etc., and Canadian provinces	Required	minOcc 0 maxOcc ∞ **Enumeration:** See Appendix A
PostalCode	Required	Postal code portion of the Address	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 17
InternationalAddressDetailsGroup	Required Choice	This Address Group is for items specific for International Addresses.	Required for international addresses	minOcc 1 maxOcc 1
	Comment: *[*InternationalAddressDetailsGroup*] does not appear in the instance document. This choice is for addresses that do not have a US or Canadian postal code.*			
StateProvince	Optional	Literal name of the state, province, or territory of a postal address of the listed school. Use for addresses outside US or Canada.	Recommended Refer to common postal practices of the source country	minOcc 0 maxOcc 1 minLen 2 maxLen 30
	Comment: *For an internet resource of states or other geographical subdivisions in countries other than the US and Canada, you might choose to refer to the website of the Universal Postal Union at http://www.upu.int*			
PostalCode	Optional	Postal code portion of the Address.	Recommended Refer to common postal practices of the source country	minOcc 0 maxOcc 1 minLen 1 maxLen 17
	Comment: *For an internet resource of states or other geographical subdivisions in countries other than the US and Canada, you might choose to refer to the website of the Universal Postal Union at http://www.upu.int*			
CountryCode	Required	Code indicating Country.	Required	minOcc 1 maxOcc 1 **Enumerations:** See Appendix B
EffectiveDate	Optional	Date on which the address became (or will become) effective		minOcc 0 maxOcc 1 **Format:**: CCYY
ExpirationDate	Optional	Date on which the address expired (or will expire)		minOcc 0 maxOcc 1 **Format:**: CCYY
AttentionLine	Optional	The individual or office name within the postal address where inquiries should be directed	Optional	minOcc 0 maxOcc ∞ minLen 1 maxLen 45
	Comment: *This might be used to indicate where questions about the record should be sent.*			
NoteMessage	Optional Repeatable	Additional information about the addresses of the contacts at the school	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Address>
    <GeneralAddressGroup>
        <CommonAddressDetailsGroup>
            <AddressLine>123 Street</AddressLine>
            <City>CityName</City>
        </CommonAddressDetailsGroup>
        <DomesticAddressDetailsGroup>
            <StateProvinceCode>OR</StateProvinceCode>
            <PostalCode>12345</PostalCode>
        </DomesticAddressDetailsGroup>
    </GeneralAddressGroup>
</Address>
```

TestStudent.SelfReportedAcademicRecord.School.Contacts.Email

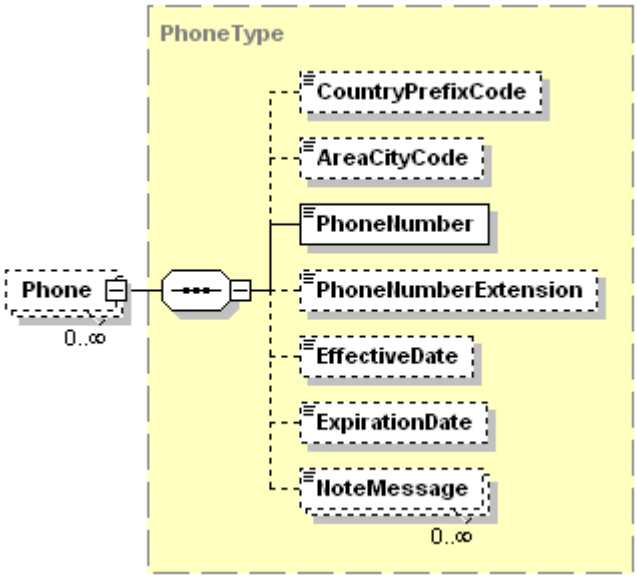


Tag Name	Schema Use	Description	Recommended Use	Format
EmailAddress	Required	Numbers, letters, and symbols used to identify an electronic mail (Email) user within a network	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 128
Note Message	Optional Repeatable	Additional information about the birth of the student.	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Email>
    <EmailAddress>stewartj@notreal.com</EmailAddress>
</Email>
```

TestStudent.SelfReportedAcademicRecord.School.Contacts.Phone

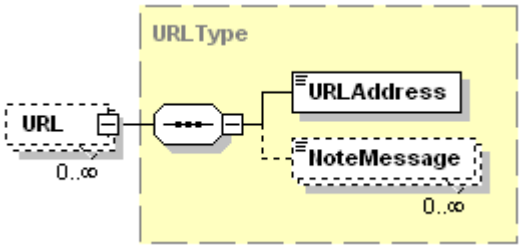


Tag Name	Schema Use	Description	Recommended Use	Format
CountryPrefixCode	Optional	International dialing code	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 3
AreaCityCode	Optional	Regional dialing code	Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 5
	Comment: *For phone numbers in the United States and Canada, this is the normal three-digit area code.*			
PhoneNumber	Required	Telephone number	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 11
PhoneNumberExtension	Optional	The extended telephone addressing information used in addition to phone number such as a PBX extension, a pager PIN, or FAX sub-address	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 5
EffectiveDate	Optional	Date on which the address became (or will become) effective		minOcc 0 maxOcc 1 **Format**: CCYY
ExpirationDate	Optional	Date on which the address expired (or will expire)		minOcc 0 maxOcc 1 **Format**: CCYY
NoteMessage	Optional Repeatable	Additional information about the phone number	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<Phone>
    <AreaCityCode>512</AreaCityCode>
    <PhoneNumber>8888888</PhoneNumber>
</Phone>
```

TestStudent.SelfReportedAcademicRecord.School.Contacts.URL

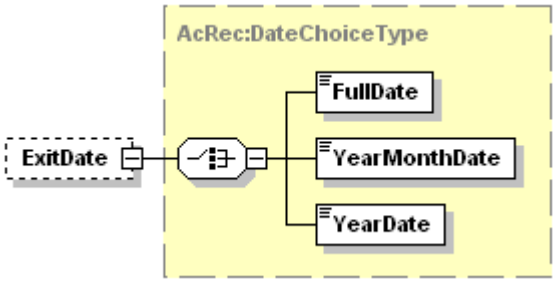


Tag Name	Schema Use	Description	Recommended Use	Format
URLAddress	Required	The Uniform Resource Locator (URL) address associated with a school	Required	minOcc 1 maxOcc 1 minLen 0 maxLen 512
NoteMessage	Optional Repeatable	Additional information about the URL	Not recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<URL>
    <URLAddress>www.notarealurl.com</URLAddress>
</URL>
```

TestStudent.SelfReportedAcademicRecord.ExitDate

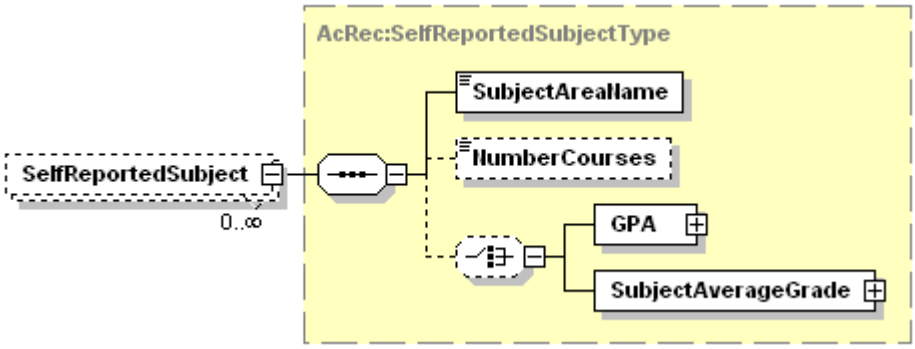


Tag Name	Schema Use	Description	Recommended Use	Format
FullDate	Required Choice	Test administration date	Required (use one)	minOcc 1 maxOcc 1 **Format:** CCYY-MM-DD
	Comment: *If exit date is used then one of the dates is required. Use this choice if exact exit date is known.*			
YearMonthDate	Required Choice	Test administration date	Required (use one)	minOcc 1 maxOcc 1 **Format:** CCYY-MM
	Comment: *Use this choice if only the year and the month of exit is known.*			
YearDate	Required Choice	Test administration date	Required (use one)	minOcc 1 maxOcc 1 **Format:** CCYY
	Comment: *Use this choice if only the year of exit is known.*			

Code Example:

```
<ExitDate>
    <YearMonthDate>2007-06</YearMonthDate>
</ExitDate>
```

TestStudent.SelfReportedAcademicRecord.SelfReportedSubject

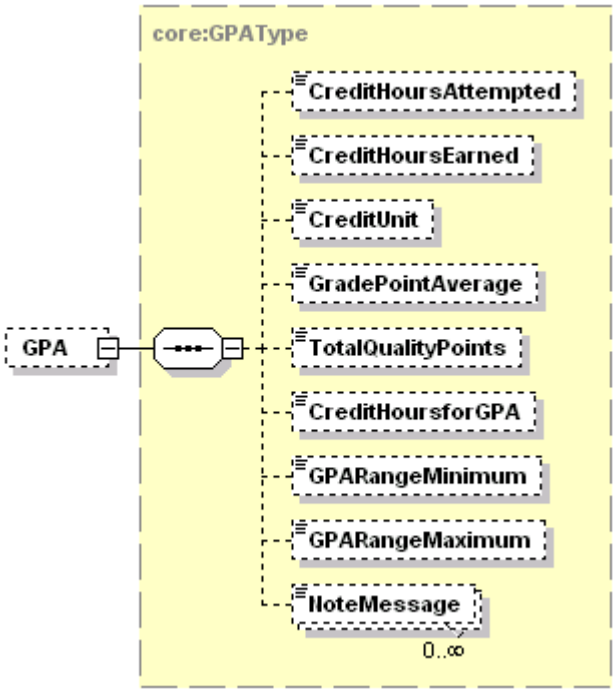


Tag Name	Schema Use	Description	Recommended Use	Format
SubjectAreaName	Required	Name of the general subject area for which a grade is given (e.g., English)	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 80
NumberCourses	Optional	Number of courses that were taken in this subject area	Optional	minOcc 0 maxOcc 1 **Type:** PositiveInteger
	Comment: *An average may be expressed as a GPA or Subject Average Grade. If performance is recorded then choose one of the following:*			
GPA	Optional Choice	GPA for the subject area	Optional Choice	minOcc 0 maxOcc 1
SubjectAverageGrade	Optional Choice	Average grade for the subject area	Optional Choice	minOcc 0 maxOcc 1

Code Example:

```
<SelfReportedSubject>
    <SubjectAreaName>English</SubjectAreaName>
    <NumberCourses>4</NumberCourses>
    <GPA>
        Subelements Omitted
    </GPA>
</SelfReportedSubject>
```

TestStudent.SelfReportedAcademicRecord.SelfReportedSubject.GPA



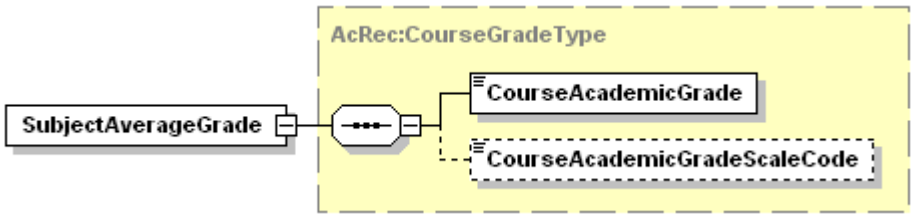
Tag Name	Schema Use	Description	Recommended Use	Format
CreditHoursAttempted	Optional	Total value of credit hours attempted whether or not included in the hours for GPA or hours earned	Not Recommended	minOcc 0 maxOcc 1 xs:decimal
CreditHoursEarned	Optional	Total value of credit hours successfully completed or earned	Not Recommended	minOcc 0 maxOcc 1 xs:decimal
CreditUnit	Optional	Type of credit (unit, semester, or quarter) associated with the credit hours earned for the course	Not Recommended	minOcc 0 maxOcc 1 **Enumeration:** NoCredit Quarter Semester Units ClockHours CarnegieUnits ContinuingEducationUnits Unreported Other
GradePointAverage	Optional	Value of the total quality points divided by the Credit Hours for Grade Point Average.	Recommended	minOcc 0 maxOcc 1 xs:decimal
TotalQualityPoints	Optional	Total value of quality points used for the calculation of the Grade Point Average	Not Recommended	minOcc 0 maxOcc 1 xs:decimal
CreditHoursforGPA	Optional	Total value of credit hours used to calculate the Grade Point Average	Not Recommended	minOcc 0 maxOcc 1 xs:decimal

Tag Name	Schema Use	Description	Recommended Use	Format
	Comment: *If a student earned grades of A (worth 4 grades points per unit) in 3 Carnegie Units in this program for this diploma; grades of F (worth 0 points per unit) in 4 units; and withdrew from 5 units, then the total credit hours for GPA for this diploma and this program would be "7".*			
GPARangeMinimum	Optional	Minimum possible GPA	Recommended	minOcc 0 maxOcc 1 xs:decimal
	Comment: *If the lowest possible grade is an F and a grade of F is valued at 0 grade points, then this value would be "0", or "0.0" or "0.00".*			
GPARangeMaximum	Optional	Maximum possible GPA	Recommended	minOcc 0 maxOcc 1 xs:decimal
	Comment: *If the highest possible grade is an A and a grade of A is valued at 4 grade points, then this value would be "4" or "4.0" or "4.00", etc.*			
NoteMessage	Optional Repeatable	Additional information about the GPA	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80
Comment: *A student's GPA for a specific program within the Award or Diploma would not normally be included in a test score report so this entire section of the schema would not normally be included.*				

Code Example:

```
<GPA>
    <GradePointAverage>3.75</GradePointAverage>
    <GPARangeMinimum>0</GPARangeMinimum>
    <GPARangeMaximum>4</GPARangeMaximum>
</GPA>
```

TestStudent.SelfReportedAcademicRecord.SelfReportedSubject. SubjectAverageGrade

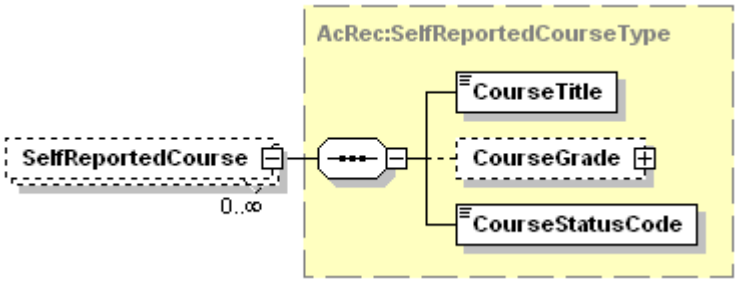


Tag Name	Schema Use	Description	Recommended Use	Format
CourseAcademicGrade	Required	Self-reported average grade for the subject area	Recommended	minOcc 1 maxOcc 1 minLen 1 maxLen 10 See Appendix D
CourseAcademicGradeScaleCode	Optional	Grade Scale specified in Appendix D	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 3 See Appendix D

Code Example:

```
<SubjectAverageGrade>
    <CourseAcademicGrade>C+</CourseAcademicGrade>
    <CourseAcademicGradeScaleCode>01</CourseAcademicGradeScaleCode>
</SubjectAverageGrade>
```

TestStudent.SelfReportedAcademicRecord.SelfReportedCourse

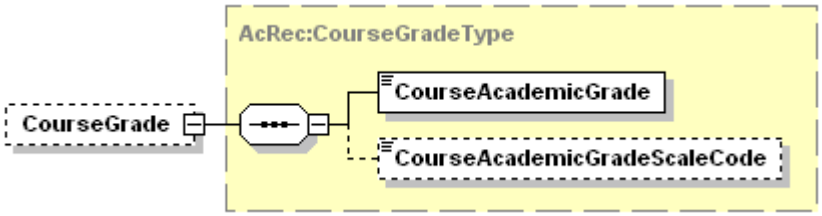


Tag Name	Schema Use	Description	Recommended Use	Format
CourseTitle	Required	Generic name of the course	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 60
CourseGrade	Optional	Grade for the course	Optional	minOcc 0 maxOcc 1
CourseStatusCode	Required	Status of this course. This field is required if CourseAcademicGrade is used.	Required	minOcc 1 maxOcc 1 **Enumeration:** InProcess NotTaken Planned Taken

Code Example:

```
<SelfReportedCourse>
    <CourseTitle>English 9</CourseTitle>
    <CourseGrade>A</CourseGrade>
    <CourseStatus>Taken</CourseStatus>
</SelfReportedCourse>
<SelfReportedCourse>
    <CourseTitle>Calculus I</CourseTitle>
    <CourseStatusCode>Planned</CourseStatusCode>
</SelfReportedCourse> [repeat as needed]
```

TestStudent.SelfReportedAcademicRecord.CourseGrade.CourseAcademicGrade

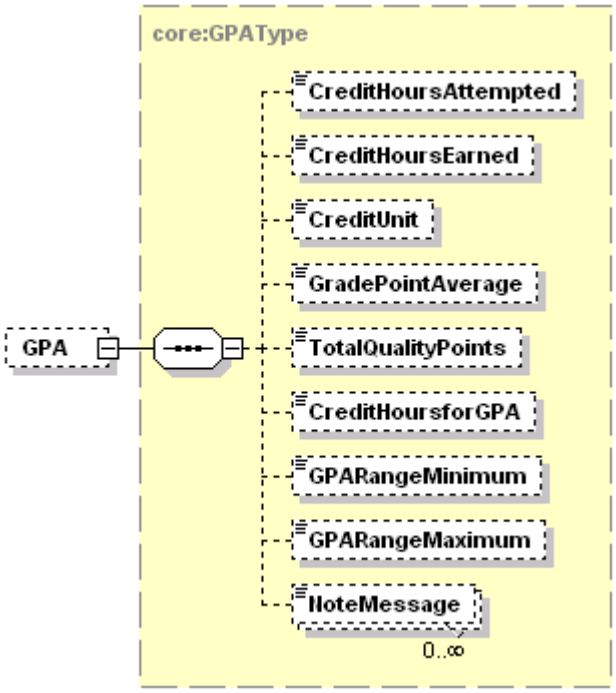


Tag Name	Schema Use	Description	Recommended Use	Format
CourseAcademicGrade	Required	Self-reported average grade for the subject area	Recommended	minOcc 1 maxOcc 1 minLen 1 maxLen 10 See Appendix D
	Comment: *CourseAcademicGrade is required only if CourseGrade Element is present.*			
CourseAcademicGradeScaleCode	Optional	Grade Scale specified in Appendix D	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 3 See Appendix D

Code Example:

```
<CourseGrade>
    <CourseAcademicGrade>C+</CourseAcademicGrade>
    <CourseAcademicGradeScaleCode>01</CourseAcademicGradeScaleCode>
</CourseGrade>
```

TestStudent.SelfReportedAcademicRecord.GPA



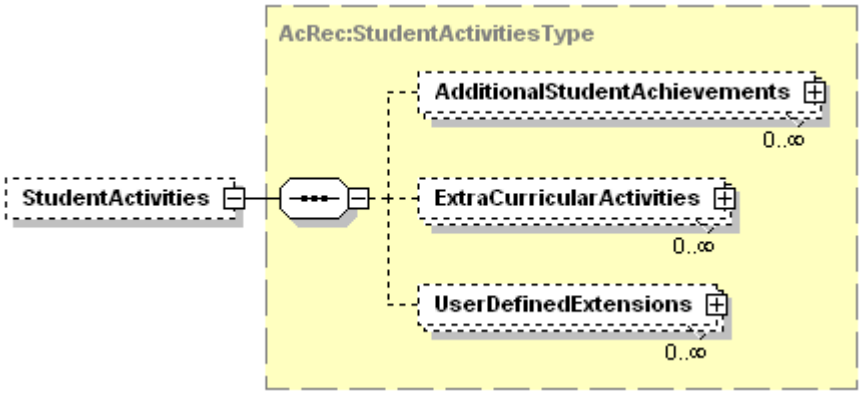
Tag Name	Schema Use	Description	Recommended Use	Format
CreditHoursAttempted	Optional	Total value of credit hours attempted whether or not included in the hours for GPA or hours earned	Not Recommended	minOcc 0 maxOcc 1 xs:decimal
CreditHoursEarned	Optional	Total value of credit hours successfully completed or earned	Not Recommended	minOcc 0 maxOcc 1 xs:decimal
CreditUnit	Optional	Type of credit (unit, semester, or quarter) associated with the credit hours earned for the course	Not Recommended	minOcc 0 maxOcc 1 **Enumeration:** NoCredit Quarter Semester Units ClockHours CarnegieUnits ContinuingEducationUnits Unreported Other
GradePointAverage	Optional	The value of the total quality points divided by the Credit Hours for Grade Point Average.	Recommended	minOcc 0 maxOcc 1 xs:decimal
TotalQualityPoints	Optional	Total value of quality points used for the calculation of the Grade Point Average	Not Recommended	minOcc 0 maxOcc 1 xs:decimal
CreditHoursforGPA	Optional	Total value of credit hours used to calculate the Grade Point Average	Not Recommended	minOcc 0 maxOcc 1 xs:decimal

Tag Name	Schema Use	Description	Recommended Use	Format
	Comment: *If a student earned grades of A (worth 4 grades points per unit) in 3 Carnegie Units in this program for this diploma; grades of F (worth 0 points per unit) in 4 units; and withdrew from 5 units, then the total credit hours for GPA for this diploma and this program would be "7".*			
GPARangeMinimum	Optional	Minimum possible GPA	Recommended	minOcc 0 maxOcc 1 xs:decimal
	Comment: *If the lowest possible grade is an F and a grade of F is valued at 0 grade points, then this value would be "0", or "0.0" or "0.00".*			
GPARangeMaximum	Optional	Maximum possible GPA	Recommended	minOcc 0 maxOcc 1 xs:decimal
	Comment: *If the highest possible grade is an A and a grade of A is valued at 4 grade points, then this value would be "4" or "4.0" or "4.00", etc.*			
NoteMessage	Optional Repeatable	Additional information about the GPA	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80
Comment: *A student's GPA for a specific program within the Award or Diploma would not normally be included in a test score report so this entire section of the schema would not normally be included.*				

Code Example:

```
<GPA>
    <GradePointAverage>3.75</GradePointAverage>
    <GPARangeMinimum>0</GPARangeMinimum>
    <GPARangeMaximum>4</GPARangeMaximum>
</GPA>
```

TestStudent.StudentActivities

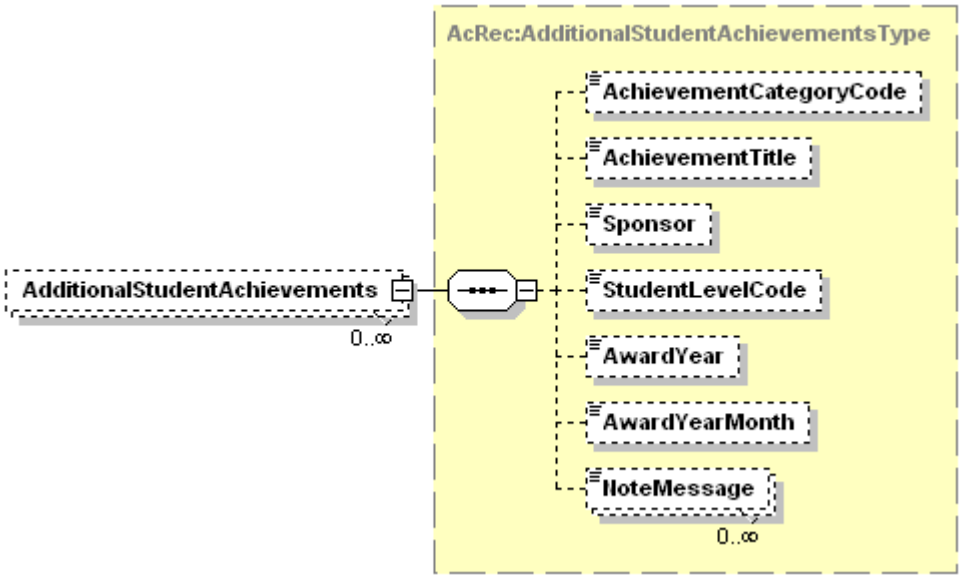


Tag Name	Schema Use	Description	Recommended Use	Format
AdditionalStudentAchievements	Optional	Details applicant achievements not described elsewhere	Optional	minOcc 0 maxOcc ∞
ExtraCurricularActivities	Optional	Details applicant participation in extracurricular activities	Optional	minOcc 0 maxOcc ∞
UserDefinedExtensions	Optional	Provides for additional activities not covered by extracurricular activities and additional student achievements	Not Recommended	minOcc 0 maxOcc 1

Code Example:

```
<StudentActivities>
    <AdditionalStudentAchievements>
        SubElements omitted to save space
    </AdditionalStudentAchievements>
    <ExtraCurricularActivity>
        SubElements omitted to save space
    </ExtraCurricularActivity>
</StudentActivities>
```

TestStudent.StudentActivities.AdditionalStudentAchievements

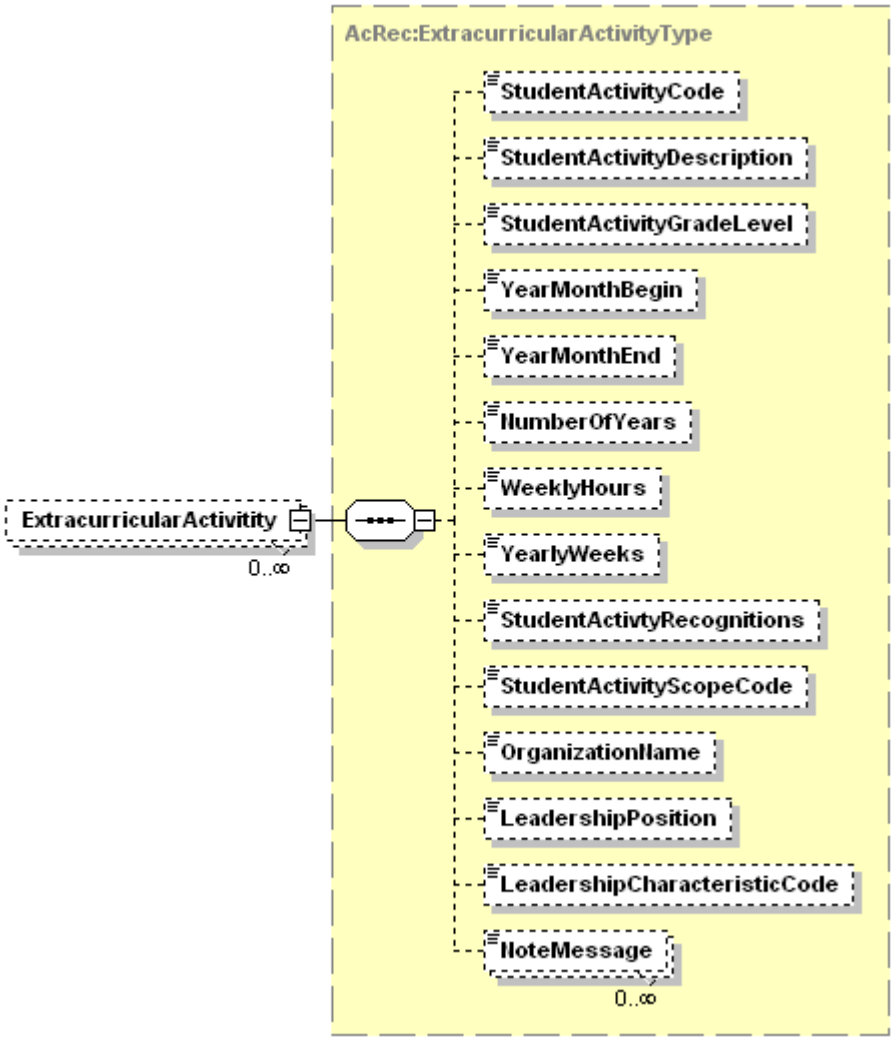


Tag Name	Schema Use	Description	Recommended Use	Format
AchievementCategoryCode	Optional	Category for the achievement	Optional	minOcc 0 maxOcc 1 **Enumerations:** Academic Arts Athletic BusinessEmployment CommunityService Leadership Other
AchievementTitle	Optional	Name or Title of the achievement earned by the student	Recommended	minOcc 0 maxOcc 1 minLen 0 maxLen 60
Sponsor	Optional	Organization, company, school, person, etc. that sponsored the award	Optional	minOcc 0 maxOcc 1 minLen 0 maxLen 80
StudentLevelCode	Optional	Level of the student when the achievement was earned or awarded	Optional	minOcc 0 maxOcc 1 **Enumerations:** See Appendix C
AwardYear	Optional	Year the achievement was earned or presented	Optional	minOcc 0 maxOcc 1 **Format:** CCYY
AwardYearMonth	Optional	Year and month the achievement was earned or presented	Optional	minOcc 0 maxOcc 1 **Format**: CCYY-MM
NoteMessage	Optional Repeatable	Additional information about the Additional Student Achievement	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<AdditionalStudentAchievements>
    <AchievementCategoryCode>Athletic</AchievementCategoryCode>
    <AchievementTitle>Football Star of the Year</AchievementTitle>
    <StudentLevelCode>CollegeFirstYearAttendedBefore</StudentLevelCode>
    <AwardYearMonth>2006-05</AwardYearMonth>
</AdditionalStudentAchievements>
```

TestStudent.StudentActivities.ExtracurricularActivity



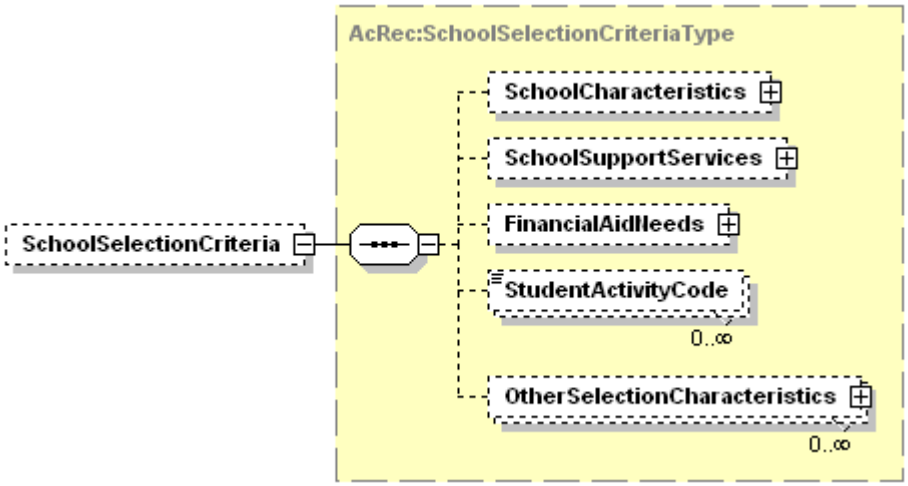
Tag Name	Schema Use	Description	Recommended Use	Format
StudentActivityCode	Optional	Code that identifies the Activity	Recommended	minOcc 0 maxOcc 1 **Enumerations:** See Appendix H
StudentActivityDescription	Optional	Description of the Activity	Recommended	minOcc 0 maxOcc 1 minLen 0 maxLen 60
StudentActivityGradeLevel	Optional	Grade level of the applicant when they participated in the activity	Optional	minOcc 0 maxOcc 1 **Enumerations:** See Appendix C
YearMonthBegin	Optional	Month and year the applicant began participating	Optional	minOcc 0 maxOcc 1 **Format**: CCYY-MM
YearMonthEnd	Optional	Month and year the applicant stopped participating	Optional	minOcc 0 maxOcc 1 **Format**: CCYY-MM

Tag Name	Schema Use	Description	Recommended Use	Format
NumberOfYears	Optional	How many years the applicant participated	Optional	minOcc 0 maxOcc 1 **Format**: integer
WeeklyHours	Optional	How many hours per week the applicant participated	Optional	minOcc 0 maxOcc 1 **Format**: integer
YearlyWeeks	Optional	How many weeks per year the applicant participated	Optional	minOcc 0 maxOcc 1 **Format**: integer
StudentActivitiyRecognitions	Optional	Any recognitions earned as the result of participating in this activity	Optional	minOcc 0 maxOcc 1 minLen 0 maxLen 60
StudentActivityScopeCode	Optional	Regional scope of the activity	Optional	minOcc 0 maxOcc 1 **Enumerations:** International Local National Regional
OrganizationName	Optional	Sponsoring organization of the activity	Optional	minOcc 0 maxOcc 1 minLen 0 maxLen 60
LeadershipPosition	Optional	Name or description of the leadship position held by the student	Optional	minOcc 0 maxOcc 1 minLen 0 maxLen 80
LeadershipCharacteristicCode	Optional	The characteristic of the leadship position	Optional	minOcc 0 maxOcc 1 **Enumerations:** Elected NonElected
NoteMessage	Optional Repeatable	Additional information about the activity	Not Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 80

Code Example:

```
<ExtracurricularActivity>
    <StudentActivityCode>FTB</StudentActivityCode>
    <StudentActivityDescription>Football team member</StudentActivityDescription>
    <StudentActivityGradeLevel>Grade10</StudentActivityGradeLevel>
    <YearMonthBegin>2001-09</YearMonthBegin>
    <YearMonthEnd>2002-06</YearMonthEnd>
    <NumberOfYears>1</NumberOfYears>
    <WeeklyHours>10</WeeklyHours>
    <YearlyWeeks>32</YearlyWeeks>
    <StudentActivityRecognitions>Most Often Benched</StudentActivityRecognitions>
    <ActivityScopeCode>Local</ActivityScopeCode>
    <OrganizationName>Tires R Us</OrganizationName>
    <LeadershipPosition>None</LeadershipPosition>
</ExtracurricularActivity>
```

TestStudent.SchoolSelectionCriteria

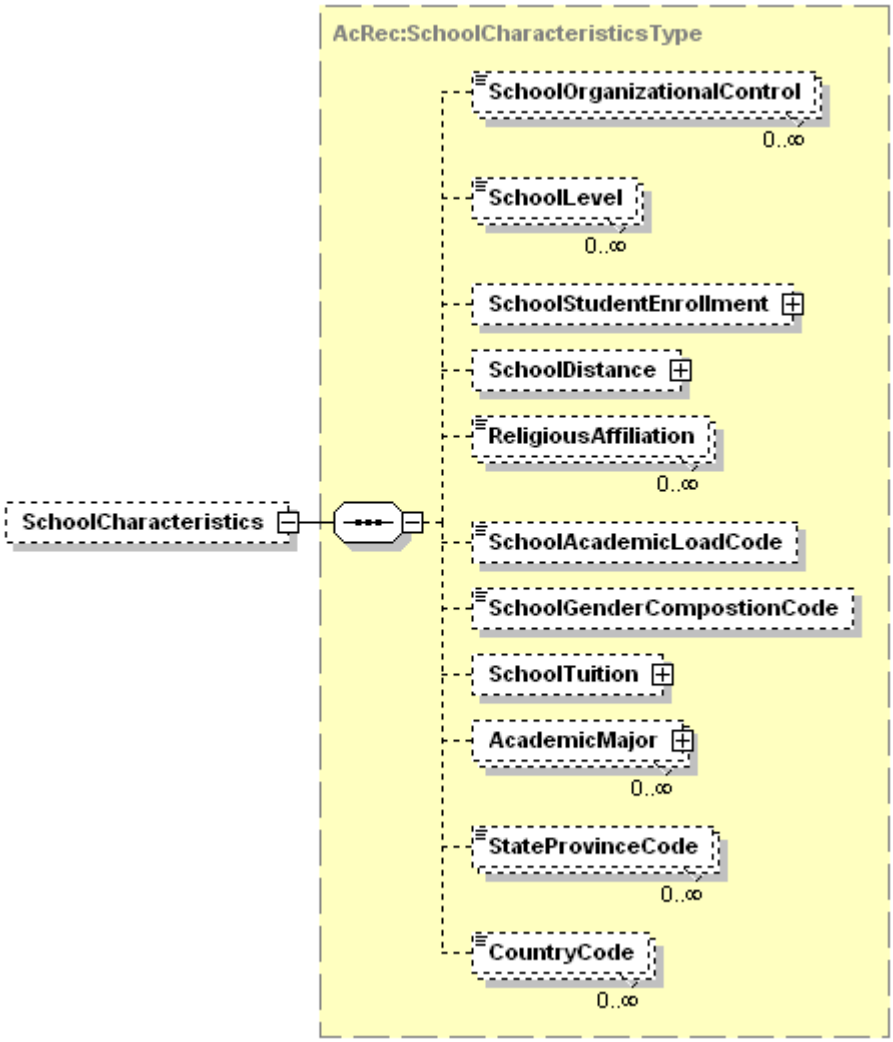


Tag Name	Schema Use	Description	Recommended Use	Format
SchoolCharacteristics	Optional	Identifies the characteristics of the school that the student wants to attend	Optional	minOcc 0 maxOcc 1
SchoolSupportServices	Optional	Identifies the services that the student wants a school to provide.	Optional	minOcc 0 maxOcc 1
FinancialAidNeeds	Optional	Identifies the financial aid needed and the student characteristics that affect financial aid	Optional	minOcc 0 maxOcc 1
StudentActivityCode	Optional	Identifies the needs of the student for extracurricular activities such as sports, music, or drama	Optional	minOcc 0 maxOcc 1 See Appendix H
OtherSelectionCharacteristics	Optional	Identifies other information that is not included in the other areas and may not be anticipated	Optional	minOcc 0 maxOcc ∞

Code Example:

```
<SchoolSelectionCriteria>
    <SchoolCharacteristics>
        SubElements omitted to save space
    </SchoolCharacteristics>
    <SchoolSupportServices>
        SubElements omitted to save space
    </SchoolSupportServices>
    <FinancialAidNeeds>
        SubElements omitted to save space
    </FinancialAidNeeds>
    <StudentActivityCode>VolleyBall</StudentActivityCode>
</SchoolSelectionCriteria>
```

TestStudent.SchoolSelectionCriteria.SchoolCharacteristics



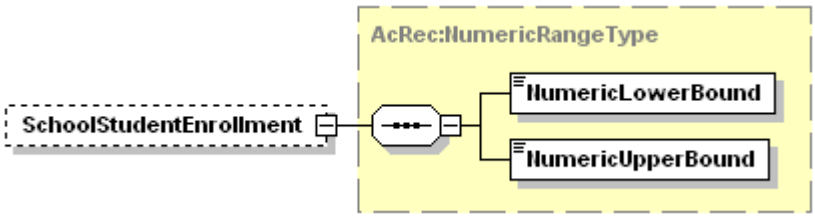
Tag Name	Schema Use	Description	Recommended Use	Format
SchoolOrganizationalControl	Optional	Indicates the student's preference for Public or Private schools	Optional	minOcc 0 maxOcc ∞ **Enumeration:** PrivateNonProfit PrivateForProfit Public
SchoolLevel	Optional	Indicates the educational level of the school that the student wishes to attend	Optional	minOcc 0 maxOcc ∞ **Enumeration:** Elementary Secondary Postsecondary
SchoolStudentEnrollment	Optional	Indicates the student's preference for the size of the student enrollment	Optional	minOcc 0 maxOcc 1
SchoolDistance	Optional	Indicates the preferred distance to the school from the student's home	Optional	minOcc 0 maxOcc 1

Tag Name	Schema Use	Description	Recommended Use	Format
ReligiousAffiliationCode	Optional	Code Indicating the preferred religious affiliation of the school	Optional	minOcc 0 maxOcc ∞ minLen 2 maxLen 2 See Appendix J
SchoolAcademicLoadCode	Optional	Code reflecting if the student plans to attend full time	Optional	minOcc 0 maxOcc 1 **Enumeration**: FullTime PartTime
SchoolGenderCompsitionCode	Optional	Indicates the desired gender make up of the school	Optional	minOcc 0 maxOcc 1 **Enumeration:** AllFemale AllMale Coeducational NoPreference
SchoolTuition	Optional	Indicates the tuition the student can afford	Optional	minOcc 0 maxOcc 1 tsr:NumericRangeType
AcademicMajor	Optional	Indicates the academic major area(s) of interest	Optional	minOcc 0 maxOcc ∞
StateProvinceCode	Optional	Preferred state or Canadian Province location of the school	Optional	minOcc 0 maxOcc ∞ **Enumeration:** Core: StateProvinceCodeType
CountryCode	Optional	Preferred country location of the school		minOcc 0 maxOcc ∞ **Enumeration:** Core: CountyCodeType

Code Example:

```
<SchoolCharacteristics>
    <SchoolOrganizationalControl>PrivateForProfit</SchoolOrganizationalControl>
    <SchoolLevel>BacheloriateCollege</SchoolLevel>
    <SchoolLevel>Graduate School</SchoolLevel>
    <SchoolStudentEnrollment>
        SubElements omitted to save space
    </SchoolStudentEnrollment>
    <ReligiousAffiliationCode>Lutheran</ReligiousAffiliationCode>
    <SchoolAcademicLoadCode>PartTime</SchoolAcademicLoadCode>
    <SchoolGenderCompositionCode>AllFemale</SchoolGenderCompositionCode>
    <SchoolTuition>
        SubElements omitted to save space
    </SchoolTuition>
    <StateProvinceCode>Nebraska</StateProvinceCode>
    <CountryCode>UnitedStates</CountryCode>
</SchoolCharacteristic>
```

TestStudent.SchoolSelectionCriteria.SchoolCharacteristics. SchoolStudentEnrollment



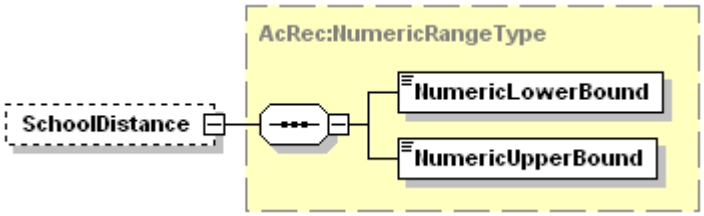
Tag Name	Schema Use	Description	Recommended Use	Format
NumericLowerBound	Required	Indicates the minimum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericLowerBound is interpreted as including the value specified for the element.	Required	**Type:** xs:boolean
NumericUpperBound	Required	Indicates the maximum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericUpperBound is interpreted as including the value specified for the element.	Required	**Type**: xs:boolean

Comment: *The attribute defines interpretation of the value of the element. In this case, "inclusive" is true then the number specified in the LowerBound and UpperBound fields will be part of the range. Ex: a LowerBound of 100 would mean "equal to or greater than 100".*

Code Example:

```
<SchoolStudentEnrollment>
    <NumericLowerBound inclusive='true'>500</NumericLowerBound>
    <NumericUpperBound inclusive='false'>1000</NumericUpperBound>
</SchoolStudentEnrollment>
```

TestStudent.SchoolSelectionCriteria.SchoolCharacteristics.SchoolDistance



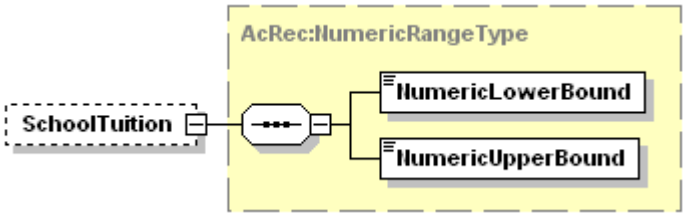
Tag Name	Schema Use	Description	Recommended Use	Format
NumericLowerBound	Required	Indicates the minimum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericLowerBound is interpreted as including the value specified for the element.	Required	**Type:** xs:boolean
NumericUpperBound	Required	Indicates the maximum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericUpperBound is interpreted as including the value specified for the element.	Required	**Type**: xs:Boolean

Comment: *The attribute defines interpretation of the value of the element. In this case, "inclusive" is true then the number specified in the LowerBound and UpperBound fields will be part of the range. Ex: a LowerBound of 100 would mean "equal to or greater than 100".*

Code Example:

```
<SchoolDistance>
    <NumericLowerBound inclusive='true'>10</NumericLowerBound>
    <NumericUpperBound inclusive='false'>100</NumericUpperBound>
</SchoolDistance>
```

TestStudent.SchoolSelectionCriteria.SchoolCharacteristics.SchoolTuition



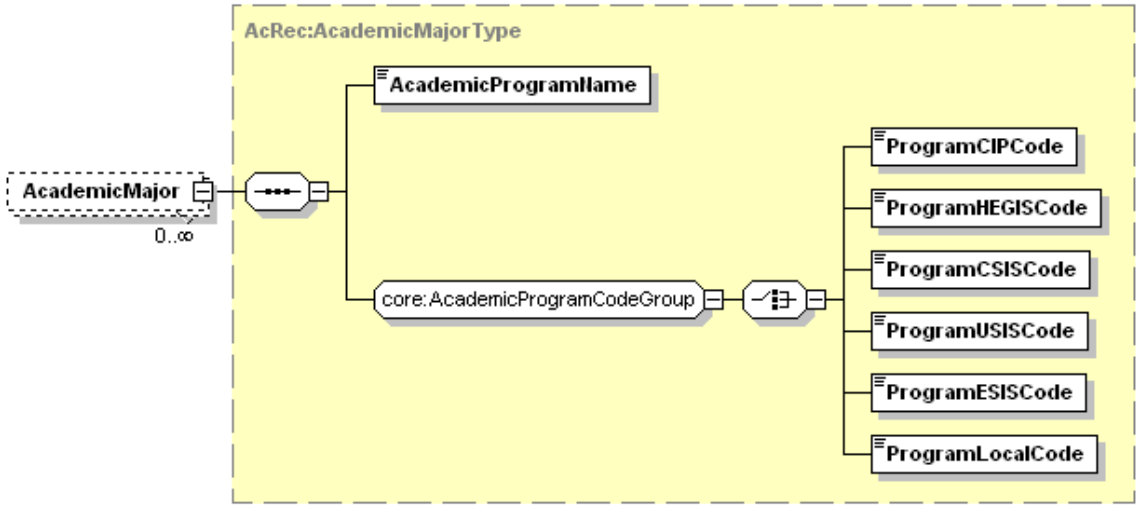
Tag Name	Schema Use	Description	Recommended Use	Format
NumericLowerBound	Required	Indicates the minimum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericLowerBound is interpreted as including the value specified for the element.	Required	**Type:** xs:boolean
NumericUpperBound	Required	Indicates the maximum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericUpperBound is interpreted as including the value specified for the element.	Required	**Type**: xs:Boolean

Comment: *The attribute defines interpretation of the value of the element. In this case, "inclusive" is true then the number specified in the LowerBound and UpperBound fields will be part of the range. Ex: a LowerBound of 100 would mean "equal to or greater than 100".*

Code Example:

```
<SchoolTuition>
    <NumericLowerBound inclusive='true'>10</NumericLowerBound>
    <NumericUpperBound inclusive='false'>100</NumericUpperBound>
</SchoolTuition>
```

TestStudent.SchoolSelectionCriteria.SchoolCharacteristics.AcademicMajor

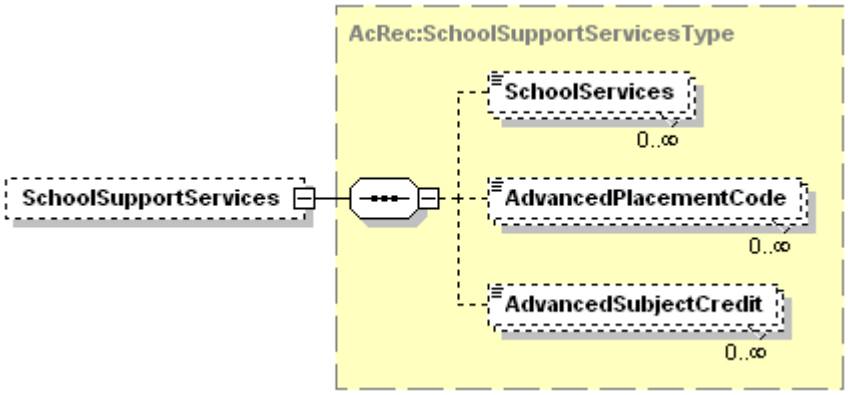


Tag Name	Schema Use	Description	Recommended Use	Format
AcademicProgramName	Required	Indicates the name of an academic area in which the student is interested	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 60 **Type:** xs:string
ProgramCIPCode	Required Choice	Code indicating a discipline or field of study assigned by the Classification of Instructional Programs	Recommended	minOcc 0 maxOcc 1 minLen 6 maxLen 20 **Type:** xs:string
ProgramHEGISCode	Required Choice	Code indicating a discipline or field of study by Higher Education General Information Survey	Optional	minOcc 0 maxOcc 1 minLen 6 maxLen 20
ProgramCSISCode	Required Choice	Code indicating a discipline or field of study assigned by Statistics Canada Canadian College Student Information System	Optional	minOcc 0 maxOcc 1 minLen 5 maxLen 5
ProgramUSISCode	Required Choice	Code indicating a discipline or field of study assigned by the Statistics Canada University Student Information System	Optional	minOcc 0 maxOcc 1 minLen 5 maxLen 5
ProgramESISCode	Required Choice	Code indicating a discipline or field of study assigned by the Statistics Canada Enhanced Student Information System	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 20
ProgramLocalCode	Required Choice	Code indicating a specific program (with options, if any) that the student selects from a list of available programs	Not Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 20

Code Example:

```
<AcademicMajor>
    <AcademicProgramName>Biochemistry</AcademicProgramName>
    <ProgramCIPCode>26.0202</ProgramCIPCode>
</AcademicMajor>
```

TestStudent.SchoolSelectionCriteria.SchoolSupportServices

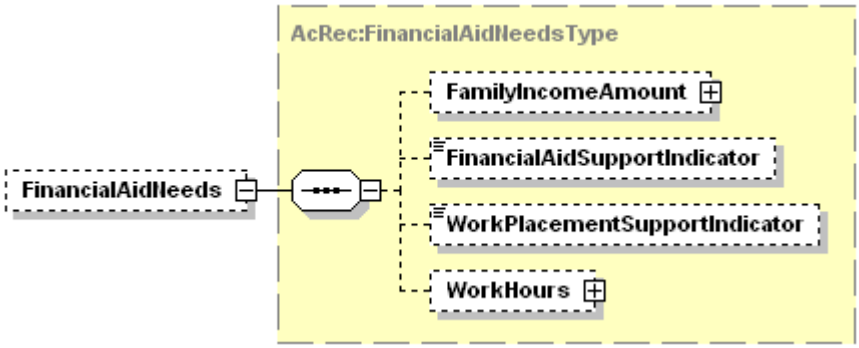


Tag Name	Schema Use	Description	Recommended Use	Format
SchoolServices	Optional	Indicates the special services needed by the student	Optional	minOcc 0 maxOcc ∞ **Enumeration:** CareerPlanning ForiegnStudy FreshmanHonors Mathematics PsychologicalCounseling Reading StudySkills Writing
AdvancedPlacementCode	Optional	Identifies the course areas for which the student would like to obtain advanced placement.	Optional	minOcc 0 maxOcc ∞ **Enumeration:** See Appendix G
AdvancedSubjectCredit	Optional	Identifies the course areas for which the student would like to obtain advanced credit	Optional	minOcc 0 maxOcc ∞ **Enumeration:** See Appendix G

Code Example:

```
<SchoolSupportServices>
    <SchoolServices>FreshmanHonors</SchoolServices>
    <AdvancedPlacementCode>CalculusAB</AdvancedPlacementCode>
    <AdvancedPlacementCode>ComputerScienceAB</AdvancedPlacementCode>
    <AdvancedPlacementCode>PhysicsB</AdvancedPlacementCode>
    <AdvancedSubjectCredit>ComputerScienceA</AdvancedSubjectCredit>
</SchoolSupportServices>
```

TestStudent.SchoolSelectionCriteria.FinancialAidNeeds

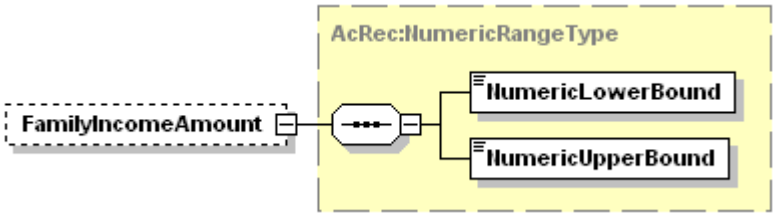


Tag Name	Schema Use	Description	Recommended Use	Format
FamilyIncomeAmount	Optional	Range of the income for aid purposes	Optional	minOcc 0 maxOcc 1
FinancialAidSupportIndicator	Optional	A flag indicating if the student needs financial aid	Optional	minOcc 0 maxOcc 1
WorkPlacementSupportIndicator	Optional	Indicates if the student needs help in finding a part-time job	Optional	minOcc 0 maxOcc 1
WorkHours	Optional	Indicates the range of the number of hours the student would like to work	Optional	minOcc 0 maxOcc 1

Code Example:

```
<FinancialAidNeeds>
    <FamilyIncomeAmount>
        SubElements omitted to save space
    <FamilyIncomeAmount>
    <FinancialAidSupportIndicator>1</FinancialAidSupportIndicator>
    <WorkPlacementSupportIndicator>1</WorkPlacementSupportIndicator>
    <WorkHours>
        SubElements omitted to save space
    </WorkHours>
</FinancialAidNeeds>
```

TestStudent.SchoolSelectionCriteria.FinancialAidNeeds.FamilyIncomeAmount



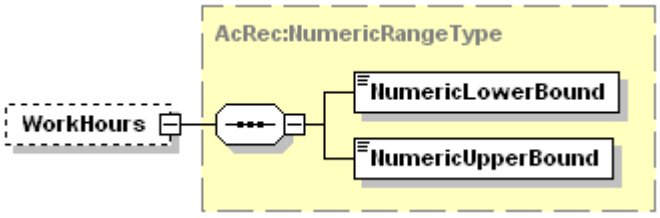
Tag Name	Schema Use	Description	Recommended Use	Format
NumericLowerBound	Required	Indicates the minimum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericLowerBound is interpreted as including the value specified for the element.	Required	**Type:** xs:boolean
NumericUpperBound	Required	Indicates the maximum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericUpperBound is interpreted as including the value specified for the element.	Required	**Type**: xs:Boolean

Comment: *The attribute defines interpretation of the value of the element. In this case, "inclusive" is true then the number specified in the LowerBound and UpperBound fields will be part of the range. Ex: a LowerBound of 100 would mean "equal to or greater than 100".*

Code Example:

```
<FamilyIncomeAmount>
    <NumericLowerBound inclusive='true'>10000</NumericLowerBound>
    <NumericUpperBound inclusive='false'>20000</NumericUpperBound>
</FamilyIncomeAmount>
```

TestStudent.SchoolSelectionCriteria.FinancialAidNeeds.WorkHours



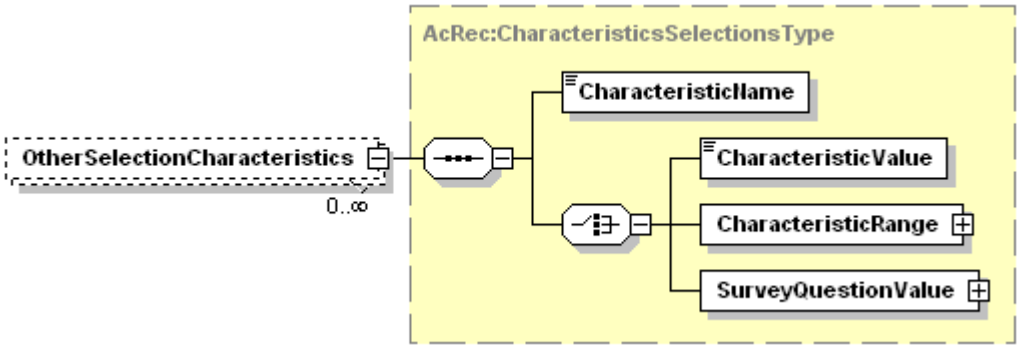
Tag Name	Schema Use	Description	Recommended Use	Format
NumericLowerBound	Required	Indicates the minimum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericLowerBound is interpreted as including the value specified for the element.	Required	**Type:** xs:boolean
NumericUpperBound	Required	Indicates the maximum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericUpperBound is interpreted as including the value specified for the element.	Required	**Type**: xs:Boolean

Comment: *The attribute defines interpretation of the value of the element. In this case, "inclusive" is true then the number specified in the LowerBound and UpperBound fields will be part of the range. Ex: a LowerBound of 100 would mean "equal to or greater than 100".*

Code Example:

```
<WorkHours>
    <NumericLowerBound inclusive='true'>11</NumericLowerBound>
    <NumericUpperBound inclusive='true'>25</NumericUpperBound>
</WorkHours>
```

TestStudent.SchoolSelectionCriteria.OtherSelectionCharacteristics

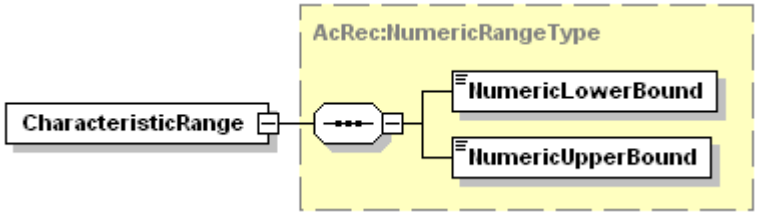


Tag Name	Schema Use	Description	Recommended Use	Format
CharacteristicName	Required	Name of the selection characteristic	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 40 **Type:** xs:unsignedLong
	Comment: *The value of the Characteristic may be expressed as a string value and numeric range or a multiple choice question and answer.*			
CharacteristicValue	Required Choice	Value of the selection factor if it is a single value or text	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 80 **Type:** xs:string
CharacteriticRange	Required Choice	Value of the characteristic expressed as a range of values	Required Choice	minOcc 1 maxOcc 1 **Type:** Decimal
SurveyQuestionValue	Required Choice	Value of the Characteristic expressed as a multiple choice question and answer	Required Choice	minOcc 1 maxOcc 1

Code Example:

```
<OtherSelectionCharacteristics>
    <CharacteristicName>Weight</CharacteristicName>
    <CharacteristicValue>55</CharacteristicValue>
</OtherSelectionCharacteristics>
```

TestStudent.SchoolSelectionCriteria.OtherSelectionCharacteristics. CharacteristicRange



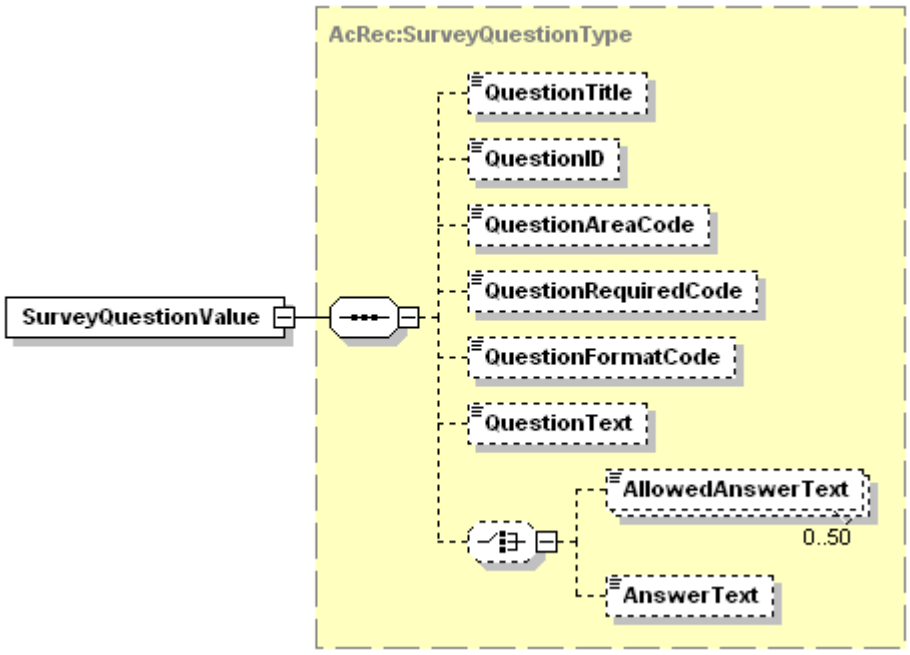
Tag Name	Schema Use	Description	Recommended Use	Format
NumericLowerBound	Required	Indicates the minimum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericLowerBound is interpreted as including the value specified for the element.	Required	**Type:** xs:boolean
NumericUpperBound	Required	Indicates the maximum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericUpperBound is interpreted as including the value specified for the element.	Required	**Type**: xs:Boolean

Comment: *The attribute defines interpretation of the value of the element. In this case, "inclusive" is true then the number specified in the LowerBound and UpperBound fields will be part of the range. Ex: a LowerBound of 100 would mean "equal to or greater than 100".*

Code Example:

```
<CharacteristicRange>
    <NumericLowerBound inclusive='true'>10</NumericLowerBound>
    <NumericUpperBound inclusive='true'>30</NumericUpperBound>
</CharacteristicRange>
```

TestStudent.SchoolSelectionCriteria.OtherSelectionCharacteristics. SurveyQuestionValue



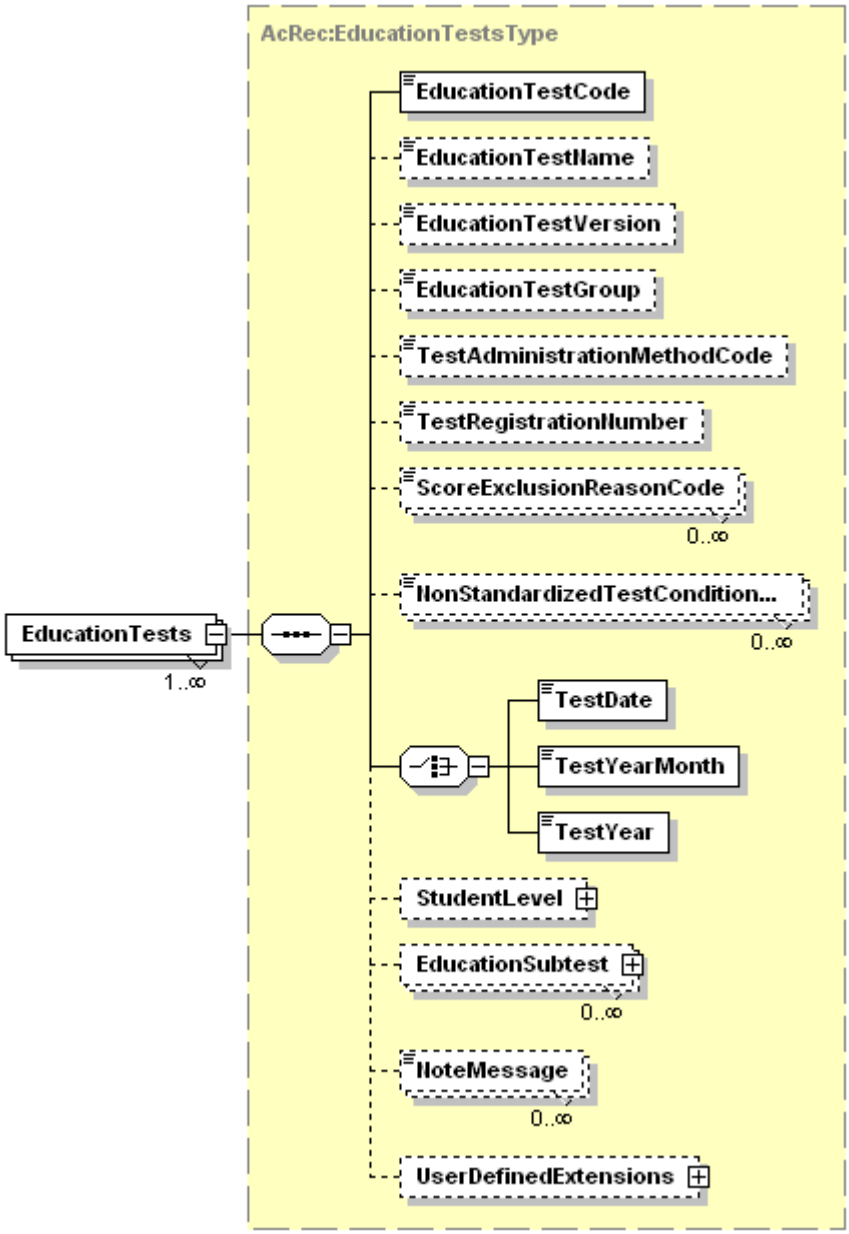
Tag Name	Schema Use	Description	Recommended Use	Format
QuestionTitle	Optional	Title of the question	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 30
QuestionID	Optional	Survey question number or other identifier	Optional	minOcc 0 maxOcc 1 maxLen 15
QuestionAreaCode	Optional	General subject matter of the question	Recommended	minOcc 0 maxOcc 1 **Enumeration**: AcademicRecord Admissions Biographical Education Employment Essay ExtraCurricularActivities Family FinancialAid General Health HonorsAwards Housing Immigration Other Personal References Residency Scholarship Tests

Tag Name	Schema Use	Description	Recommended Use	Format
QuestionRequiredCode	Optional	Indicates if Student must answer the question	Optional	minOcc 0 maxOcc 1 **Enumeration**: Required Optional
QuestionFormatCode	Optional	Indicates the presentation format of the question and answers	Optional	minOcc 0 maxOcc 1 **Enumeration**: RadioButton Checkbox DropDownMenu OneLineText TextArea NoInput
QuestionText	Optional	Text of the question	Recommended	minOcc 0 maxOcc 1 **Type:** String
AllowedAnswerText	Optional Choice	Repeated answers along with the answer selected by the student	Optional Choice	minOcc 0 maxOcc 50
AnswerText	Required Choice	Text of the answer if it is not presented as an alternative in Allowed Answers	Requiired Choice	minOcc 1 maxOcc 1 minLen 1 maxLen ∞

Code Example:

```
<SurveyQuestionValue>
    <QuestionAreaCode>Biographical</QuestionAreaCode>
    <QuestionText>What was you best sport?</QuestionText>
    <AnswerText>Basketball</AnswerText>
</SurveyQuestionValue>
```

TestStudent.EducationTests



Tag Name	Schema Use	Description	Recommended Use	Format
EducationTestCode	Required	Refer to Appendix F for the list of acceptable codes used to identify the test.	Required	minOcc 1 maxOcc 1 See Appendix F
EducationTestName	Optional	Common name for the test	Not Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 80 See Appendix F

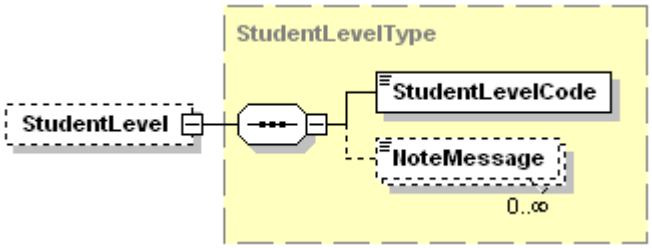
Tag Name	Schema Use	Description	Recommended Use	Format
EducationTestVersion	Optional	A version label supplied by the test publisher. This changes when the structure of the test has changed (e.g, new subtest)	Recommended	minOcc 0 maxOcc 1 minLen 1 maxLen 40
EducationTestGroup	Optional	Provides additional grouping information for agencies that need to further identify a particular test. The group will be agency specific.	Optional	minOcc 0 maxOcc 1 length 80
TestAdministrationMethodCode	Optional	Provides information about alternate delivery forms of a test.	Recommended	minOcc 0 maxOcc 1 **Enumeration:** ComputerTest PaperAndPencil
TestRegistrationNumber	Optional	Provides an identifier for a specific student participating in a specific test administration session	Optional	minOcc 0 maxOcc 1
ScoreExclusionReasonCode	Optional Repeatable	Describes the reasons why no scores are present for this test	Recommended when score excluded	minOcc 0 maxOcc ∞ **Enumeration:** Absent AdministrativeCancellation AdministrativeDiscretion ExamineeCancellation ExtraordinaryCircumstances MedicalExcuse NoExemption OnHold ParentExemption Pending SecurityCancellation Waiver WithheldbyExaminee
NonStandardizedTest-Conditions	Optional Repeatable	Describes the deviations from normal standardization for this student. Multiple deviations may be reported	Optional	minOcc 0 maxOcc ∞ **Enumeration:** See Appendix E
	Comment: *For each nonstandardized condition include the reason.*			
TestDate	Required Choice	Test administration date.	Required (use one)	minOcc 1 maxOcc 1 **Format:** CCYY-MM-DD
	Comment: *Use this choice if the exact date of the test is known.*			
TestYearMonth	Required Choice	Test administration date	Required (use one)	minOcc 1 maxOcc 1 **Format:** CCYY-MM
	Comment: *Use this choice if only the year and the month of the test are known.*			
TestYear	Required Choice	Test administration date	Required (use one)	minOcc 1 maxOcc 1 **Format:** CCYY

Tag Name	Schema Use	Description	Recommended Use	Format
Comment: *Use this choice if only the year of the test is known.*				
StudentLevel	Optional	Classification of the student at the time the student took the test	Recommended	minOcc 0 maxOcc 1 **Enumeration:** *See Appendix C*
EducationSubtest	Optional Repeatable	Subdivision of a standardized test (including the score)		minOcc 0 maxOcc ∞
NoteMessage	Optional Repeatable	Additional information about the test	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80
UserDefinedExtensions	Optional	Additional structured information. Requires mutually defined XML schema.	Not Recommended	minOcc 0 maxOcc 1

Code Example:

```
<EducationTests>
    <EducationTestCode>InternationalBaccalaureate</EducationTestCode>
    <TestVersion>2003</TestVersion>
    <TestAdministrationMethodCode>PencilAndPaper</TestAdministrationMethodCode>
            <TestYearMonth>2006-04</TestYearMonth>
    <StudentLevel>SeventhGrade</StudentLevel>
</EducationTests>
```

TestStudent.EducationTests.StudentLevel

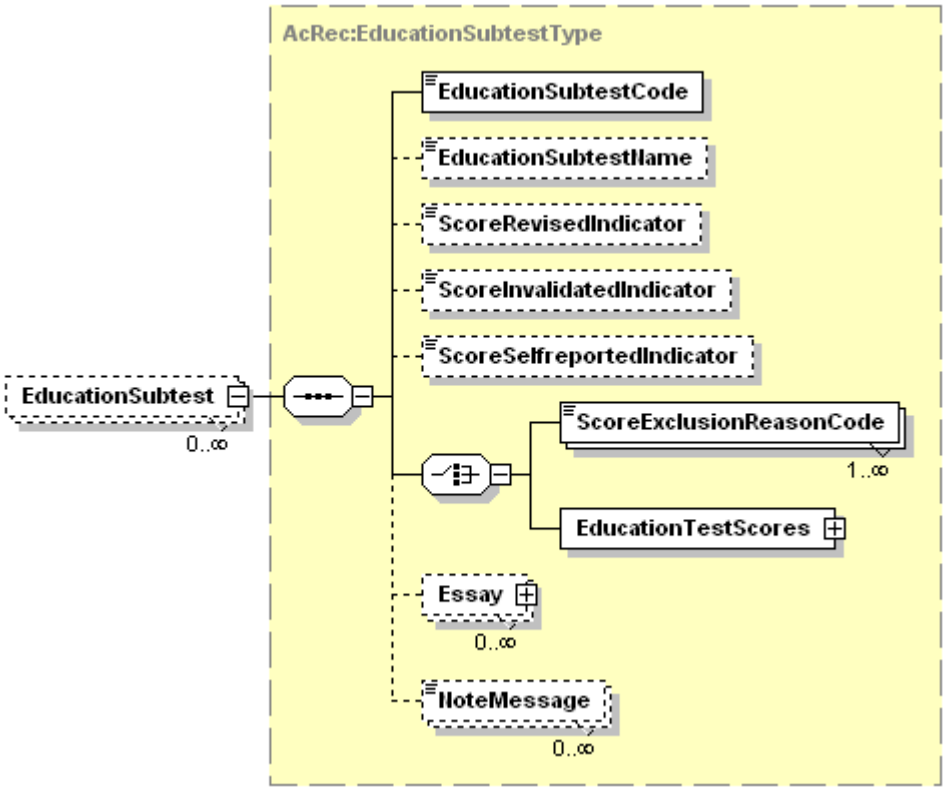


Tag Name	Schema Use	Description	Recommended Use	Format
	Comment: *Although the complex data element StudentLevel is an optional data element, if you choose to send the StudentLevel for the test, then you must send the StudentLevelCode.*			
StudentLevelCode	Required	Classification of the student at the time the student took the test. Indicate the highest level attained.	Required	minOcc 1 maxOcc 1 **Enumeration:** *See Appendix C*
NoteMessage	Optional Repeatable	Additional information about the student level	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
<StudentLevel>
    <StudentLevelCode>NinthGrade</StudentLevelCode>
</StudentLevel>
```

TestStudent.EducationTests.EducationSubtest



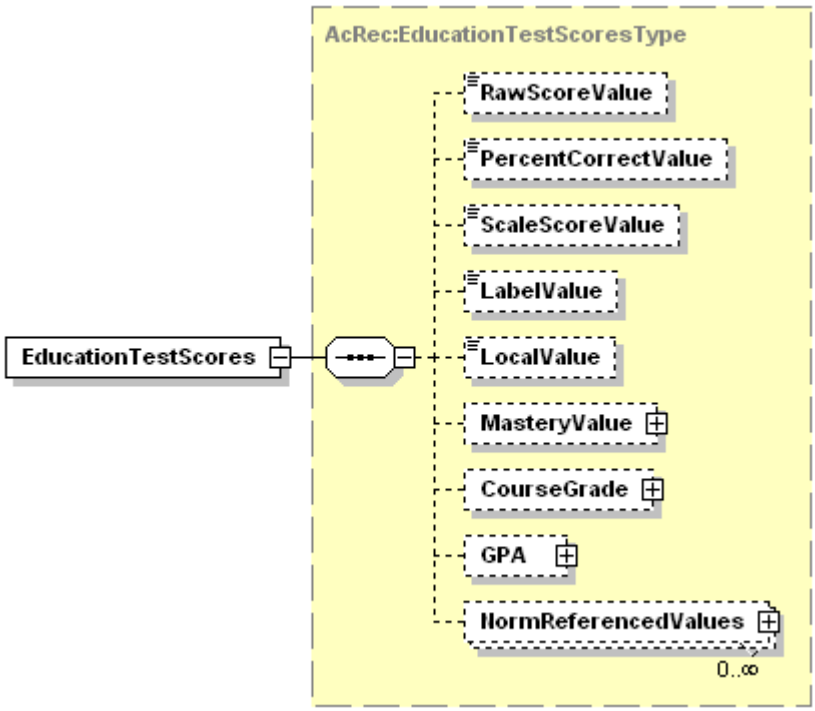
Tag Name	Schema Use	Description	Recommended Use	Format
EducationSubtestCode	Required	Code identifying the sub-part of a standardized test (e.g. Quantitative, Verbal)	Optional	minOcc 1 maxOcc 1 *See Appendix G*
EducationSubtestName	Optional	Official name of the test as specified by the test publisher or administrator	Optional	minOcc 0 maxOcc 1 See Appendix G
	Comment: *In the case where a subtest has two or more different norm populations, the subtest element will be repeated multiple times with the same subtest name but different NormPopulation values.*			
ScoreRevisedIndicator	Optional	Indicates if the score report has been revised. If true, score may differ from score previously reported for this test and test date.	Optional	minOcc 0 maxOcc 1 true/false
	Comment: *If this is a revision of a previous score report, then include the data element with a value of "true". If it is not a revised score report, do not include this data element.*			
ScoreInvalidatedIndicator	Optional	Indicates if the score has been invalidated. If true, score previously reported for this test and test date is not valid.	Optional	minOcc 0 maxOcc 1 true/false
	Comment: *If this score report is reporting that the test score has been invalidated, then include the data element with a value of "true". If not, then do not include this data element.*			
ScoreSelfreportedIndicator	Optional	Indicates if the score has been self-reported by the student.	Optional	minOcc 0 maxOcc 1 true/false

Tag Name	Schema Use	Description	Recommended Use	Format
	Comment: *If this is a score report that was self reported by the student, then include the data element with a value of "true". If not, then do not include this data element.*			
ScoreExclusionReasonCode	Choice Repeatable	If the score for this subtest is not available, this element is repeated to include all reasons.	Optional	minOcc 0 maxOcc ∞ **Enumeration:** Absent AdministrativeCancellation AdministrativeDiscretion ExamineeCancellation ExtraordinaryCircumstances MedicalExcuse NoExemption OnHold ParentExemption Pending SecurityCancellation Waiver WithheldbyExaminee
EducationTestScores	Choice Once	The score received on the test. This complex type allows scores of each type or transformation to be presented.	Recommended	minOcc 1 maxOcc 1
Essay	Optional	Includes the essay text for computer entered essays, or a link to the essay text or image	Optional	minOcc 0 maxOcc ∞ minLen 0 maxLen 2000
	Comment: *Only needed if the essay is transmitted.*			
NoteMessage	Optional Repeatable	Additional information about the subtest	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80

Code Example:

```
    <EducationSubtest>
        <EducationSubtestCode>AlgebraGeometryCoordinate</EducationSubtestCode>
        <EducationSubtestName>Algebra/Coordinate Geometry</EducationSubtestName>
        <EducationTestScores>
            SubElements omitted to save space
        </EducationTestScores>
    </EducationSubtest>
    <EducationSubtest>
        <SubtestCode>Chemistry</SubtestCode>
        <ScoreExclusionReasonCode>WithheldbyExaminee</ScoreExclusionReasonCode>
</EducationSubtest> <!-- repeat as needed →
```

TestStudent.EducationTests.EducationSubtest.EducationTestScores



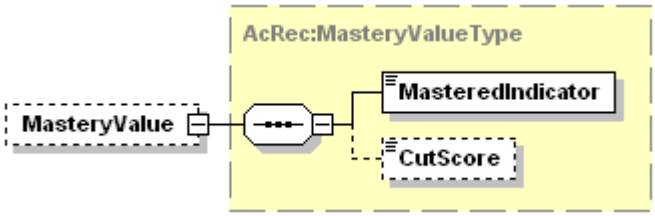
Tag Name	Schema Use	Description	Recommended Use	Format
	Comment: *It the EducationTestScore Element is selected then* ***at least one*** *of the following should be selected. If the score is presented in different formats, one record can be used to define them all.*			
RawScoreValue	Optional	Value expressed as a raw score. This is usually some form of the number of correct answers	Optional	minOcc 0 maxOcc 1 **Type:** xs:integer
PercentCorrectValue	Optional	Score is expressed in terms of the percent of the total correct	Optional	minOcc 0 maxOcc 1 minInclusive 0 maxInclusive 100 **Type:** xs: decimal
ScaleScoreValue	Optional	Value which is a transformation of the raw score to common scale that can be used for comparison to other forms of the test	Optional	minOcc 0 maxOcc 1 minInclusive 0 maxInclusive 100 **Type:** xs: integer
LabelValue	Optional	Label describing a score value (e.g., Excellent). The labels may or may not be ordinal	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 80 **Type**: xs:string
LocalValue	Optional	Value that is not covered by other elements. This element allows both text and numbers.	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 80 **Type:** xs:string

Tag Name	Schema Use	Description	Recommended Use	Format
MasteryValue	Optional	Identifies if the score is sufficient to indicate mastery of the material and the score needed to indicate mastery	Optional	minOcc 0 maxOcc 1
CourseGrade	Optional	Score expressed as equivailent to a course grade.	Optional	minOcc 0 maxOcc 1 **Type:** xs:string
GPA	Optional	Score expressed as a GPA	Optional	minOcc 0 maxOcc 1 **Type:** xs:integer
NormReferencedValues	Optional	Test score values that are calcuated based upon a specific norm population	Optional	minOcc 0 maxOcc ∞

Code Example:

```
<EducationTestScores>
    <ScaleScoreValue>32</ScaleScoreValue>
    <NormReferencedValues>
        Subelements not shown
    </NormReferencedValues>
</EducationTestScores>
```

TestStudent.EducationTests.EducationSubtest.EducationTestScores.MasteryValue

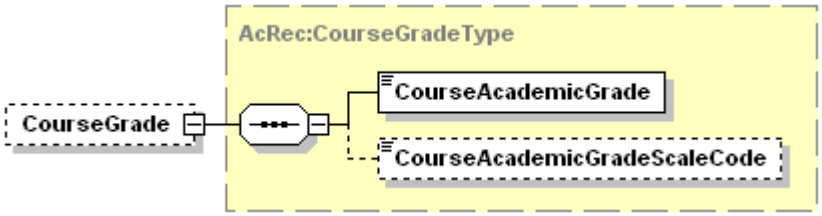


Tag Name	Schema Use	Description	Recommended Use	Format
MasteredIndicator	Required	Signifies that the student has mastered (true) or not mastered (false) the tested domain	Required	minOcc 1 maxOcc 1 Type: xs:Boolean
CutScore	Optional	Presents the score that needed to be equalled or exceeded to master the domain	Optional	minOcc 0 maxOcc 1 Type: xs:decimal

Code Example:

```
<MasteryValue>
    <MasteredIndicator>true</MasteredIndicator>
    <CutScore>22</CutScore>
</MasteryValue>
```

TestStudent.EducationTests.EducationSubtest.EducationTestScores.CourseGrade

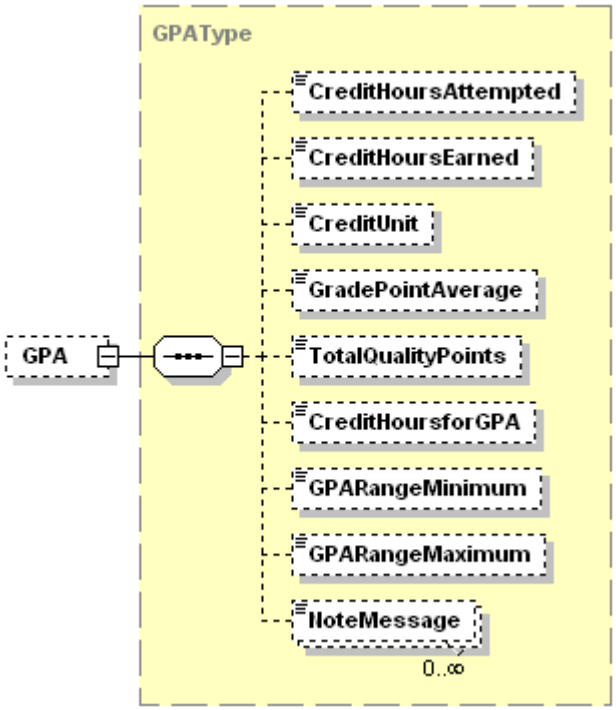


Tag Name	Schema Use	Description	Recommended Use	Format
CourseAcademicGrade	Required	Signifies that the student has mastered (true) or not mastered (false) the tested domain	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 10 Type: xs:Boolean
CourseAcademicGradeScaleCode	Optional	Presents the score that needed to be equalled or exceeded to master the domain	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 3 Type: xs:decimal

Code Example:

```
<CourseGrade>
    <CourseAcademicGrade>2</CourseAcademicGrade>
</CourseGrade>
```

TestStudent.EducationTests.EducationSubtest.EducationTestScores.GPA



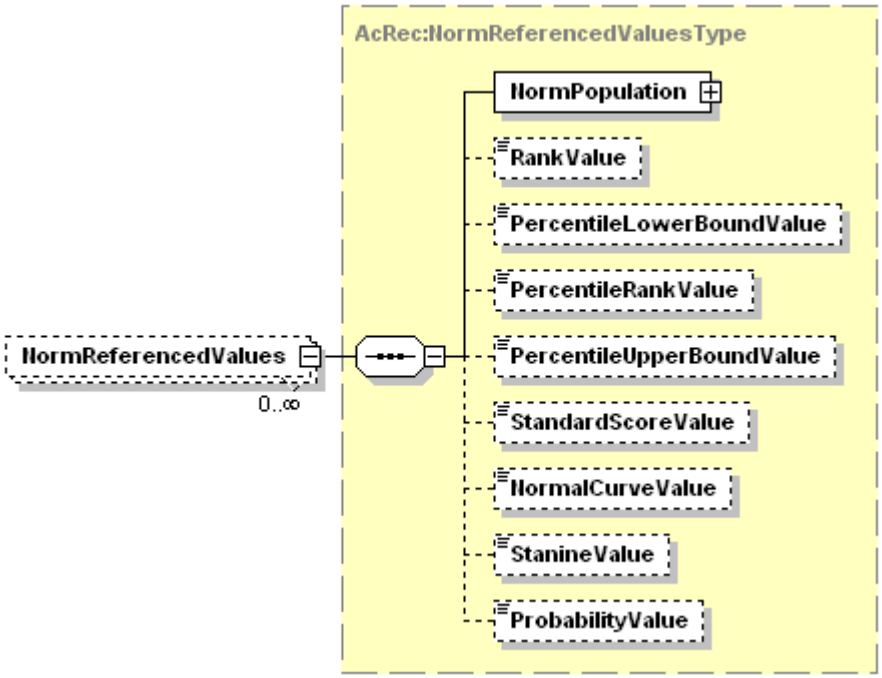
Tag Name	Schema Use	Description	Recommended Use	Format
CreditHoursAttempted	Optional	Total value of credit hours attempted whether or not included in the hours for GPA or hours earned	Not Recommended	minOcc 0 maxOcc 1 xs:decimal
CreditHoursEarned	Optional	Total value of credit hours successfully completed or earned	Not Recommended	minOcc 0 maxOcc 1 xs:decimal
CreditUnit	Optional	Type of credit (unit, semester, or quarter) associated with the credit hours earned for the course	Not Recommended	minOcc 0 maxOcc 1 **Enumeration:** NoCredit Quarter Semester Units ClockHours CarnegieUnits ContinuingEducationUnits Unreported Other
GradePointAverage	Optional	Value of the total quality points divided by the Credit Hours for Grade Point Average	Recommended	minOcc 0 maxOcc 1 xs:decimal
TotalQualityPoints	Optional	Total value of quality points used for the calculation of the Grade Point Average	Not Recommended	minOcc 0 maxOcc 1 xs:decimal

Tag Name	Schema Use	Description	Recommended Use	Format
CreditHoursforGPA	Optional	Total value of credit hours used to calculate the Grade Point Average	Not Recommended	minOcc 0 maxOcc 1 xs:decimal
	Comment: *If a student earned grades of A (worth 4 grade points per unit) in 3 Carnegie Units in this program for this diploma; grades of F (worth 0 points per unit) in 4 units; and withdrew from 5 units, then the total credit hours for GPA for this diploma and this program would be "7".*			
GPARangeMinimum	Optional	Minimum possible GPA	Recommended	minOcc 0 maxOcc 1 xs:decimal
	Comment: *If the lowest possible grade is an F and a grade of F is valued at 0 grade points, then this value would be "0", or "0.0" or "0.00".*			
GPARangeMaximum	Optional	Maximum possible GPA	Recommended	minOcc 0 maxOcc 1 xs:decimal
	Comment: *If the highest possible grade is an A and a grade of A is valued at 4 grade points, then this value would be "4" or "4.0" or "4.00", etc.*			
NoteMessage	Optional Repeatable	Additional information about the GPA	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80
Comment: *A student's GPA for a specific program within the Award or Diploma would not normally be included in a test score report so this entire section of the schema would not normally be included.*				

Code Example:

```
<GPA>
    <GradePointAverage>2.75</GradePointAverage>
    <GPARangeMinimum>0</GPARangeMinimum>
    <GPARangeMaximum>4</GPARangeMaximum>
</GPA>
```

TestStudent.EducationTests.EducationSubtest.NormReferencedValues



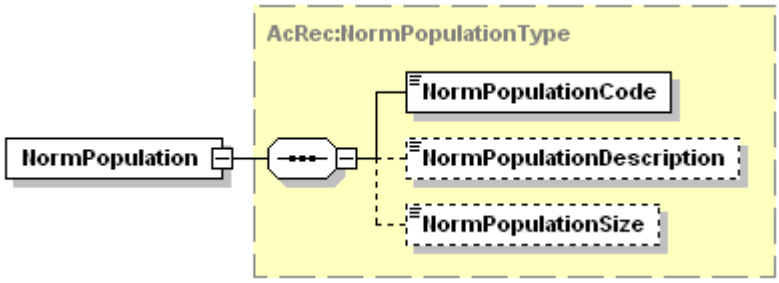
Tag Name	Schema Use	Description	Recommended Use	Format
NormPopulation	Required	The attributes of the population used in the norm referenced score	Required	minOcc 0 maxOcc 1
	Comment: *The following values are based upon a NormPopulation if specified.*			
RankValue	Optional	Score expressed as a rank and the size of the population	Optional	minOcc 0 maxOcc 1 minInclusive 1
PercentileLowerBoundValue	Optional	Percent of examinees scoring below the current score	Optional	minOcc 0 maxOcc 1 minInclusive 0 maxInclusive 100 **Type:** xs:unsignedInt
PercentileRankValue	Optional	Number of examinees below the current score plus half the examinees at the same score divided by the number of examinees	Optional	minOcc 0 maxOcc 1 minInclusive 0 maxInclusive 100 **Type:** xs:unsignedInt
PercentileUpperBoundValue	Optional	Percent of examinies scoring at or below the current score (also called cummunlative percent)	Optional	minOcc 0 maxOcc 1 minInclusive 0 maxInclusive 100 **Type:** xs:unsignedInt

Tag Name	Schema Use	Description	Recommended Use	Format
StandardScoreValue	Optional	Score expressed as a scaled derivative of a standard (z) score.	Optional	minOcc 0 maxOcc 1 minInclusive -10.0 maxInclusive +10.0 **Type**: xs:decimal
NormalCurveValue	Optional	Score expressed as a percent of cases below this score assuming a normal distribution	Optional	minOcc 0 maxOcc 1 **Type:** xs:decimal
StanineValue	Optional	Value indicating the stanine (1-9) in which the score falls	Optional	minOcc 1 maxOcc 1 **Type:** xs:integer
ProbabilityValue	Optional	Score expressed as a probability	Optional	minOcc 1 maxOcc 1 minInclusive 0.0 maxInclusive 1.0 **Type**: xs:decimal

Code Example:

```
<NormReferencedValues>
    <NormPopulation>
        Subelements omitted
    </NormPopulation>
    <PercentileRankValue>77</PercentileRankValue>
</NormReferencedValues>
```

TestStudent.EducationTests.EducationSubtest.NormPopulation

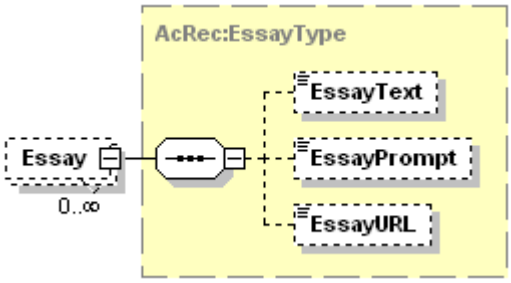


Tag Name	Schema Use	Description	Recommended Use	Format
Norm Population Code	Required	The type population on which the norm is based.	Required	minOcc 1 maxOcc 1 minOcc 1 maxOcc 1 **Enumeration:** Institution City County State Region National International Other Unknown
Norm Population Description	Optional	A further description of the population in free text	Optional	minOcc 0 maxOcc 1 minOccurs 0 maxOccurs 80 **Type:** xs:string
Norm Population Size	Optional	The number of people in the population	Optional	minOcc 0 maxOcc 1 **Type:** xs:unsignedLong

Code Example:

```
<Norm Population>
    <NormPopulationCode>Institution</NormPopulationCode>
    <NormPopulationDescription>University of  Iowa Freshman</NormPopulationDescription>
    <NormPopulationSize> 10503</NormPopulationSize>
</NormPopulation>
```

TestStudent.EducationTests.EducationSubtest.EducationTestScores.Essay

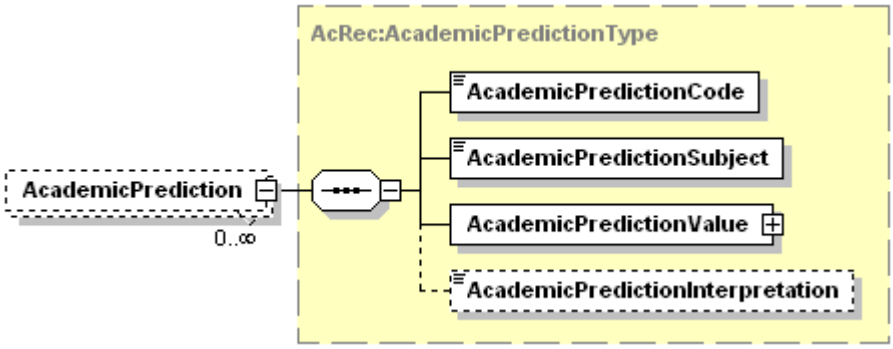


Tag Name	Schema Use	Description	Recommended Use	Format
EssayText	Optional	Actual text of the essay that is being scored (Used normally with computer based tests.)	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 2000
EssayPrompt	Optional	Image of the essay (Format and encoding TBD)	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 300
EssayURL	Optional	URL that will provide access to the essay on a secured site	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 512
	Comment: *If the essay element is included then one of the above elements must be used to include the content of the essay.*			

Code Example:

```
<Essay>
    <EssayText>This is my essay.</EssayText>
</Essay>
```

TestStudent.AcademicPrediction

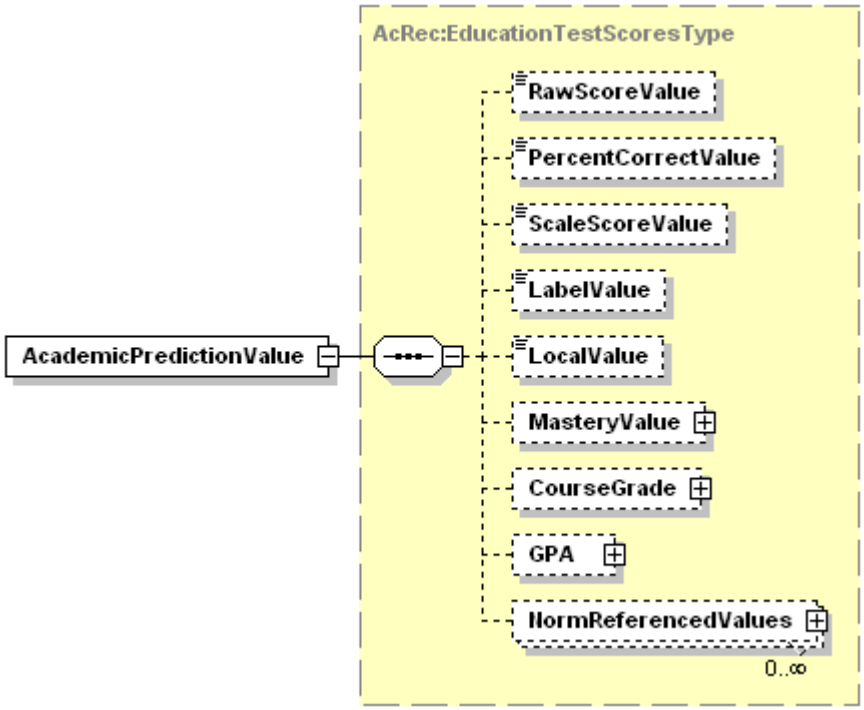


Tag Name	Schema Use	Description	Recommended Use	Format
AcademicPredictionCode	Required	The measurement area that is to be measured	Required	minOcc 1 maxOcc 1 **Enumeration:** AllCourses Examination GenericCourse Major SpecificCourse
AcademicPredictionSubject	Required	Indicates the subject area that is to be predicted or it indicates that the entire course of study is to be predicated	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 40
AcademicPredictionValue	Required	The values for each prediction. A predication may have multiple measures such as GPA and C or better.	Required	minOcc 1 maxOcc 1
AcademicPredictionInterpretation	Optional	A prose description of the meaning of the prediction values	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 200

Code Example:

```
<AcademicPrediction>
    <AcademicPredictionCode>Major</AcademicPredictionCode>
    <AcademicPredictionSubject>English</AcademicPredictionSubject>
    <AcademicPredictionValue>
        <StanineValue>8</StanineValue>
    </AcademicPredictionValue>
    <AcademicPredictionInterpretation>A prose description of the meaning of the prediction
    values</AcademicPredictionInterpretation>
</AcademicPrediction>
```

TestStudent.AcademicPrediction.AcademicPredictionValue



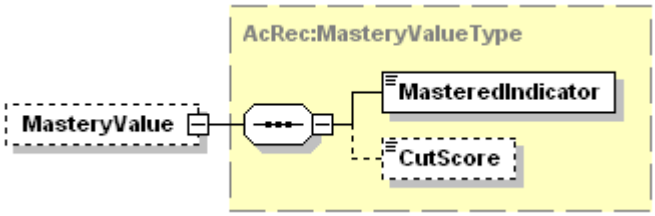
Tag Name	Schema Use	Description	Recommended Use	Format
RawScoreValue	Optional Choice	The value expressed as a raw score. This is usually some form of the number of correct answers.	Optional	minOcc 0 maxOcc 1 **Type:** xs:integer
PercentCorrectValue	Optional Choice	The score is expressed in terms of the percent of the total correct.	Optional	minOcc 0 maxOcc 1 minInclusive 0 maxInclusive 100.0 **Type:** xs: decimal
ScaleScoreValue	Optional Choice	A value which is a transformation of the raw score to common scale that can be used for comparison to other forms of the test	Optional	minOcc 0 maxOcc 1 minInclusive 0 maxInclusive 100 **Type:** xs: integer
LabelValue	Optional Choice	A label describing a score value (e.g., Excellent). The labels may or may not be ordinal.	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 80 **Type**: xs:string
LocalValue	Optional Choice	A value that is not covered by other elements. This element allows both text and numbers.	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 80 **Type:** xs:string
MasteryValue	Optional Choice	Identifies if the score is sufficient to indicate mastery of the material	Optional	minOcc 0 maxOcc 1 True False

Tag Name	Schema Use	Description	Recommended Use	Format
CourseGrade	Optional Choice	Score expressed as equivailent to a course grade.	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 1 **Type:** xs:string
GPA	Optional Choice	Score expressed as a GPA	Optional	minOcc 0 maxOcc 1 minInclusive 1 maxInclusive 9 **Type:** xs:integer
NormReferencedValues	Optional Choide	Test score values that are calcuated based upon a specific norm population	Optional	minOcc 0 maxOcc ∞

Code Example:

```
<AcademicPredictionValue>
    <GPA>3.75</GPA>
</AcademicPredictionValue>
```

TestStudent.AcademicPrediction.AcademicPredictionValue.MasteryValue

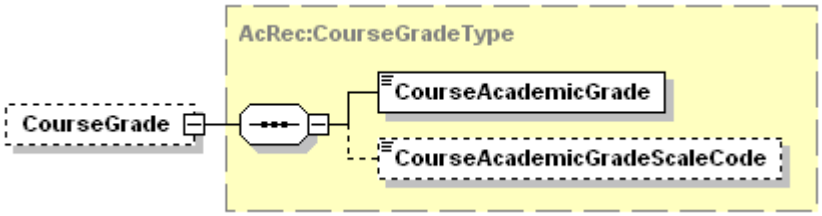


Tag Name	Schema Use	Description	Recommended Use	Format
MasteredIndicator	Required	Signifies that the student has mastered (true) or not mastered (false) the tested domain	Required	minOcc 1 maxOcc 1 Type: xs:Boolean
CutScore	Optional	Presents the score that needed to be equalled or exceeded to master the domain	Optional	minOcc 0 maxOcc 1 Type: xs:decimal

Code Example:

```
<MasteryValue>
    <MasteredIndicator>true</MasteredIndicator>
    <CutScore>22</CutScore>
</MasteryValue>
```

TestStudent.AcademicPrediction.AcademicPredictionValue.CourseGrade

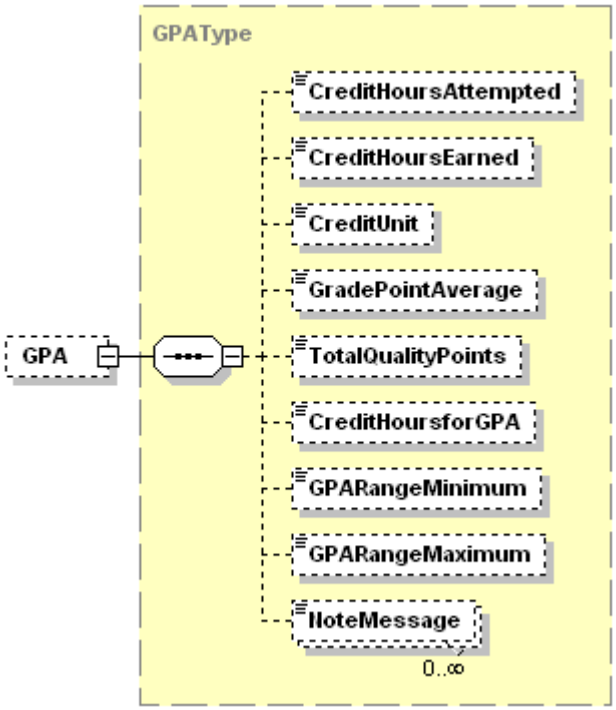


Tag Name	Schema Use	Description	Recommended Use	Format
CourseAcademicGrade	Required	Self-reported average grade for the subject area	Recommended	minOcc 1 maxOcc 1 minLen 1 maxLen 10 See Appendix D
	Comment: *CourseAcademicGrade is required only if CourseGrade Element is present.*			
CourseAcademicGrade ScaleCode	Optional	Grade Scale specified in Appendix D	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 3 See Appendix D

Code Example:

```
<CourseGrade>
    <CourseAcademicGrade>C+</CourseAcademicGrade >
    < CourseAcademicGrade ScaleCode >01</CourseAcademicGrade ScaleCode >
</CourseGrade>
```

TestStudent.AcademicPrediction.AcademicPredictionValue.GPA



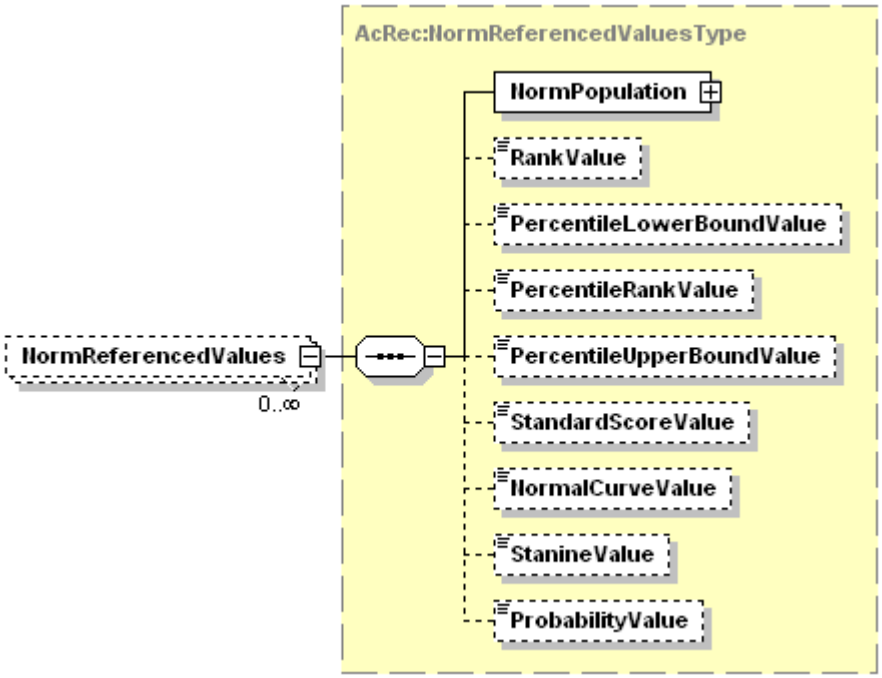
Tag Name	Schema Use	Description	Recommended Use	Format
CreditHoursAttempted	Optional	Total value of credit hours attempted whether or not included in the hours for GPA or hours earned	Not Recommended	minOcc 0 maxOcc 1 xs:decimal
CreditHoursEarned	Optional	Total value of credit hours successfully completed or earned	Not Recommended	minOcc 0 maxOcc 1 xs:decimal
CreditUnit	Optional	Type of credit (unit, semester, or quarter) associated with the credit hours earned for the course	Not Recommended	minOcc 0 maxOcc 1 **Enumeration:** NoCredit Quarter Semester Units ClockHours CarnegieUnits ContinuingEducationUnits Unreported Other
GradePointAverage	Optional	Value of the total quality points divided by the Credit Hours for Grade Point Average	Recommended	minOcc 0 maxOcc 1 xs:decimal
TotalQualityPoints	Optional	Total value of quality points used for the calculation of the Grade Point Average	Not Recommended	minOcc 0 maxOcc 1 xs:decimal
CreditHoursforGPA	Optional	Total value of credit hours used to calculate the Grade Point Average	Not Recommended	minOcc 0 maxOcc 1 xs:decimal

Tag Name	Schema Use	Description	Recommended Use	Format
	Comment: *If a student earned grades of A (worth 4 grade points per unit) in 3 Carnegie Units in this program for this diploma; grades of F (worth 0 points per unit) in 4 units; and withdrew from 5 units, then the total credit hours for GPA for this diploma and this program would be "7".*			
GPARangeMinimum	Optional	Minimum possible GPA	Recommended	minOcc 0 maxOcc 1 xs:decimal
	Comment: *If the lowest possible grade is an F and a grade of F is valued at 0 grade points, then this value would be "0", or "0.0" or "0.00".*			
GPARangeMaximum	Optional	Maximum possible GPA	Recommended	minOcc 0 maxOcc 1 xs:decimal
	Comment: *If the highest possible grade is an A and a grade of A is valued at 4 grade points, then this value would be "4" or "4.0" or "4.00", etc.*			
NoteMessage	Optional Repeatable	Additional information about the GPA	Not Recommended	minOcc 0 maxOcc ∞ minLen 1 maxLen 80
Comment: *A student's GPA for a specific program within the Award or Diploma would not normally be included in a test score report so this entire section of the schema would not normally be included.*				

Code Example:

```
<GPA>
    <GradePointAverage>2.75</GradePointAverage>
    <GPARangeMinimum>0</GPARangeMinimum>
    <GPARangeMaximum>4</GPARangeMaximum>
</GPA>
```

TestStudent.AcademicPrediction.AcademicPredictionValue.NormReferencedValues



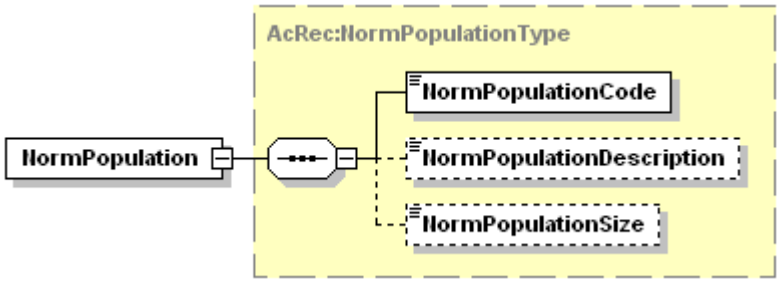
Tag Name	Schema Use	Description	Recommended Use	Format
NormPopulation	Required	Attributes of the population used in the norm referenced score	Required	minOcc 1 maxOcc 1
RankValue	Optional	Score expressed as a rank	Optional	minOcc 0 maxOcc 1 minInclusive 1 **Type**: xs:unsignedInt
PercentileLowerBoundValue	Optional	Percent of examinees scoring below the current score	Optional	minOcc 0 maxOcc 1 minInclusive 0 maxInclusive 100 **Type:** xs:unsignedInt
PercentileRankValue	Optional	Number of examinees below the current score plus half the examinees at the same score divided by the number of examinees	Optional	minOcc 0 maxOcc 1 minInclusive 0 maxInclusive 100 **Type:** xs:unsignedInt
PercentileUpperBoundValue	Optional	Percent of examinees scoring at or below the current score (also called cummunlative percent)	Optional	minOcc 0 maxOcc 1 minInclusive 0 maxInclusive 100 **Type:** xs:unsignedInt

Tag Name	Schema Use	Description	Recommended Use	Format
StandardScoreValue	Optional	Score expressed as a scaled derivative of a standard (z) score	Optional	minOcc 0 maxOcc 1 minInclusive -10.0 maxInclusive +10.0 **Type**: xs:decimal
NormalCurveValue	Optional	Score expressed as a percent of cases below this score assuming a normal distribution.	Optional	minOcc 0 maxOcc 1 **Type:** xs:decimal
StanineValue	Optional	Value indicating the stanine (1-9) in which the score falls	Optional	minOcc 0 maxOcc 1 **Type:** xs:integer
ProbabilityValue	Optional	Score expressed as a probability	Optional	minOcc 0 maxOcc 1 minInclusive 0.0 maxInclusive 1.0 **Type**: xs:decimal

Code Example:

```
<NormReferencedValues>
    <NormPopulation>
        Subelements Omitted
    </NormPopulation>
    <ProbabilityValue>0.56</ProbabilityValue>
</NormReferencedValues>
```

TestStudent.AcademicPrediction.AcademicPredictionValue.NormPopulation

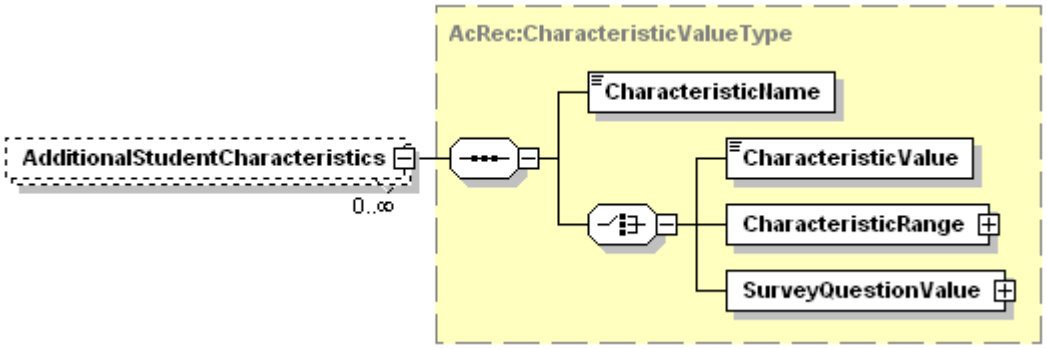


Tag Name	Schema Use	Description	Recommended Use	Format
Norm Population Code	Required	The type population on which the norm is based.	Required	minOcc 1 maxOcc 1 minOcc 1 maxOcc 1 **Enumeration:** Institution City County State Region National International Other Unknown
Norm Population Description	Optional	A further description of the population in free text	Optional	minOcc 0 maxOcc 1 minOccurs 0 maxOccurs 80 **Type:** xs:string
Norm Population Size	Optional	The number of people in the population	Optional	minOcc 0 maxOcc 1 **Type:** xs:unsignedLong

Code Example:

```
<Norm Population>
    <NormPopulationCode>Institution</NormPopulationCode>
    <NormPopulationDescription>University of  Iowa Freshman</NormPopulationDescription>
    <NormPopulationSize> 10503</NormPopulationSize>
</NormPopulation>
```

TestStudent.AdditionalStudentCharacteristics

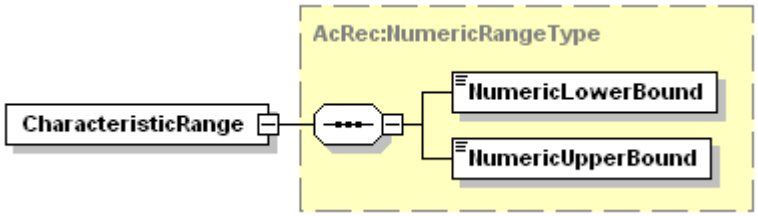


Tag Name	Schema Use	Description	Recommended Use	Format
CharacteristicName	Required	Name of the selection characteristic	Required	minOcc 1 maxOcc 1 minLen 1 maxLen 40 **Type:** xs:unsignedLong
	Comment: *The value of the Characteristic may be expressed as a string value and numeric range or a multiple choice question and answer.*			
CharacteristicValue	Required Choice	Value of the selection factor if it is a single value or text	Required Choice	minOcc 1 maxOcc 1 minLen 1 maxLen 80 **Type:** xs:string
CharacteriticRange	Required Choice	Value of the characteristic expressed as a range of values	Required Choice	minOcc 1 maxOcc 1 **Type:** Decimal
SurveyQuestionValue	Required Choice	Value of the Characteristic expressed as a multiple choice question and answer	Required Choice	minOcc 1 maxOcc 1

Code Example:

```
<AdditionalStudentCharacteristics>
    <CharacteristicName>Leadership</CharacteristicName>
    <CharacteristicValue>Class Vice President</CharacteristicValue>
</AdditionalStudentCharacteristics>
```

TestStudent.AdditionalStudentCharacteristics.CharacteristicRange



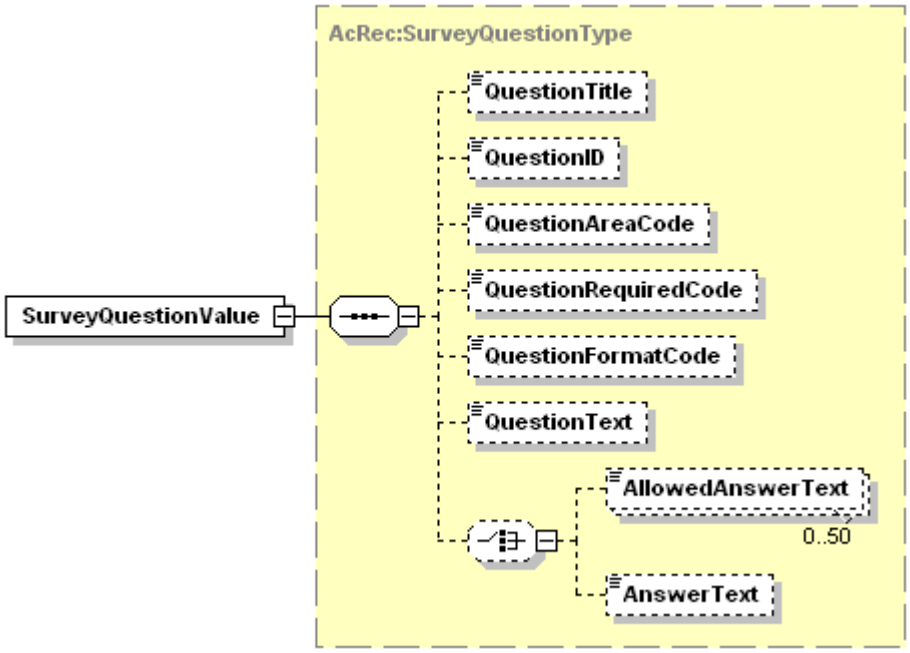
Tag Name	Schema Use	Description	Recommended Use	Format
NumericLowerBound	Required	Indicates the minimum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericLowerBound is interpreted as including the value specified for the element.	Required	**Type:** xs:boolean
NumericUpperBound	Required	Indicates the maximum of the desired range.	Required	minOcc 1 maxOcc 1 **Type:** xs:decimal
Attribute: inclusive	Required	If this attribute is set to true then the value of NumericUpperBound is interpreted as including the value specified for the element.	Required	**Type**: xs:boolean

Comment: *The attribute defines interpretation of the value of the element. In this case, "inclusive" is true then the number specified in the LowerBound and UpperBound fields will be part of the range. Ex: a LowerBound of 100 would mean "equal to or greater than 100".*

Code Example:

```
<CharacteristicRange>
    <NumericLowerBound inclusive='true'>10</NumericLowerBound>
    <NumericUpperBound inclusive='true'>30</NumericUpperBound>
</CharacteristicRange>
```

TestStudent.AdditionalStudentCharacteristics.SurveyQuestionValue



Tag Name	Schema Use	Description	Recommended Use	Format
QuestionTitle	Optional	The title of the question (if applicable)	Optional	minOcc 0 maxOcc 1 minLen 1 maxLen 30
QuestionID	Optional	The survey question number or other identifier	Optional	minOcc 0 maxOcc 1 maxLen 15
QuestionAreaCode	Optional	The general subject matter of the question	Recommended	minOcc 0 maxOcc 1 **Enumeration**: AcademicRecord Admissions Biographical Education Employment Essay ExtraCurricularActivities Family FinancialAid General Health HonorsAwards Housing Immigration Other Personal References Residency Scholarship Tests

Tag Name	Schema Use	Description	Recommended Use	Format
QuestionRequiredCode	Optional	Indicates if Student must answer the question	Optional	minOcc 0 maxOcc 1 **Enumeration**: Required Optional
QuestionFormatCode	Optional	Indicates the presentation format of the question and answers	Optional	minOcc 0 maxOcc 1 **Enumeration**: RadioButton Checkbox DropDownMenu OneLineText TextArea NoInput
QuestionText	Optional	The text of the question	Recommended	minOcc 0 maxOcc 1 **Type:** String
AllowedAnswerText	Optional Choice	The repeated answers along with the answer selected by the student	Optional Choice	minOcc 0 maxOcc 50
AnswerText	Optional Choice	The text of the answer if it is not presented as an alternative in Allowed Answers	Optional Choice	minOcc 0 maxOcc 1 minLen 0 maxLen ∞

Code Example:

```
<SurveyQuestionValue>
    <QuestionAreaCode>Biographical</QuestionAreaCode>
    <QuestionText>Where were your born?</QuestionText>
    <AnswerText>Des Moines Iowa</AnswerText>
</SurveyQuestionValue>
```

Appendix A – StateProvinceCode

StateProvinceCode	Description
AA	Military-Americas
AB	Alberta
AE	Military-Europe
AK	Alaska
AL	Alabama
AP	Military-Pacific
AR	Arkansas
AS	American Samoa
AZ	Arizona
BC	British Columbia
CA	California
CO	Colorado
CT	Connecticut
CZ	Canal Zone
DC	District Of Columbia
DE	Delaware
FL	Florida
FM	Federated States Of Micronesia
GA	Georgia
GU	Guam
HI	Hawaii
IA	Iowa
ID	Idaho
IL	Illinois
IN	Indiana
KS	Kansas
KY	Kentucky
LA	Louisiana
MA	Massachusetts
MB	Manitoba
MD	Maryland
ME	Maine
MH	Marshall Islands
MI	Michigan
MN	Minnesota
MO	Missouri
MP	Northern Mariana Islands
MS	Mississippi
MT	Montana
NB	New Brunswick
NC	North Carolina
ND	North Dakota
NE	Nebraska
NF	Newfoundland
NH	New Hampshire
NJ	New Jersey
NL	Newfoundland And Labrador
NM	New Mexico
NS	Nova Scotia
NT	Northwest Territories
NU	Nunavut
NV	Nevada
NY	New York
OH	Ohio
OK	Oklahoma
ON	Ontario
OR	Oregon
PA	Pennsylvania
PE	Prince Edward Island
PR	Puerto Rico
PW	Republic Of Palau
QC	Quebec
RI	Rhode Island
SC	South Carolina
SD	South Dakota
SK	Saskatchewan
TN	Tennessee
TX	Texas
UT	Utah
VA	Virginia
VI	Virgin Islands
VT	Vermont
WA	Washington
WI	Wisconsin
WV	West Virginia
WY	Wyoming
YT	Yukon

Appendix B – CountryCode

CountryCode	Description
AD	Andorra
AE	United Arab Emirates
AF	Afghanistan
AG	Antigua And Barbuda
AI	Anguilla
AL	Albania
AM	Armenia
AN	Netherlands Antilles
AO	Angola
AQ	Antarctica
AR	Argentina
AS	American Samoa
AT	Austria
AU	Australia
AW	Aruba
AX	Åland Islands
AZ	Azerbaijan
BA	Bosnia And Herzegovina
BB	Barbados
BD	Bangladesh
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BH	Bahrain
BI	Burundi
BJ	Benin
BM	Bermuda
BN	Brunei Darussalam
BO	Bolivia
BR	Brazil
BS	Bahamas
BT	Bhutan
BV	Bouvet Island
BW	Botswana
BY	Belarus
BZ	Belize
CA	Canada
CC	Cocos (Keeling) Islands
CD	Congo, The Democratic Republic Of The
CF	Central African Republic
CG	Congo
CH	Switzerland
CI	Cote D'ivoire
CK	Cook Islands
CL	Chile
CM	Cameroon
CN	China
CO	Colombia
CR	Costa Rica
CS	Serbia And Montenegro
CU	Cuba
CV	Cape Verde
CX	Christmas Island
CY	Cyprus
CZ	Czech Republic
DE	Germany
DJ	Djibouti
DK	Denmark
DM	Dominica
DO	Dominican Republic
DZ	Algeria
EC	Ecuador
EE	Estonia
EG	Egypt
EH	Western Sahara
ER	Eritrea
ES	Spain
ET	Ethiopia
FI	Finland
FJ	Fiji
FK	Falkland Islands (Malvinas)
FM	Micronesia, Federated States Of
FO	Faroe Islands
FR	France
GA	Gabon
GB	United Kingdom
GD	Grenada
GE	Georgia
GF	French Guiana
GG	Guernsey
GH	Ghana
GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe
GQ	Equatorial Guinea
GR	Greece
GS	South Georgia And The South Sandwich Islands
GT	Guatemala
GU	Guam
GW	Guinea Bissau
GY	Guyana
HK	Hong Kong
HM	Heard Island And Mcdonald Islands
HN	Honduras
HR	Croatia
HT	Haiti
HU	Hungary
ID	Indonesia
IE	Ireland
IL	Israel
IM	Isle of Man
IN	India
IO	British Indian Ocean Territory
IQ	Iraq
IR	Iran, Islamic Republic Of
IS	Iceland
IT	Italy
JE	Jersey
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan
KH	Cambodia
KI	Kiribati
KM	Comoros
KN	Saint Kitts And Nevis
KP	Korea, Democratic People's Republic Of
KR	Korea, Republic Of
KW	Kuwait
KY	Cayman Islands
KZ	Kazakhstan
LA	Lao People's Democratic Republic
LB	Lebanon
LC	Saint Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia

CountryCode	Description
LY	Libyan Arab Jamahiriya
MA	Morocco
MC	Monaco
MD	Moldova, Republic Of
ME	Montenegro
MF	Saint Martin
MG	Madagascar
MH	Marshall Islands
MK	Macedonia, The Former Yugoslav Republic Of
ML	Mali
MM	Myanmar
MN	Mongolia
MO	Macao
MP	Northern Mariana Islands
MQ	Martinique
MR	Mauritania
MS	Montserrat
MT	Malta
MU	Mauritius
MV	Maldives
MW	Malawi
MX	Mexico
MY	Malaysia
MZ	Mozambique
NA	Namibia
NC	New Caledonia
NE	Niger
NF	Norfolk Island
NG	Nigeria
NI	Nicaragua
NL	Netherlands
NO	Norway
NP	Nepal
NR	Nauru
NU	Niue
NZ	New Zealand
OM	Oman
PA	Panama
PE	Peru
PF	French Polynesia
PG	Papua New Guinea
PH	Philippines
PK	Pakistan
PL	Poland
PM	Saint Pierre And Miquelon
PN	Pitcairn
PR	Puerto Rico
PS	Palestinian Territory, Occupied
PT	Portugal
PW	Palau
PY	Paraguay
QA	Qatar
RE	Reunion
RO	Romania
RS	Serbia
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia
SB	Solomon Islands
SC	Seychelles
SD	Sudan
SE	Sweden
SG	Singapore
SH	Saint Helena
SI	Slovenia
SJ	Svalbard And Jan Mayen
SK	Slovakia
SL	Sierra Leone
SM	San Marino
SN	Senegal
SO	Somalia
SR	Suriname
ST	Sao Tome And Principe
SV	El Salvador
SY	Syrian Arab Republic
SZ	Swaziland
TC	Turks And Caicos Islands
TD	Chad
TF	French Southern Territories
TG	Togo
TH	Thailand
TJ	Tajikistan
TK	Tokelau
TL	Timor Leste
TM	Turkmenistan
TN	Tunisia
TO	Tonga
TR	Turkey
TT	Trinidad And Tobago
TV	Tuvalu
TW	Taiwan, Province Of China
TZ	Tanzania, United Republic Of
UA	Ukraine
UG	Uganda
UM	United States Minor Outlying Islands
US	United States
UY	Uruguay
UZ	Uzbekistan
VA	Holy See (Vatican City State)
VC	Saint Vincent And The Grenadines
VE	Venezuela
VG	Virgin Islands, British
VI	Virgin Islands, U.S.
VN	Viet Nam
VU	Vanuatu
WF	Wallis And Futuna
WS	Samoa
YE	Yemen
YT	Mayotte
ZA	South Africa
ZM	Zambia
ZW	Zimbabwe

Appendix C − StudentLevelCodes

K-12
Infant
PreKindergarten
Kindergarten
FirstGrade
SecondGrade
ThirdGrade
FourthGrade
FifthGrade
SixthGrade
SeventhGrade
EighthGrade
NinthGrade
TenthGrade
EleventhGrade
TwelfthGrade
PostsecondaryBachelorPreliminaryYear

College
NonDegree
CollegeFirstYear
CollegeFirstYearAttendedBefore
CollegeSophomore
CollegeJunior
CollegeSenior
CollegeFifthYear
PostBaccalaureate
GraduateNonDegree
GraduateFirstYear
GraduateSecondYear
GraduateThirdYear
GraduateBeyondThirdYear

Professional/Advanced
Professional
ProfessionalFirstYear
ProfessionalSecondYear
ProfessionalThirdYear
ProfessionalBeyondThirdYear
MastersQualifying
Masters
Doctoral
Postdoctoral

Appendix D – CourseAcademicGradeScaleCode

I. Five or more passing grades (alpha with +/-)												
Code	**Grades Used**											
Wt	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7	0.0
01	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
02	A+,A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
03	A		B+	B		C+	C		D+	D		F
04	A+, A		B+	B		C+	C		D+	D		F
05	A+, A	A-	B+	B	B-	C+	C	C-	D+	D		F
06	A	A-	B+	B	B-	C+	C	C-				F
07	A		B+	B		C+	C			D		F
08	A	A-	B+	B	B-	C+	C	C-	D+	D		F
09	A	A-	B+	B	B-	C+	C	C-		D		F
10	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E/NC
11	A+, A	A-	B+	B	B-	C+	C	C-				
12	A+, A	A-	B+	B	B-	C+	C	C-	D+	D	D-	
13	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	
14	Non-standard system using 5 or more alpha grades, no "F"											
15	Non-standard system using 5 or more alpha grades, and "F"											

II. ABCD/F with Halfstep Grades (AB, BC, etc.)									
Code	**Grades Used**								
Wt	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5	0.0
16	A	AB	B	BC	C	CD	D	DF	F
17	A	AB	B	BC	C		D		F
18	A		B	C+	C		D		F
19	A	B+	B	C+	C	D+	D		F
20	A	B+	B	C+	C		D		F
21	A	B+	B	C+	C	C-	D		F
22	A+,A	B+	B	C+	C	D+	D		F
23	Other ABCDF system with halfstep grades, no "F" grade								
24	Other ABCDF system with halfstep grades and "F" grade								

Appendix D – CourseAcademicGradeScaleCode (Continued)

III. ABCD/F Type (4 passing letter grades)					
Code	**Grades Used**				
Wt	4.0	3.0	2.0	1.0	0.0
25	A	B	C	D	F
26	A	B	C	D	NC/N
27	A	B	C	D	E
28	H	S+	S	S-	U
29	E	S	M	I	F
30	DN	HP	P	HCO	NC
31	D	E	G	Q	U/F
32	H	E	G	P	U
33	S	H	P	LP	F
34	E	VG	G	P	F
35	HO	HP	PA	CR	NC
36	A	B	C	D	
37	A	B	C	D	U/R
38	Other ABCD/F type system, no "F" grade				
39	Other ABCD/F type system, with "F" grade				

IV. ABC/F Type (3 passing letter grades)				
Code	**Grades Used**			
Wt	4.0	3.0	2.0	0.0
40	A	B	C	F
41	H	HP	CR	NC
42	H	HP	P	F
43	A	B	C	NC
44	A	B	C	
45	H	HP	P	NP
46	HH	H	P	
47	HH	H	P	F
48	E	G	P	U/F
53	Other ABC/F type system, with no "F" grade			
54	Other ABC/F type system, with "F" grade			

Appendix D – CourseAcademicGradeScaleCode (Continued)

V. Graduate School Grading Systems (not normally found in Manual)					
Code	**Grades Used**				
Wt	4.0	3.7	3.0	2.7	0.0
49	H	HP	P	LP	U/F
50	H	HP	P		F
51	DIST	HIGH PASS	PASS	LOW PASS	F
52	H	HP	P		U

VI. Pass/Fail Type (one or two passing grades)	
Code	**Grades Used**
Two passing grades, each converted to an American Medical Colleges Admissions Service (AMCAS) grade of "P"; failing grade converted to "N"	
55	Pass/Fail: HP and P, F
56	Pass/Fail: H and P, F
57	Pass/Fail: HP and P, N/NC
58	Pass/Fail: H and P, U
59	Other Pass/Fail types with two passing grades
One passing grade, converted to AMCAS grade of "P"; failing grade converted to AMCAS grade of "N"	
60	Pass/Fail: P, F
61	Pass/Fail: SAT, U
62	Pass/Fail: CR, NC
63	Pass/Fail: S, U
64	Other Pass/Fail types with one passing grade

Appendix D – CourseAcademicGradeScaleCode (Continued)

VII. Numeric - Percent Type												
Code	**Grades Used**											
Wt	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7	0.0
65	100-93	92-90	89-87	86-83	82-80	79-77	76-73	72-70	69-67	66-63	62-60	59-0
66	100-90			89-80			79-70			69-60		59-0
67	100-94	93-90		89-85			84-75			74-70		69-0
68	100-90			89-80			79-70			69-65		64-0
69	100-93			92-85			84-77			76-70		69-0
70	100-93			92-84			83-75			74-70		69-0
71	100-90			89-80		79-76	75-70			69-60		59-0
72	100-90		89-85	84-80		79-75	74-70					69-0
73	Other numeric grading system - percent type											

VIII. Numeric - Percent Type												
Code	**Grades Used**											
Wt	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7	0.0
74	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7	0.0
77	1			2			3			4		5
79	4.0			3.0			2.0			1.0		0.0
80	1+,1	1-	2+	2	2-	3+	3	3-	4+	4	4-	5/6
81	3.0			2.0			1.0					0.0
82	Other numeric grading system - 4.0 or integer type											

IX. Numeric (4.0 type) Grading Systems using Halfstep Grades									
Code	**Grades Used**								
Wt	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5	0.0
76	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5	0.0
78	4.0	3.5	3.0	2.5	2.0		1.0		0.0
82	Other numeric grading system - 4.0 or integer type								
75	Continuous 4.0 scale (4.0 to 0.0)								

Appendix D – CourseAcademicGradeScaleCode (Continued)

X. Numeric - Canadian Type												
Code	**Grades Used**											
Wt	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7	0.0
83	9	8	7		6	5		4	3			2,1
84	10,9	8	7		6	5		4	3	2	1	0
85	100-87	86-80	79-76	75-73	72-70	69-66	65-63	62-60	59-56	55-53	52-50	49-0
86	100-84	83-75	74-72	71-69	68-66	65-64	63-62	61-60	59-56	55-53	52-50	49-0
87	100-87	86-80	79-75	74-70	69-65	64-60	59-55	54-50				49-0
88	100-87	86-80	79-75	74-70	69-65	64-62	61-59	58-55	54-52	51-48	47-45	44-0
89	Other numeric grading system – Canadian											
99	Grading Scale Unknown											

Appendix E – Nonstandardized Test Conditions

Reason Type	Code	Comments
Standard Administration	NoModification	Normal administration
	DiagnosticPurpose	Used for diagnostic
	ExperiencePurpose	Used for Experience
	OutOflevel	No norms for this group
Nonstandard Resources Provided	ForeignLanguageDictionary	Provided with a dictionary
	ItemInterpreter	Provided with an interpreter
	SignLanguageInterpreter	
	Audio/VideoTapeReview	
Nonstandard method for recording answers	AmanuensisOrRecorder	Another person recorded the answers
	MarkOnBooklet	The answers were marked on the booklet
	ScribeMarkReponses	Scribe marks were used
	Typewriter	Answers were completed with typewriter
	AdjustableTableHeight	Special table accommodations
Nonstandard Test Environment	FlexibleSetting	
	SeparateRoom	
	SpecialFurniture	
	SpecialLighting	
Nonstandard Equipment	EnlargedKeyboard	
	HeadMouse	
	Trackball	
Nonstandard scheduling of test	ExtraBreak	
	ExtraTime	
	FlexibleSchedule	
	MultiDay	
	Untimed	
Nonstandard test presentation method or format	Braille	
	LargePrint	
	Reader	
	RevisedDirections	
	RevisedFormat	
	SignLanguageReader	
	VideotapeScripts	
Other Nonstandard contitions	UnusualTestingEvent	
	OtherNonStandardCondition	

Appendix F – Test Codes and Test Names

Academic Tests

Test Code	Test Name
ACT	The ACT
ACTExplore	ACT EXPLORE
ACTInterestInventory	ACT Interest Inventory
ACTPlan	ACT PLAN
ACTWorkKeys	ACT WorkKeys
APArtDrawing	College Board Adv Placement in Art - Drawing
APArtGeneral	College Board Adv Placement in Art - General
APBiology	College Board Adv Placement in Biology
APCalculusAB	College Board Adv Placement in Calculus AB
APCalculusBC	College Board Adv Placement in Calculus BC
APChemistry	College Board Adv Placement in Chemistry
APComputerScienceA	College Board Adv Placement in Computer Science A
APComputerScienceB	College Board Adv Placement in Computer Science B
APEconomicsMacro	College Board Adv Placement in Economics Macro
APEconomicsMicro	College Board Adv Placement in Economics Micro
APEnglishLanguageComposition	College Board Adv Placement in English Language Composition
APFrenchLanguage	College Board Adv Placement in French Language
APFrenchLiterature	College Board Adv Placement in French Literature
APGermanLanguage	College Board Adv Placement in German Language
APGovernmentPoliticsComparative	College Board Adv Placement in Government & Politics - Comparative
APGovernmentPoliticsUS	College Board Adv Placement in Government & Politics - US
APHistoryArt	College Board Adv Placement in Art History
APHistoryEurope	College Board Adv Placement in European History
APHistoryUS	College Board Adv Placement in US History
APLatinCatHor	College Board Adv Placement in Latin Cat Hor
APLatinVergil	College Board Adv Placement in Latin - Vergil
APMusicListeningLiterature	College Board Adv Placement in Music Listening & Literature
APMusicTheory	College Board Adv Placement in Music Theory
APPhysics	College Board Adv Placement in Physics
APPhysicsEngineeringMechanics	College Board Adv Placement in Physics C - E & M
APPhysicsMechanics	College Board Adv Placement in Physics C - Mech
APPsychology	College Board Adv Placement in Psychology

Test Code	Test Name
APSpanishLanguage	College Board Adv Placement in Spanish Language
APSpanishLiterature	College Board Adv Placement in Spanish Literature
CAHSEE	California High School Exit Exam
CLEPAccountingFinancial	College Level Examination Program - Finacial Accounting
CLEPAlgebraCollege	College Level Examination Program - College Algebra
CLEPBiology	College Level Examination Program - Biology
CLEPBusinessLawIntroduction	College Level Examination Program - Introduction to Business Law
CLEPCalculus	College Level Examination Program - Calculus
CLEPChemistry	College Level Examination Program - Chemistry
CLEPCompositionCollegeFreshman	College Level Examination Program - Freshman College Composition
CLEPCompsitionEnglish	College Level Examination Program - EnglishComposition
CLEPEconomicsMacro	College Level Examination Program - Principles of Macroeconomics
CLEPEconomicsMicro	College Level Examination Program - Principles of Microeconomics
CLEPEnglishComposition	College Level Examination Program - English Composition
CLEPFrenchLanguage	College Level Examination Program - French Language (Levels 1 and 2)
CLEPGermanLanguage	College Level Examination Program - German Lanaguage (Levels 1 and 2
CLEPGovernmentAmerican	College Level Examination Program - American Government
CLEPHistoryUSfrom1865	College Level Examination Program - U.S. History II:1865 to Present
CLEPHistoryUSto1877	College Level Examination Program - U.S. History I: Early Colonization to 1877
CLEPHumanGrowthDevelopment	College Level Examination Program - Human Growth and Development
CLEPHumanities	College Level Examination Program - Humanities
CLEPInformationSystems	College Level Examination Program - Information Systems and Computer Applications
CLEPLanguageSpanish	College Level Examination Program - Spanish Language (Levels 1 and 2)
CLEPLiteratureAmerican	College Level Examination Program - American Literature
CLEPLiteratureAnalysisAndInterpretating	College Level Examination Program - Analyzing and Interpreting Literature
CLEPLiteratureEnglish	College Level Examination Program - Enlgish Literature
CLEPManagement	College Level Examination Program - Principles of Management

Test Code	Test Name
CLEPMarketing	College Level Examination Program - Principles of Marketing
CLEPMath	College Level Examination Program - Mathematics
CLEPMathematicsCollege	College Level Examination Program - College Mathematics
CLEPPrecalculus	College Level Examination Program - Precalculus
CLEPPsychologyEducational	College Level Examination Program - Educational Psychology
CLEPPsychologyIntroductory	College Level Examination Program - Introductory Psychology
CLEPSciencesNatural	College Level Examination Program - Natural Sciences
CLEPSocialSciencesAndHistory	College Level Examination Program - Social Sciences and History
CLEPSocialSciencesHistory	College Level Examination Program - Social Sciences and History
CLEPSociologyIntroductory	College Level Examination Program - Introductory Sociology
CLEPWesternCivilizationFrom1648	College Level Examination Program - Western Civilization II: 1648 to Present
CLEPWesternCivilizationTo1648	College Level Examination Program - Western Civilization I: Ancient Near East to 1648
GED	General Education Development
GMAT	GMAT (Graduate Management Admission Test)
GRE	Graduate Record Examination General Test (ETS)
GREBiochemistryCellMolecular	Graduate Record Examination General Test (ETS)
GREBiology	Graduate Record Examination - Biology
GREChemistry	Graduate Record Examination - Chemistry
GREComputerScience	Graduate Record Examination - Computer Science
GRELiteratureEnglish	Graduate Record Examination - Literature in English
GREMathematics	Graduate Record Examination - Mathematics
GREPhysics	Graduate Record Examination - Physics
GREPsychology	Graduate Record Examination - Psychology
IELTS	International English Language Testing System (Cambridge)
InternationalBaccalaureate	International Baccalaureate
LSAT	Law School Admission Test
MCAT	Medical Colleges Admissions Test
SAT	SAT Reasoning Test
SATBiology	SAT Subject Test - Biology E/M
SATChemistry	SAT Subject Test - Chemistry
SATChineseListening	SAT Subject Test - Chinese with Listening
SATFrench	SAT Subject Test - French
SATFrenchListening	SAT Subject Test - French Listening

Test Code	Test Name
SATGerman	SAT Subject Test - German
SATGermanListening	SAT Subject Test - German Listening
SATHebrew	SAT Subject Test - Hebrew
SATHebrewModern	SAT Subject Test - Modern Hebrew
SATHistoryWorld	SAT Subject Test - World History
SATItalian	SAT Subject Test - Italian
SATJapaneseWithListening	SAT Subject Test - Japanese with Listening
SATKoreanListening	SAT Subject Test - Korean with Listening
SATLatin	SAT Subject Test - Latin
SATLiterature	SAT Subject Test - Literature
SATMath1	SAT Subject Test - Mathematics Level I
SATMath2	SAT Subject Test - Mathematics Level II
SATPhysics	SAT Subject Test - Physics
SATSpanish	SAT Subject Test - Spanish
SATSpanishListening	SAT Subject Test - Spanish with Listening
SATSpanishListening	SAT Subject Test - Spanish Listening
SATUSHistory	SAT Subject Test - American History
TABE	Test of Adult Basic Education
TOEFL	Test of English as a Foreign Language
OtherTest	Test not listed. Use TestName to identify the test
OtherStateTest	State test not listed. Use TestName to identify the state test

Appendix G – Subtest Codes

Subtest Code	Subtest Name
Algebra	Algebra
Algebra1	Algebra 1
AlgebraGeometryCoordinate	Algebra/Coordinate Geometry
Analytical	Analytical Writing
Biochemistry	Biochemistry
Biology	Biology
BiologyCell	Cell Biology
BiologyCellularAndMolecular	Cellular and Molecular Biology
BiologyMolecularAndGenetics	Molecular Biology and Genetics
BiologyOrganismal	Organismal Biology
Chemistry	Chemistry
CompositeScore	Composite
Comprehension	Comprehension
Computation	Computation
ConceptsApplications	Concepts/Applications
EcologyAndEvolution	Ecology and Evolution
English	English
EnglishA	English A
EnglishB	English B
EnglishLanguageArts	English-Language Arts
EnglishRhetoricalSkills	English: Rhetorical Skills
EnglishTestOfStandardWritten	Test of Standard Written English
EnglishUsageMechanics	English: Usage/Mechanics
Essay	Essay 1
Expression	Expression
Fit	Personal Skills: Fit
GeometryTrigonometry	Geometry/Trigonometry
HistoryAmerican	History (American)
HistoryEuropean	History (European)
InformationLocating	Locating Information
InterestArts	Interest in Arts
InterestBusinessContact	Interest in Business Contact
InterestBusinessContact	Interest in Business Contact
InterestBusinessOperrations	Interest in Business Operations
InterestScience	Interest in Science and Technology
InterestSocialService	Interest in Social Service
InterestTechnical	Interest in Technical
LanguageArts	Language Arts
LanguageForeignA	Foreign Language A
LanguageForeignB	Foreign Language B
Listening	Listening
ListeningComprehension	Listening Comprehension
LiteraryResponses	Literary Responses and Analysis
LiteratureAndArtsInterpreting	Interpreting Literature and the Arts
Math	Mathematics

Subtest Code	Subtest Name
Math	Mathematical
MathAlgebraPreAlgebra	Mathematics: Pre-algebra/Algebra
MathApplied	Applied Mathematics
MathElementaryPreAlgebra	Mathematics: Pre-algebra/elementary
MathGeometry	Mathematics: Geometry
MathIntermediate	Mathematics: Intermediate
MathPlaneGeometryTrigonometry	Mathematics: Plane Geometry and Trigonometry
MeasurementAndGeometry	Measurement & Geometry
Mechanics	Mechanics
NumberSense	Number Sense
Observation	Observation
Performance	Personal Skills: Performance
Physics	Physics
ProbabilityAndStatistics	Probability and Statistics
PsychologyExperimental	Experimental Psychology
PsychologySocial	Social Psychology
Quantitative	Quantitative
Readin	Reading
Reading	Reading
ReadingArtsLiterature	Reading: Arts/Literature
ReadingComprehension	Reading Comprehension
ReadingInformational	Reading for Information
ReadingSocialStudiesScience	Reading: Social Studies/Science
Science	Science
SocialStudies	Social Studies
Spelling	Spelling
Talent	Personal Skills: Talent
Teamwork	Teamwork
TechnologyApplied	Applied Technology
Total	Total
TotalScore	Total
Usage	Usage
Verbal	Verbal
Vocabulary	Vocabulary
WordAnalysis	Word Analysis
Writing	Writing
Writing	Writing Skills
WritingAnalytic	Analytical Writing Assessment
WritingBusiness	Business Writing
WritingConventions	Writing Conventions
WritingEnglish	Combined Writing/English
WritingStrategies	Writing Strategies
WrittenExpressionAndStructure	Structure and Written Expression
OtherSubtest	Subtest not listed. Use SubtestName to identify the subtest

Appendix H – Activity Codes

Category	Activity Code
Clubs	BoyScouts
Clubs	Club4H
Clubs	ClubArt
Clubs	ClubCareer
Clubs	ClubChess
Clubs	ClubComputer
Clubs	ClubDistributiveEducationAmerica
Clubs	ClubDrama
Clubs	ClubEnvironmental
Clubs	ClubEthnic
Clubs	ClubForeignLanguage
Clubs	ClubFrench
Clubs	ClubFutureBusinessLeadersAmerica
Clubs	ClubFutureFarmersAmerica
Clubs	ClubFutureHomemakersAmerica
Clubs	ClubFutureTeachersAmerica
Clubs	ClubGerman
Clubs	ClubHealthOccupationsStudentsAmerica
Clubs	ClubItalian
Clubs	ClubLatin
Clubs	ClubOther
Clubs	ClubPortuguese
Clubs	ClubRussian
Clubs	ClubScience
Clubs	ClubSpanish
Clubs	ClubSpeechDebate
Clubs	ClubStudentsAgainstDrunkDriving
Clubs	Fraternity
Clubs	GirlScouts
Clubs	KeyClub
Clubs	PeerCounseling
Clubs	Sorority
Clubs	Tutoring
HonorSociety	AcademicHonorSociety
HonorSociety	AcademicTeamBrainBowl
HonorSociety	ClubBeta
HonorSociety	ClubMuAlphaTheta
HonorSociety	ClubPsiEtaScience
HonorSociety	NationalForensicsLeague

Category	Activity Code
HonorSociety	NationalHonorSociety
HonorSociety	ThespianSociety
Inventions	Invention
Inventions	Patent
Inventions	Research
Journalism	Broadcasting
Journalism	Journalism
Journalism	JournalismOther
Journalism	LiteraryMagazine
Journalism	YearBook
Leadership	ClassOfficer
Leadership	ClassPresident
Leadership	StudentBodyOfficer
Leadership	StudentBodyPresident
Leadership	StudentLeadershipOther
PerformingArts	ArtGraphicDesign
PerformingArts	Band
PerformingArts	Chorus
PerformingArts	Dance
PerformingArts	DanceTeam
PerformingArts	DrillTeam
PerformingArts	JazzEnsemble
PerformingArts	MusicInstrumental
PerformingArts	MusicOther
PerformingArts	MusicTheoryComposition
PerformingArts	MusicVocal
PerformingArts	Orchestra
PerformingArts	PerformingArtsOther
PerformingArts	TheaterDrama
Publications	Dissertation
Publications	NovelBook
Publications	Poetry
Publications	ProfessionalPresentation
Publications	ProfessionalScholarlyArticle
Publications	ProseShortStory
Publications	PublicationOther
Publications	Textbook
Publications	Thesis
Publications	UnpublishedManuscript
Sports	Archery
Sports	Badminton
Sports	Baseball

Category	Activity Code
Sports	Basketball
Sports	Bowling
Sports	Boxing
Sports	Cheerleading
Sports	Crew
Sports	CrossCountry
Sports	Diving
Sports	DivingScuba
Sports	Fencing
Sports	Football
Sports	Golf
Sports	Gymnastics
Sports	HandballTeam
Sports	HockeyField
Sports	HockeyIce
Sports	HorsebackRiding
Sports	Lacrosse
Sports	ManagerTeam
Sports	MartialArts
Sports	Polo
Sports	PoloWater
Sports	Racquetball
Sports	Riflery
Sports	Rodeo
Sports	Rugby
Sports	Sailing
Sports	Skiing
Sports	Soccer
Sports	Softball
Sports	SportOther
Sports	Squash
Sports	Swimming
Sports	SwimmingSynchronized
Sports	Tennis
Sports	TennisTable
Sports	TrackField
Sports	Volleyball
Sports	Wrestling
Volunteering	ChurchService
Volunteering	CommunityService
Volunteering	VolunteeringOther
Volunteering	VolunteerWork

Appendix I – Language Codes

Language Code	Description
AAR	Afar
ABK	Abkhazian
ACE	Achinese
ACH	Acoli
ADA	Adangme
ADY	Adyghe; Adygei
AFA	Afro-Asiatic (Other)
AFH	Afrihili
AFR	Afrikaans
AIN	Ainu
AKA	Akan
AKK	Akkadian
ALB	Albanian
ALE	Aleut
ALG	Algonquian Languages
ALT	Southern Altai
AMH	Amharic
ANG	English, Old (ca. 450-1100)
ANP	Angika
APA	Apache Languages
ARA	Arabic
ARC	Aramaic (700-300 BCE); Imperial Aramaic (700-300 BCE)
ARG	Aragonese
ARM	Armenian
ARN	Mapudungun; Mapuche
ARP	Arapaho
ART	Artificial (Other)
ARW	Arawak
ASM	Assamese
AST	Asturian; Bable
ATH	Athapascan Languages
AUS	Australian Languages
AVA	Avaric
AVE	Avestan
AWA	Awadhi
AYM	Aymara
AZE	Azerbaijani
BAD	Banda Languages
BAI	Bamileke Languages
BAM	Bambara
BAN	Balinese
BAQ	Basque
BAS	Basa
BAT	Baltic (Other)
BEJ	Beja
BEL	Belarusian
BEM	Bemba
BEN	Bengali
BER	Berber (Other)
BHO	Bhojpuri

Language Code	Description
BIH	Bihari
BIK	Bikol
BIN	Bini; Edo
BIS	Bislama
BLA	Siksika
BNT	Bantu (Other)
BOD	Tibetan
BOS	Bosnian
BRA	BRAJ
BRE	Breton
BTK	Batak Languages
BUA	Buriat
BUG	Buginese
BUL	Bulgarian
BYN	Bilin; Blin
CAD	Caddo
CAI	Central American Indian (Other)
CAR	Galibi Carib
CAT	Catalan; Valencian
CAU	Caucasian (Other)
CEB	Cebuano
CEL	Celtic (Other)
CES	Czech
CHA	Chamorro
CHB	Chibcha
CHE	Chechen
CHG	Chagatai
CHI	Chinese
CHK	Chuukese
CHM	Mari
CHN	Chinook Jargon
CHO	Choctaw
CHP	Chipewyan
CHR	Cherokee
CHU	Church Slavic; Old Slavonic; Church Slavonic; Old Bulgarian; Old Church Slavonic
CHV	Chuvash
CHY	Cheyenne
CMC	Chamic Languages
COP	Coptic
COR	Cornish
COS	Corsican
CPE	Creoles and Pidgins, English Based (Other)
CPF	Creoles and Pidgins, French Based (Other)
CPP	Creoles and Pidgins, Portuguese Based (Other)
CRE	Cree
CRH	Crimean Tatar; Crimean Turkish
CRP	Creoles and Pidgins (Other)
CSB	Kashubian
CUS	Cushitic (Other)
CYM	Welsh
CZE	Czech
DAK	Dakota

Language Code	Description
DAN	Danish
DAR	Dargwa
DAY	Dayak (Land) Languages
DEL	Delaware
DEN	Slave (Athapascan)
DEU	German
DGR	Dogrib
DIN	Dinka
DIV	Divehi; Dhivehi; Maldivian
DOI	Dogri
DRA	Dravidian (Other)
DSB	Lower Sorbian
DUA	Duala
DUM	Dutch, Middle (ca. 1050–1350)
DUT	Dutch; Flemish
DYU	Dyula
DZO	Dzongkha
EFI	Efik
EGY	Egyptian (Ancient)
EKA	Ekajuk
ELL	Greek, Modern (1453-)
ELX	Elamite
ENG	English
ENM	English, Middle (1100-1500)
EPO	Esperanto
EST	Estonian
EUS	Basque
EWE	Ewe
EWO	Ewondo
FAN	Fang
FAO	Faroese
FAS	Persian
FAT	Fanti
FIJ	Fijian
FIL	Filipino; Pilipino
FIN	Finnish
FIU	Finno-Ugrian (Other)
FON	Fon
FRA	French
FRE	French
FRM	French, Middle (ca. 1400-1600)
FRO	French, Old (842-ca. 1400)
FRR	Frisian, Northern
FRS	Frisian, Eastern
FRY	Frisian, Western
FUL	Fulah
FUR	Friulian
GAA	Ga
GAY	Gayo
GBA	Gbaya
GEM	Germanic (Other)
GEO	Georgian

Language Code	Description
GER	German
GEZ	Geez
GIL	Gilbertese
GLA	Gaelic; Scottish Gaelic
GLE	Irish
GLG	Galician
GLV	Manx
GMH	German, Middle High (ca.1050-1500)
GOH	German, Old High (ca. 750-1050)
GON	Gondi
GOR	Gorontalo
GOT	Gothic
GRB	Grebo
GRC	Greek, Ancient (to 1453)
GRE	Greek, Modern (1453-)
GRN	Guarani
GSW	Swiss German, Alemannic
GUJ	Gujarati
GWI	Gwich'in
HAI	Haida
HAT	Taitian; Haitian Creole
HAU	Hausa
HAW	Hawaiian
HEB	Hebrew
HER	Herero
HIL	Hiligaynon
HIM	Himigaynon
HIN	Hindi
HIT	Hittite
HMN	Hmong
HMO	Hiri Motu
HRV	Croatian
HSB	Sorbian (Upper)
HUN	Hungarian
HUP	Hupa
HYE	Armenian
IBA	Iban
IBO	Igbo
ICE	Icelandic
IDO	Ido
III	Sichuan Yi
IJO	Ijo Languages
IKU	Inuktitut
ILE	Interlingue
ILO	Iloko
INA	Interlingua (International Auxiliary Language Association)
INC	Indic (Other)
IND	Indonesian
INE	Indo-European (Other)
INH	Ingush
IPK	Inupiaq
IRA	Iranian (Other)

Language Code	Description
IRO	Iroquoian Languages
ISL	Icelandic
ITA	Italian
JAV	Javanese
JBO	Lojban
JPN	Japanese
JPR	Judeo-Persian
JRB	Judeo-Arabic
KAA	Kara-Kalpak
KAB	Kabyle
KAC	Kachin; Jingpho
KAL	Greenlandic; Kalaallisut
KAM	Kamba
KAN	Kannada
KAR	Karen Languages
KAS	Kashmiri
KAT	Georgian
KAU	Kanuri
KAW	Kawi
KAZ	Kazakh
KBD	Kabardian
KHA	Khasi
KHI	Khoisan (Other)
KHM	Khmer (Central)
KHO	Khotanese
KIK	Kikuyu; Gikuyu
KIN	Kinyarwanda
KIR	Kirghiz; Kyrgyz
KMB	Kimbundu
KOK	Konkani
KOM	Komi
KON	Kongo
KOR	Korean
KOS	Kosraean
KPE	Kpelle
KRC	Karachay-Balkar
KRL	Karelian
KRO	Kru Languages
KRU	Kurukh
KUA	Kuanyama; Kwanyama
KUM	Kumyk
KUR	Kurdish
KUT	Kutenai
LAD	Ladino
LAH	Lahnda
LAM	Lamba
LAO	Lao
LAT	Latin
LAV	Latvian
LEZ	Lezghian
LIM	Limburgan; Limburger; Limburgish
LIN	Lithuanian

Language Code	Description
LOL	Mongo
LOZ	Lozi
LTZ	Luxembourgish; Letzeburgesch
LUA	Luba-Lulua
LUB	Luba-Katanga
LUG	Ganda
LUI	Luiseno
LUN	Lunda
LUO	Luo (Kenya and Tanzania)
LUS	Lushai
MAC	Macedonian
MAD	Madurese
MAG	Magahi
MAH	Marshallese
MAI	Maithili
MAK	Makasar
MAL	Malayalam
MAN	Mandingo
MAO	Maori
MAP	Austronesian (Other)
MAR	Marathi
MAS	Masai
MAY	Malay
MDF	Moksha
MDR	Mandar
MEN	Mende
MGA	Irish, Middle (900-1200)
MIC	Mi'kmaq; Micmac
MIG	Malagasy
MIN	Minangkabau
MIS	Uncoded Languages
MKD	Macedonian
MKH	Mon-Khmer (Other)
MLT	Maltese
MNC	Manchu
MNI	Manipuri
MNO	Manobo Languages
MOH	Mohawk
MOL	Moldavian
MON	Mongolian
MOS	Mossi
MRI	Maori
MSA	Malay
MUL	Multiple Languages
MUN	Munda Languages
MUS	Creek
MWL	Mirandese
MWR	Marwari
MYA	Burmese
MYA	Burmese
MYN	Mayan Languages
MYV	Erzya

Language Code	Description
NAH	Nahuatl Languages
NAI	North American Indian
NAP	Neapolitan
NAU	Nauru
NAV	Navajo; Navaho
NBL	Nddbele, South; South Ndebele
NDE	Ndebele, North; North Ndebele
NDO	Ndonga
NDS	Low German; Low Saxon; German, Low; Saxon, Low
NEP	Nepali
NEW	Nepal Bhasa; Newari
NIA	Nias
NIC	Niger-Kordofanian (Other)
NIU	Niuean
NLD	Dutch, Flemish
NNO	Norwegian Nynorsk; Nynorsk, Norwegian
NOB	Bokmål, Norwegian; Norwegian Bokmål
NOG	Nogai
NON	Norse, Old
NOR	Norwegian
NQO	N'Ko
NSO	Northern Sotho; Pedi; Sepedi
NUB	Nubian Languages
NWC	Nepal Bhasa, Classical; Classical Newari
NYA	Nyanja; Chichewa; Chewa
NYM	Nyamwezi
NYN	Nyankole
NYO	Nyoro
NZI	Nzima
OCI	Occitan (post 1500); Provençal
OJI	Ojibwa
ORI	Oriya
ORM	Oromo
OSA	Osage
OSS	Ossetian; Ossetic
OTA	Turkish, Ottoman (1500-1928)
OTO	Otomian Languages
PAA	Papuan (Other)
PAG	Pangasinan
PAL	Pahlavi
PAM	Pampanga
PAN	Panjabi; Punjabi
PAP	Papiamento
PAU	Palauan
PEO	Persian, Old (ca. 600-400 B.C.)
PER	Persian
PHI	Philippine (Other)
PHN	Phoenician
PLI	Pali
POL	Polish
PON	Pohnpeian
POR	Portuguese

Language Code	Description
PRA	Prakrit Languages
PRO	Provençal, Old (to 1500)
PUS	Pushto
QAA	Reserved for Local Use
QTZ	Reserved for Local Use
QUE	Quechua
RAJ	Rajasthani
RAP	Rapanui
RAR	Rarotongan; Cook Islands Maori
ROA	Romance (Other)
ROH	Romansh
ROM	Romany
RON	Romanian
RUM	Romanian
RUN	Rundi
RUP	Aromanian, Arumanian; Macedo-Romanian
RUS	Russian
SAD	Sandawe
SAG	Sango
SAH	Yakut
SAI	South American Indian (Other)
SAL	Salishan Languages
SAM	Samaritan Aramaic
SAN	Sanskrit
SAS	Sasak
SAT	Santali
SCC	Serbian
SCN	Sicilian
SCO	Scots
SCR	Croatian
SEL	Selkup
SEM	Semitic (Other)
SGA	Irish, Old (to 900)
SGN	Sign Languages
SHN	Shan
SID	Sidamo
SIN	Sinhala; Sinhalese
SIO	Siouan Languages
SIT	Sino-Tibetan (Other)
SLA	Slavic (Other)
SLK	Slovak
SLO	Slovak
SLV	Slovenian
SMA	Southern Sami
SME	Northern Sami
SMI	Sami Languages (Other)
SMJ	Lule Sami
SMN	Inari Sami
SMO	Samoan
SMS	Skolt Sami
SNA	Shona
SND	Sindhi

Language Code	Description
SNK	Soninke
SOG	Sogdian
SOM	Somali
SON	Songhai Languages
SOT	Sotho, Southern
SPA	Spanish, Castilian
SQI	Albanian
SQI	Albanian
SRD	Sardinian
SRN	Sranan Tongo
SRP	Serbian
SRR	Serer
SSA	Nilo-Saharan (Other)
SSW	Swati
SUK	Sukuma
SUN	Sundanese
SUS	Susu
SUX	Sumerian
SWA	Swahili
SWE	Swedish
SYC	Syriac, Classical
SYR	Syriac
TAH	Tahitian
TAI	Tai (Other)
TAM	Tamil
TAT	Tatar
TEL	Telugu
TEM	Timne
TER	Tereno
TET	Tetum
TGK	Tajik
TGL	Tagalog
THA	Thai
TIB	Tibetan
TIB	Tibetan
TIG	Tigre
TIR	Tigrinya
TIV	Tiv
TKL	Tokelau
TLH	TlhIngan-Hol; Klingon
TLI	Tlingit
TMH	Tamashek
TOG	Tonga (Nyasa)
TON	Tonga (Tonga Islands)
TPI	Tok Pisin
TSI	Tsimshian
TSN	Tswana
TSO	Tsonga
TUK	Turkmen
TUM	Tumbuka
TUP	Tupi Languages
TUR	Turkish

Language Code	Description
TUT	Altaic (Other)
TVL	Tuvalu
TWI	Twi
TYV	Tuvinian
UDM	Udmurt
UGA	Ugaritic
UIG	Uighur; Uyghur
UKR	Ukrainian
UMB	Umbundu
UND	Undetermined
URD	Urdu
UZB	Uzbek
VAI	Vai
VEN	Venda
VIE	Vietnamese
VOL	Volapük
VOT	Votic
WAK	Wakashan Languages
WAL	Walamo
WAR	Waray
WAS	Washo
WEL	Welsh
WEN	Sorbian Languages
WLN	Walloon
WOL	Wolof
XAL	Kalmyk; Oirat
XHO	Xhosa
YAO	Yao
YAP	Yapese
YID	Yiddish
YOR	Yoruba
YPK	Yupik Languages
ZAP	Zapotec
ZEN	Zenaga
ZHA	Zhuang; Chuang
ZHO	Chinese
ZND	Zande languages
ZUL	Zulu
ZUN	Zuni
ZXX	No linguistic content
ZZA	Zaza; Dimili; Dimli; Kirdki; Kirmanjki; Zazaki

Appendix J – Religious Affilliation Codes

Code	Name
01	African Methodist Episcopal
02	Agnostic
03	Anglican
04	Apostolic Christian
05	Assemblies of God
06	Atheist
07	Baha'i Faith
08	Baptist
09	Baptist (Conservative)
10	Baptist (Other)
11	Baptist (Southern)
12	Buddhist
13	Campus Crusade for Christ
14	Catholic
15	Catholic (Greek)
16	Catholic (Other)
17	Catholic (Roman)
18	Christian
19	Christian (Disciples of Christ)
20	Christian (Other)
21	Christian Brethren (Plymouth Brethren)
22	Christian Reformed
23	Christian Science
24	Church of Christ
25	Church of God
26	Church of the Nazarene
27	Congregational
28	Coptic
29	Eastern Christian Orthodox
30	Episcopal
31	Evangelist
32	First Christian
33	Grace Reformed
34	Great Commission
35	Hindu
36	Interdenominational
37	Intervarsity Christian Fellowship
38	Jain
39	Jehovah's Witnesses
40	Jewish
41	Jewish (Conservative)
42	Jewish (Orthodox)
43	Jewish (Other)
44	Jewish (Reform)
45	Latter day Saint (Mormon)
46	Lutheran (Missouri Synod)
47	Lutheran (National Conference)
48	Lutheran (Unspecified)
49	Lutheran (Wisconsin)

50	Mennonite
51	Methodist
52	Muslim
53	Navigators
54	Non Christian (Other)
55	None
56	Other Religion
57	Pentecostal
58	Presbyterian
59	Presbyterian (Reformed)
60	Protestant
61	Protestant (Other)
62	Reorganized Latter day Saint
63	Seventh Day Adventist
64	Sikh
65	Society of Friends
66	Trinity Church
67	Unification
68	Unified Family
69	Unitarian Universalists
70	United Church
71	Wesleyan
72	World Wide Discipleship
ZZ	Not found in table. Free form name of religion to follow.

Appendix K – XML Sample

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