Implementation Guide

to the

Postsecondary Electronic Standards Council

XML Standard Format

for the

Student Transcript Acknowledgment

Version 1.0.0

D R A F T

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Introduction

For the secondary and higher education communities to achieve the timely, uniform, accurate, and secure exchange of academic records for current or previous secondary and postsecondary students, the Postsecondary Electronic Standards Council (PESC) Student Transcript Acknowledgment Workgroup has developed and seeks approval for a standard format in eXtensible Markup Language (XML) for the Transcript Acknowledgment.

This Draft Implementation Guide proposes a format for acknowledging the receipt of an electronic high school or postsecondary student record (transcript) and can help non-technical users to implement the electronic records exchange process. Besides its obvious use for secondary and postsecondary educational institutions, this Guide should also be useful for software vendors and state and federal education agencies.

Educational institutions use high school and postsecondary transcripts to transmit current and historical student academic records to other educational institutions. When a student intends to transfer from one school to another school, it is essential that the student's academic record be made available to the receiving school as quickly as possible so that the receiving institution can make a faster admissions decision. In addition, the prompt transmission of the student's prior academic record allows the receiving institution to evaluate the record in a more timely fashion and thereby to advise the student on the applicability of past courses to current program requirements. It is also important for the school sending the electronic transcript to know that the student's academic record was, in fact, received by the new school or agency and that it was received in an accurate and complete manner.

This Implementation Guide is based on the PESC XML Student Transcript Acknowledgment Schema draft version 1.0.0. For the electronic exchange of these student records to be completely automated, it is essential that all users adhere strictly to the requirements of this Schema, and understand and also comply with the requirements outlined in this Guide.

Purpose of the Student Transcript Acknowledgment

The Student Transcript Acknowledgment record is used to ensure that

a. The original transcript did, in fact, come from the proper office at the educational institution indicated as the sender or source, and

b. Certain key elements of the student transcript were received as they were sent, and

c. The sending institution of the original transcript will have proof that the transcript was received by the recipient institution or agency so that it can communicate the receipt and the date and time of the receipt to the student whose transcript was sent, and

d. If a student transcript acknowledgment is received, and the institution indicated as the sending institution of the original transcript has no record that a student transcript was sent electronically, then the sending institution can initiate an inquiry to determine if a fraudulent transcript was sent on behalf of the student.

Techniques for Use of the Student Transcript Acknowledgment

By Sender of Original Student Transcript: It is expected that each institution that sends an XML Student Transcript will also anticipate receiving an acknowledgment document. Therefore, when the Student Transcript Acknowledgment is received, it can automatically be compared with the transcript that was sent to insure that certain key pieces of information in the acknowledgment are identical to those in the original transcript sent. These key pieces of information are

a. Tracking ID of the original transcript

b. Name of student

c. GPA sent in the first occurrence of the academic summary record in the first occurrence of the academic record. For the transcript, this is in Student. AcademicRecord. AcademicSummary

d. Total number of all academic awards included in the original transcript for the student

e. Total number of all academic courses included in the original transcript for the student.

Upon receipt of the Student Transcript Acknowledgment, the sending institution's computer will verify that the information (noted in a. – e. above) received, compares with what was originally sent in the transcript. Any discrepancies should be carefully rechecked and resolved. This may require personal contact with the other institution.

An important discrepancy would be in the event of receipt of a Student Transcript Acknowledgment that does not match any Student Transcript sent to that institution. In this case an immediate investigation should be launched to determine if a simple error was made by the sender or the receiver of the Student Transcript, or if a fraudulent transcript might have been received by the other institution.

In addition, most schools that sent the original transcript will also capture the date and time that the transcript was received by the destination institution and make this information available in its data system so it will also be available for the student involved. A follow-up system should also be developed for personal intervention if no transcript acknowledgment is received after a reasonable amount of time.

By Receiver of the Original Student Transcript: It is expected that each receiver of an XML Student Transcript will acknowledge the receipt to the original sender by use of this Student Transcript Acknowledgment schema. This process should be automated so that the creation of the acknowledgment schema will be as immediate as possible.

The simplest plan would be to copy:

a. All the information (data elements and data) from the "Transmission. Source" complex data element in the original Student Transcript document and place it in the "Transmission. Destination" area of the Student Transcript Acknowledgment document; and

b. All the information (data elements and data) from the "Transmission. Destination" complex data element in the original Student Transcript document and place it in the "Transmission. Source" area of the Student Transcript Acknowledgment document; and

c. The "TransmissionData. DocumentID" in the original Student Transcript document and place it in the "TransmissionData. RequestTrackingID" of the Student Transcript Acknowledgment document; and

d. The "Student. Person. Name" complex data element from the original Student Transcript document and place it in "Person. Name" of the Student Transcript Acknowledgment document; and

e. The first occurrence of "Student. AcademicRecord. AcademicSummary" from the original Student Transcript document and place it in the "Person. AcademicSummary" of the Student Transcript Acknowledgment document.

Then, count the number of occurrences of "Student. AcademicRecord. AcademicAward" plus the number of occurrences of "Student. AcademicRecord. AcademicSession. AcademicAward" in the original Student Transcript document and place that number in "TotalAcademicAwards" of the Student Transcript Acknowledgment document.

Then, count the number of occurrences of "Student. AcademicRecord. Course" plus the number of occurrences of "Student. AcademicRecord. AcademicSession. Course" in the original Student Transcript document and place that number in "TotalCourses" of the Student Transcript Acknowledgment document.

Finally, complete the remaining data elements in the "TransmissionData" complex data element.

Organization and Format

The schema for the Student Transcript Acknowledgment is made up of six main parts:

1. Transmission Data
2. Person
3. Academic Summary
4. Academic Award Total
5. Course Total
6. Note Message

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

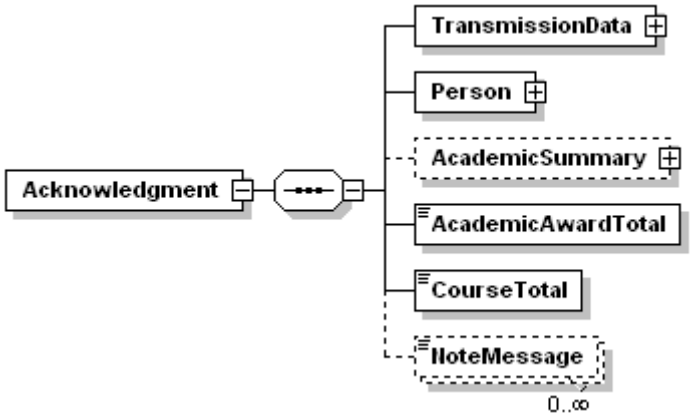
Transmission Data Level I
- Sub-level IA
  - Sub-level IA1
    - Sub-level IA1a
    - Sub-level IA1b
    - Sub-level IA1c
  - Sub-level IA2
    - Sub-level IA2a
    - Sub-level IA2b
- Sub-level IB
  - Sub-level IB1
    - Sub-level IB1a

Person Data Level I

(Etc.)

The heading at the top of each page 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 Student Transcript Acknowledgment Schema using a software package from Altova Corporation called XMLSpy.

Example:



The boxes in the diagrams can illustrate two separate components of the Schema: first, certain boxes show data element groupings which branch out to form either lower-level element groupings, or the Schema's other primary component, the fields that contain actual data. 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 connected to the right in the diagram are required fields and a dotted line indicates the fields connected to 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 the repeatability of a field or data element. 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 instance document, 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.

Under each diagram, a table will appear 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 Student Transcript Acknowledgment with real data for an actual student record that was received.) 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 transcript will normally be rejected by the computer program (XML Parser) of the receiving institution or agency. 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 Student Transcript Acknowledgment Schema, standards of good practice as defined by the Academic Record and Transcript Guide of the American Association of Collegiate Registrars and Admissions Officers (AACRAO), and generally recommended practices for exchanging electronic transcripts. Reaching consensus on the recommended use of data elements and fields was an additional task for the PESC Student Transcript Acknowledgment 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 school, 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.

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 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. 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 the Student Transcript Acknowledgment. In these cases, the recommended use may be designated as "Not Recommended."

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.

"**minLength**" indicates the minimum number of characters that a field must contain, while "**maxLength**" 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, "minLength" and "maxLength" 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 "minLength" and "maxLength" 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 Illustration: 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 D shows an example of an XML instance document for a student transcript acknowledgment. This example is not intended to match the Code Illustrations throughout the Guide, since a typical Student Transcript Acknowledgment 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.

Development History and Acknowledgments

The American Association of Collegiate Registrars and Admissions Officers (AACRAO) Committee on the Standardization of Postsecondary Education Electronic Data Exchange (SPEEDE) began working on a national standard format for the electronic exchange of postsecondary student records in 1989. Initially the work of the committee was funded by AACRAO. At about the same time, the US Department of Education's National Center for Education Statistics (NCES) began developing a national standard format for the electronic exchange of student records for kindergarten through high school students. The K12 community was primarily represented by the Council of Chief State School Officers (CCSSO). To gain more credibility in the creation and widespread adoption of the standards, the two groups (AACRAO and NCES) approached the American National Standards Institute's (ANSI) Accredited Standards Committee (ASC) X12 for assistance in developing and approving the two standard formats.

ASC X12 reviewed the two proposals and insisted that only one standard be developed and approved. That standard would be the Pre-Kindergarten through Postsecondary Education Student Record. At that time, NCES decided to fund the travel of the AACRAO SPEEDE Committee as well as those working on the K-12 standard. The ASC X12 Standard in the Electronic Data Interchange (EDI) format was approved in the early 1990's as ANSI ASC X12 Transaction Set 130 for the Student Educational Record (Transcript).

Once the EDI format for the Student Transcript was approved by ANSI ASC X12, work began to develop the Student Educational Record (Transcript) Acknowledgment. This standard was later approved as EDI Transaction Set 131 (TS131).

During this time period (before the Internet was widely available), the format stressed the transmission of as much data as possible using the fewest characters. This emphasis emerged because transmission costs were based on the number of characters or bytes being sent over the Value Added Electronic Networks (VANs).

The ANSI ASC X12 EDI Standard is now in use by a significant number of postsecondary institutions in the United States and Canada. Approximately 600,000 postsecondary transcripts are exchanged electronically in the EDI format through the University of Texas at Austin Internet Server in the ASC X12 EDI format each year. At the secondary level, Florida schools exchange a significant number of electronic high school transcripts, because the state mandates the exchange in its proprietary format. Iowa and Maryland also have significant volumes of electronic exchange.

The number of transcripts exchanged electronically in the ASC X12 EDI format grows significantly each year. However, the education community felt that an alternative format should be explored. In the view of many, the perceived complexity of implementing the EDI standards was one of the reasons that more schools did not use the EDI format.

The Postsecondary Electronic Standards Council (PESC) commissioned this exploration by creating the XML Forum (now known as the Standards Forum). The Forum sought to determine if an XML format might result in significantly increased electronic exchange of high school student educational records. The wide and relatively inexpensive availability of XML software tools and the already existing and pervasive use of XML by many schools' information technology staffs made the XML process appear to have a much better chance of rapid acceptance and implementation by both secondary and postsecondary educational institutions.

The early efforts of the XML Forum emphasized the creation of standard reusable core components. Once the Forum made significant progress with this work, PESC agreed to develop an XML Standard Format for the College Transcript to demonstrate that this could be done.

Bruce Marton from the University of Texas at Austin led this effort and received the bulk of his support from the AACRAO SPEEDE Committee that had developed the earlier EDI standard. PESC approved the XML standard for the College Transcript in May 2004.

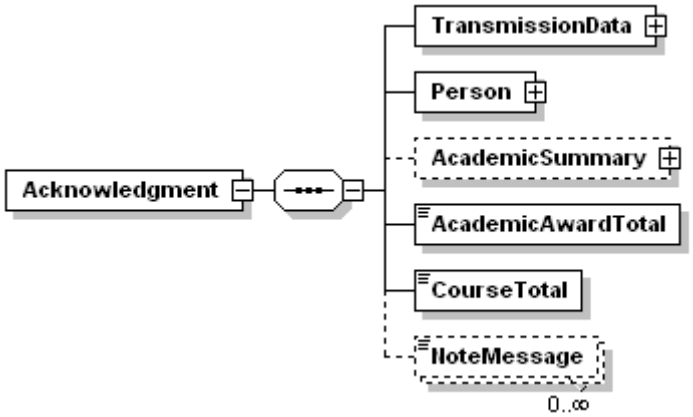
The approval of the XML College Transcript generated considerable interest in the creation of an XML High School Transcript. Bruce Marton reviewed the ANSI ASC X12 EDI version of the transcript, which included both the College Transcript and the High School Transcript and noted many similarities.

Under Bruce's leadership, the AACRAO SPEEDE Committee created a very rough draft of a proposed instance document for an XML High School Transcript in late summer of 2004. A Workgroup was appointed to discuss and develop the proposed schema and this Workgroup completed its work on a proposed schema in late 2005. This proposal was submitted to the PESC Change Control Board (CCB) in early April 2006 and the CCB approved it later that month. It was approved as a PESC Standard in June 2006.

The AACRAO SPEEDE Committee began developing a draft XML schema for a Student Transcript Acknowledgment in October 2005. The need for, and uses of, this schema were pointed out above. A sample of a Student Transcript Acknowledgment instance document is outlined in Appendix D.

To assist in the review for approval by the PESC Change Control Board, the Workgroup has prepared this draft of an Implementation Guide.

Student Transcript Acknowledgment



Tag Name	Schema Use	Description	Recommended Use	Format
TransmissionData	Required	Routing and header information	Required	minOcc 1 maxOcc 1
Comment: *This complex data element will be expanded and explained more fully on page 3 of this document.*				
Person	Required	Body of document which identifies the person (student) whose transcript was received and that receipt is now being acknowledged	Required	minOcc 1 maxOcc 1
Comment: *This complex data element will be expanded and explained more fully on page 32 of this document.*				
AcademicSummary	Optional	Provides the overall academic GPA for the student transcript being acknowledged.	Recommended	minOcc 0 maxOcc 1
Comment: *In the original transcript received and now being acknowledged, there are two occurrences of Academic Summary. The one referenced and included here is the first occurrence which typically provides the summary for the entire record. Regardless, this is the academic summary found in the original transcript at Student.AcademicRecord.AcademicSummary. It is recommended that the original student transcript document include the cumulative summary record in this position and then also include this same Academic Summary record in the Acknowledgment document. This complex data element will be expanded and explained more fully on page 50 of this document.*				
AcademicAwardTotal	Required	The total number of academic awards reported on the original student transcript being acknowledged	Required	minOcc 1 maxOcc 1 minValue 0 maxValue 9999
Comment: *This is a number which totals all of the occurrences of the "AcademicAward" which appear in the original transcript being acknowledged. It is the total of the awards included in "Student.AcademicRecord.AcademicAward" as well as "Student.AcademicRecord.AcademicSession.AcademicAward". Although it would not be appropriate to include the same award in both places, if the original transmission of the transcript included it twice, it would also be counted twice in the Acknowledgment.*				
CourseTotal	Required	The total number of academic courses reported on the original student transcript being acknowledged	Required	minOcc 1 maxOcc 1 minValue 0 maxValue 9999
Comment: *This is a number which totals all of the occurrences of the data element "Course" which appear in the original transcript being acknowledged. It is the total of the courses included in "Student.AcademicRecord.Course" as well as "Student.AcademicRecord.AcademicSession.Course". Although it would not be appropriate to include the same course in both places, if the original transmission of the transcript included it twice, it would also be counted twice in the Student Transcript Acknowledgment.*				
NoteMessage	Optional Repeatable	Additional information about transcript acknowledgment	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80

Code illustration:

```
<TrnAck:TranscriptAcknowledgment
 XMLns:HSTrn="urn:org:pesc:message:TranscriptAcknowledgment:v1.0.0"
XMLns:AcRec="urn:org:pesc:sector:AcademicRecord:v1.2.0"
XMLns:core="urn:org:pesc:core:CoreMain:v1.3.0"
XMLns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:org:pesc:message:
TranscriptAcknowledgment:v1.0.0
/TranscriptAcknowledgment_v1.0.0.xsd">
      <TransmissionData>

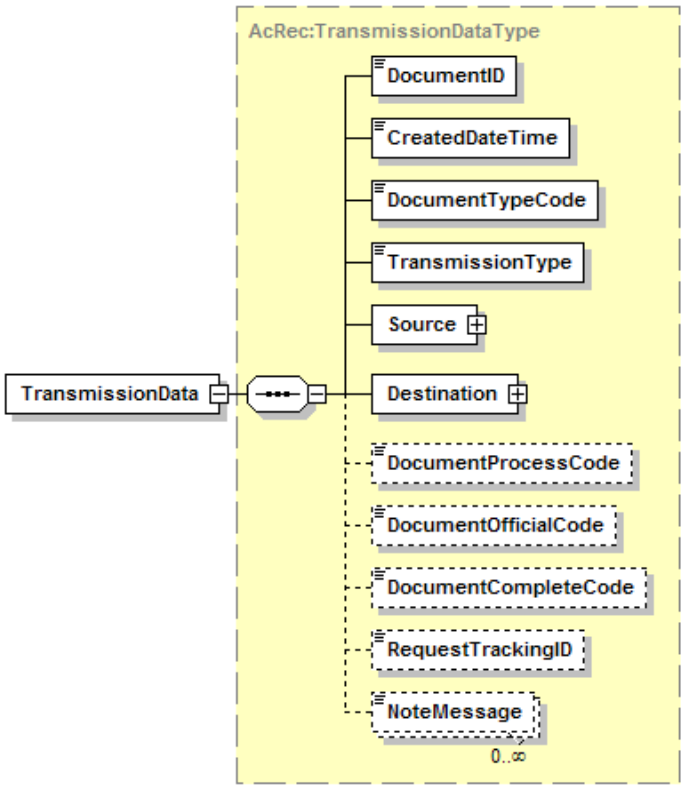
      </TransmissionData>
      <Person>

      </Person>
      <AcademicSummary>

      </AcademicSummary>
      <AcademicAwardTotal>1</AcademicAwardTotal>
      <CourseTotal>32</CourseTotal>
      <NoteMessage/>

</TrnAck: TranscriptAcknowledgment>
```

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 minLength 1 maxLength 35
Comment: *All this information is for the student transcript acknowledgment document being returned as a result of the receipt of a student high school or college transcript.*				
CreatedDateTime	Required	The Date and Time stamp when this acknowledgment document was created	Required	minOcc 1 maxOcc 1 xs:datetime ccyy-mm-ddThh:ii:ss{+-GMT]
Comment: *All this information is for the student transcript acknowledgment being returned as a result of the receipt of a student high school or college transcript.*				
DocumentTypeCode	Required	Type and purpose of document being transmitted	Required	minOcc 1 maxOcc 1 **Enumeration:** Change TermEnroll TermGrade StudentRequest RequestedRecord InstitutionRequest ThirdPartyRequest TranscriptAcknowledgment
Comment: The appropriate value here would be “TranscriptAcknowledgment”.				

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
Comment: *The value to be used when a student transcript was received and is now being acknowledged is "Original".*				
Source	Required	This field is required and it is essential to indicate the source of the Student Transcript Acknowledgment being sent. It is college or agency that received the original transcript and is typically a copy of the "Destination" in the transcript being acknowledged.	Required	minOcc 1 maxOcc 1
Comment: *This complex data element will be expanded and explained more fully on page 6 of this document.*				
Destination	Required	This field is required and it is essential to indicate the destination of the Student Transcript Acknowledgment which should be a copy of the source complex data element of the student transcript being acknowledged.	Required	minOcc 1 maxOcc 1
Comment: *This complex data element will be expanded and explained more fully on page 19 of this document.*				
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 or testing purposes but may not be binding.	Required if Unofficial; "Official" implied, not recommended	minOcc 0 maxOcc 1 **Enumeration:** Official Unofficial
Comment: *It is always assumed that the electronic Student Transcript Acknowledgment is Official. If for whatever reason, the Acknowledgment is not official (which would be very unusual), then the value "Unofficial" would be sent. Otherwise, this data element would not normally be included in the Acknowledgment document.*				
DocumentCompleteCode	Optional	This element indicates whether the document conveys a complete record.	Required if not complete; "Complete" is implied, not recommended	minOcc 0 maxOcc 1 **Enumeration:** Partial Complete
Comment: *It would be **very** unusual to send a partial acknowledgment. Therefore, this transmission is assumed to be complete, and this data element would not be included in the instance document.*				
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 minLength 1 maxLength 35
Comment: *The value to be included in this data element is the DocumentID received with the original high school or college transcript whose receipt is being acknowledged.*				

NoteMessage	Optional Repeatable	Additional information about transmission	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80

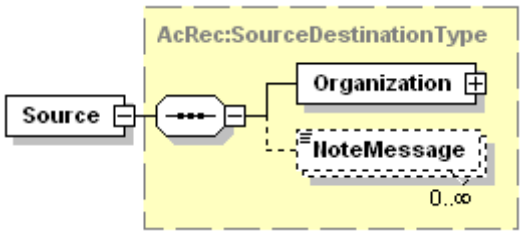
Code illustration:

```
<TransmissionData>
    <DocumentID>20061234567</DocumentID>
    <CreatedDateTime>2006-02-04T09:30:47-05:00</CreatedDateTime>
    <DocumentTypeCode>TranscriptAcknowledgment</DocumentTypeCode>
    <TransmissionType>Original</TransmissionType>
    <Source>

    </Source>
    <Destination>

    </Destination>
    <DocumentProcessCode/>
    <DocumentOfficialCode/>
    <DocumentCompleteCode/>
    <RequestTrackingID>20060012345</RequestTrackingID>
    <NoteMessage/>
</TransmissionData>
```

TransmissionData.Source



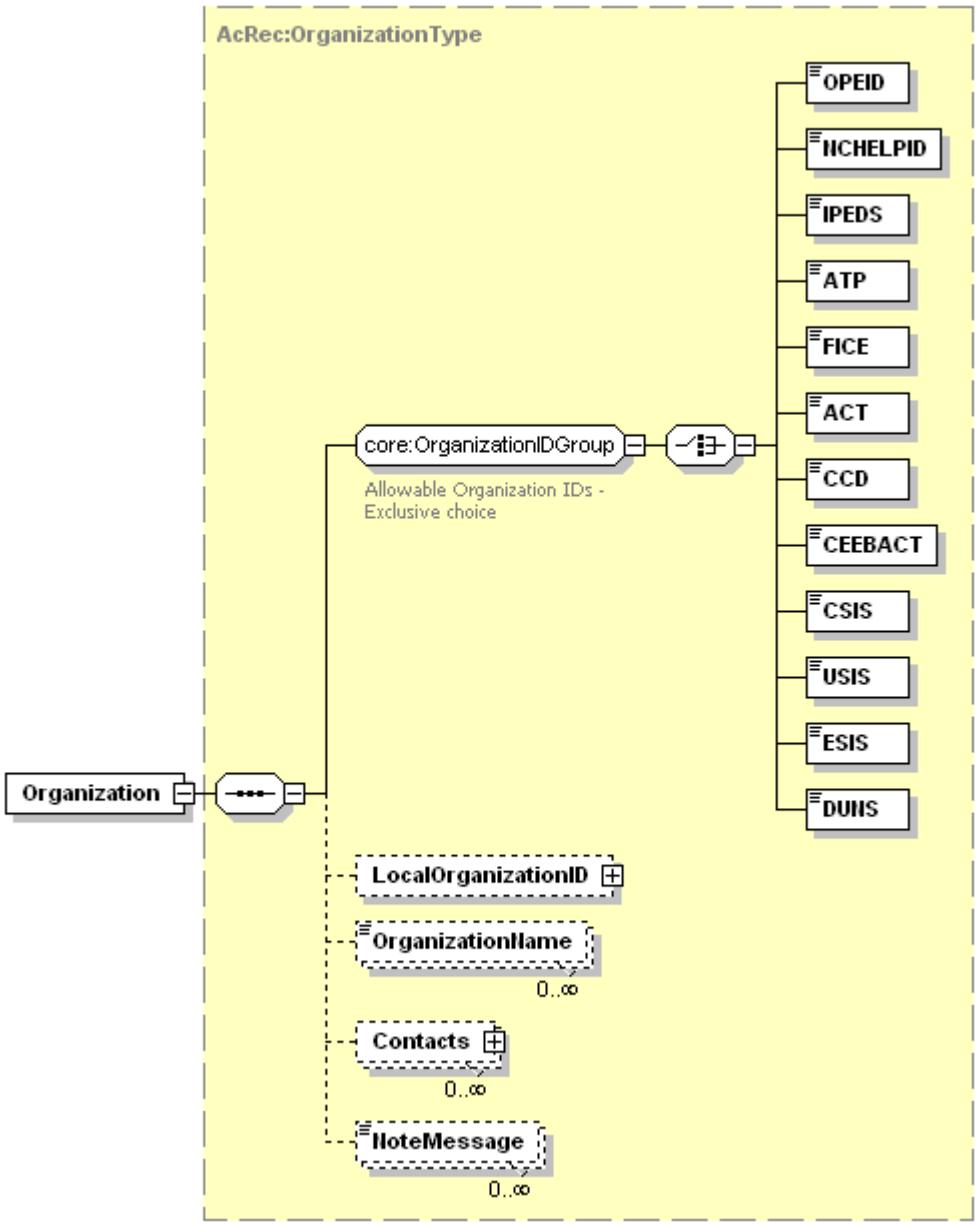
Tag Name	Schema Use	Description	Recommended Use	Format
Organization	Required	Non-person entity such as Organization, Institution, Agency or Business.	Required	minOcc 1 maxOcc 1
Comment: *This is the information about the postsecondary institution or agency that is acknowledging the receipt of a student transcript. This complex data element will be expanded and explained more fully on page 7 of this document.*				
NoteMessage	Optional Repeatable	Additional information about Organization	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This gives information about the institution or agency that is acknowledging the receipt of a student high school or college transcript.*				

Code illustration:

```
<Source>
    <Organization>

    </Organization>
    <NoteMessage/>
</Source>
```

TransmissionData.Source.Organization



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 that is acknowledging the receipt of a student transcript. This would be the same as the destination OrganizationIDGroup in the original XML transcript that was received and is being acknowledged.*				
OPEID	Required choice	The unique identifier assigned by the Office of Postsecondary Education for each data exchange partner.	Recommended	minOcc 0 maxOcc 1 minLength 3 maxLength 8

Tag Name	Schema Use	Description	Recommended Use	Format
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 minLength 3 maxLength 8
Comment: *The NCHELPID would not normally be an appropriate choice in this case since neither high school nor college transcripts are normally generated by 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 each postsecondary data exchange partner.	Recommended	minOcc 0 maxOcc 1 minLength 6 maxLength 6
ATP	Required choice	The unique identifier for the Admissions Testing Program assigned by the College Board for each data exchange partner.	Recommended	minOcc 0 maxOcc 1 minLength 6 maxLength 6
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.	Recommended	minOcc 0 maxOcc 1 minLength 6 maxLength 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.*				
ACT	Required choice	The unique identifier for postsecondary educational institutions assigned by American College Testing available at www.act.org	Recommended	minOcc 0 maxOcc 1 minLength 4 maxLength 4
CCD	Required choice	The unique identifier assigned by National Center for Education Statistics as the Common Core of Data for each data exchange partner.	Recommended	minOcc 0 maxOcc 1 minLength 12 maxLength 12
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 minLength 6 maxLength 6
CSIS	Required choice	The unique identifier assigned by the Statistics Canada Canadian College Student Information System for each postsecondary data exchange partner.	Recommended	minOcc 0 maxOcc 1 minLength 6 maxLength 6
USIS	Required choice	The unique identifier assigned by the Statistics Canada University Student Information System for each data postsecondary exchange partner.	Recommended	minOcc 0 maxOcc 1 minLength 6 maxLength 6
ESIS	Required choice	The unique identifier assigned by the Statistics Canada Enhanced Student Information System for each data postsecondary exchange partner.	Recommended	minOcc 0 maxOcc 1 minLength 8 maxLength 8
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 minLength 9 maxLength 9
Comment: *End of OrganizationIDGroup choice set tags. One of the above values must be included and it should be the one that was received in the TransmissionData.Destination portion of the original student transcript docment.*				

Tag Name	Schema Use	Description	Recommended Use	Format
LocalOrganizationID	Optional	A code set typically used by a state, province or region to further identify the sending school.	Optional	minOcc 0 maxOcc 1
Comment: *This complex data element will be expanded and explained more fully on page 10 of this document.*				
OrganizationName	Optional Repeatable	Name of Non-person entity such as Organization, Institution, Agency or Business.	Recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 60
Comment: *This is the name of the college or agency sending the student transcript acknowledgment.*				
Contacts	Optional Repeatable	To identify a person or an office at the sending school to which administrative communications should be directed	Recommended	minOcc 0 maxOcc ∞
Comment: *This complex data element will be expanded and explained more fully on page 11 of this document.*				
NoteMessage	Optional Repeatable	Additional information about the organization	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section for the source organization of the Student Transcript Acknowledgment should just be copied completely from the destination organization of the original transcript being acknowledged.*				

Code illustration:

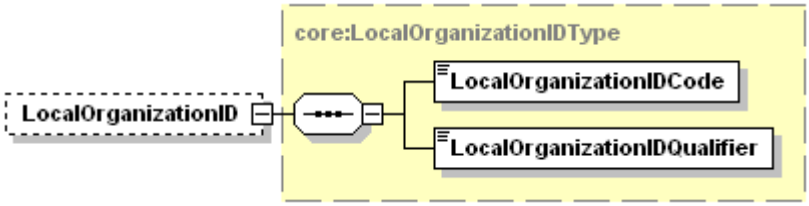
```
<Organization>
    <ATP>006882</ATP>
        <LocalOrganizationID>

        </LocalOrganizationID>
    <OrganizationName>THE UNIVERSITY OF TEXAS AT AUSTIN</OrganizationName>
    <Contacts>

    </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 send both LocalOrganizationIDCode and LocalOrganizationIDQualifier.

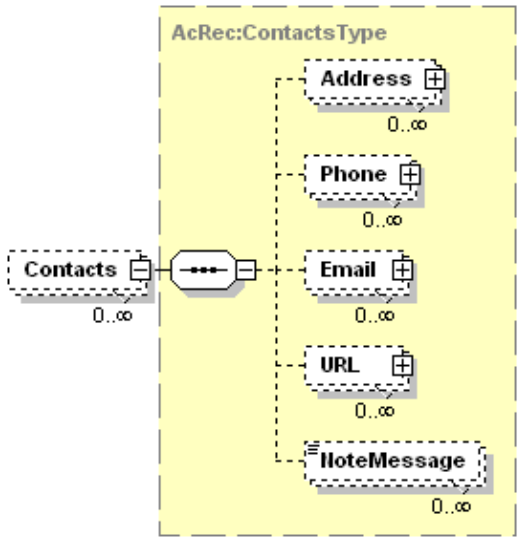


Tag Name	Schema Use	Description	Recommended Use	Format
LocalOrganizationIDCode	Required	The code assigned for the sending school or agency by the state, province or other mutually defined agency specified in the LocalIDQualifier that follows.	Required	minOcc 1 maxOcc 1 minLength 1 maxLength 35
Comment: *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 ID Code above.	Required	minOcc 1 maxOcc 1 **Enumeration:** See Code Set in 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.*				
Comment: *This entire section pertains to the college or agency that received the original student transcript. It should mirror the same section, if any, that was received with the original transcript being acknowledged. If it was not included in the original transcript for the destination of the transcript, it should not be included here.*				

Code illustration:

```
<LocalOrganizationID>
        <LocalOrganizationIDCode>012587</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	Recommended	minOcc o maxOcc ∞
Comment: *This complex data element will be expanded and explained more fully on page 13 of this document.*				
Phone	Optional Repeatable	Phone number of source institution contact	Recommended	minOcc o maxOcc ∞
Comment: *This complex data element will be expanded and explained more fully on page 16 of this document.*				
Email	Optional Repeatable	Email address of source institution contact	Optional	minOcc o maxOcc ∞
Comment: *This complex data element will be expanded and explained more fully on page 17 of this document.*				
URL	Optional Repeatable	The Uniform Resource Locator of source institution	Optional	minOcc o maxOcc ∞
Comment: *This complex data element will be expanded and explained more fully on page 18 of this document.*				
NoteMessage	Optional Repeatable	Additional information about the contacts at the source institution	Not recommended	minOcc o maxOcc ∞ minLength 1 maxLength 80
Comment: *This should be a copy of the contact information that was received in the original student transcript document for the transmission data destination. Although it is possible for the sender of the Student Transcript Acknowledgment document to include more up to date info in this area, it is recommended that no changes be made to this contact information that was received with the original student transcript.*				

Code illustration:

```
<Contacts>
    <Address>

    </Address>
    <Phone>

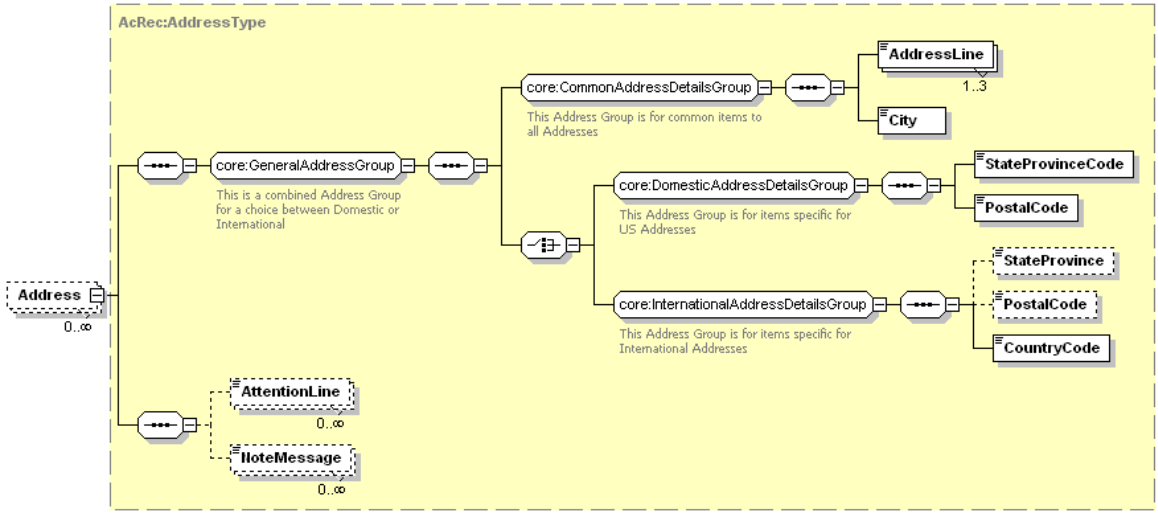
    </Phone>
    <Email>

    </Email>
    <URL>

    </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 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 transcript, 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 college or agency that is acknowledging the receipt of the transcript.	Required	minOcc 1 maxOcc 3 minLength 1 maxLength 40
City	Required	The city portion of the Address of a Contact at the college or agency that is acknowledging the receipt of the transcript.	Required	minOcc 1 maxOcc 1 minLength 2 maxLength 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 minLength 1 maxLength 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 minLength 2 maxLength 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 minLength 1 maxLength 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
AttentionLine	Optional	The individual or office name within the postal address where inquiries should be directed.	Optional	minOcc 1 maxOcc ∞ minLength 1 maxLength 45
Comment: *This might be used to indicate where questions about the record should be sent. For example, Registrar, Dirctor of Admissions, or Agency Head,*				
NoteMessage	Optional Repeatable	Additional information about the addresses of the contacts at the source school	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section would normally be created by the sender of this acknowledgment by copying the corresponding complex data element in the TransmissionData.Destination.Organization.Contacts.Address portion of the original student transcript being acknowledged.*				

Code illustration 1 (Domestic Address):

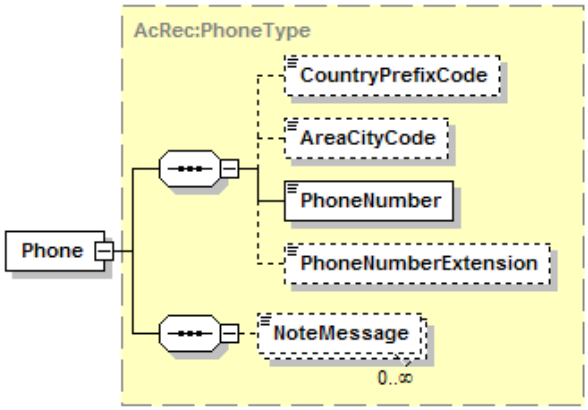
```
<Address>
        <AddressLine> 1 University Station Stop</AddressLine>
    <City>Austin</City>
    <StateProvinceCode>TX</StateProvinceCode>
    <PostalCode>78712</PostalCode>
    <AttentionLine>Janet Doe</AttentionLine>
        <AttentionLine>Admissions Officer</AttentionLine>
    <NoteMessage/>
</Address>
```

Code illustration 2 (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 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 minLength 1 maxLength 3
AreaCityCode	Optional	Regional dialing code	Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 5
PhoneNumber	Required	Telephone number	Required	minOcc 1 maxOcc 1 minLength 1 maxLength 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 minLength 1 maxLength 5
NoteMessage	Optional Repeatable	Additional information about the phone number of the contact at the source institution	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section need not be included if it was not included in the destination portion of the original transcript being acknowledged as received by the institution or agency sending this acknowledgment.*				

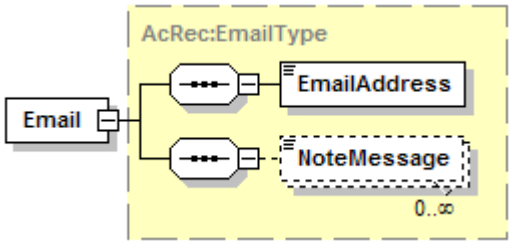
Code illustration:

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

    <Phone>
    <CountryPrefixCode/>
    <AreaCityCode>512</AreaCityCode>
    <PhoneNumber>4747935</PhoneNumber>
        <PhoneNumberExtension/>
            <NoteMessage>Fax</NoteMessage>
</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 Institution, then you must send the data element EmailAddress.



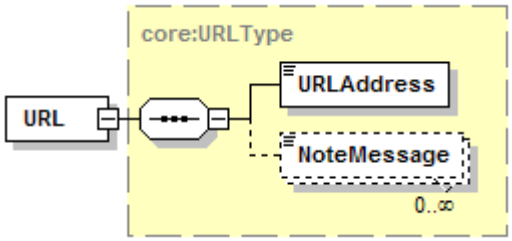
Tag Name	Schema Use	Description	Recommended Use	Format
EmailAddress	Required	The numbers, letters, and symbols used to identify an electronic mail (Email) user within a network.	Required	minOcc 1 maxOc 1 minLength 1 maxLength 128
NoteMessage	Optional Repeatable	Additional information about the email address of the contact at the sending high school	Not recommended	minOcc 0 maxOc ∞ minLength 1 maxLength 80
Comment: *This entire section need not be included if it was not included in the destination portion of the original transcript being acknowledged as received by the institution or agency sending this acknowledgment.*				

Code illustration:

```
<Email>
    <EmailAddress>registrar@austin.utexas.edu</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 Sending Institution, then you must send the URLAddress.

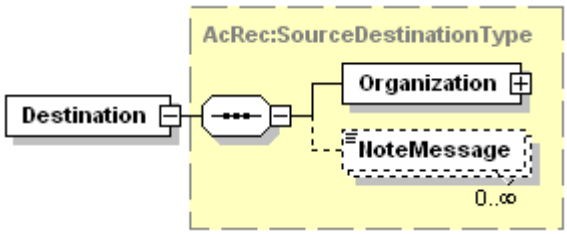


Tag Name	Schema Use	Description	Recommended Use	Format
URLAddress	Required	The Uniform Resource Locator (URL) address of the sending high school or of a contact at the sending high school	Required	minOcc 1 maxOcc 1 minLength 1 maxLength 512
NoteMessage	Optional Repeatable	Additional information about the URL address of the source institution	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section need not be included if it was not included in the destination portion of the original transcript being acknowledged as received by the institution or agency sending this acknowledgment.*				

Code illustration:

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

TransmissionData.Destination



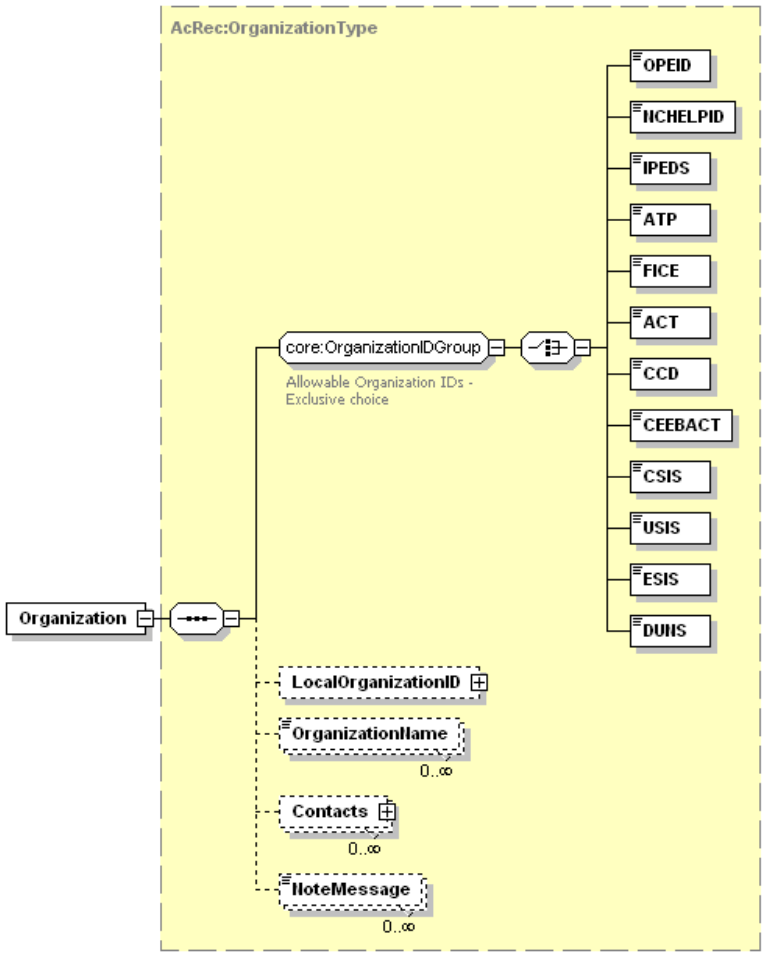
Tag Name	Schema Use	Description	Recommended Use	Format
Organization	Required	Non-person entity such as Organization, Institution, Agency or Business.	Required	minOcc 1 maxOcc 1
Comment: *This complex data element will be expanded and explained more fully on page 20 of this document.*				
NoteMessage	Optional Repeatable	Additional information about destination organization or school.	Not Recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This is the high school or postsecondary school to which this student transcript acknowledgment is being sent. It is normally automatically created by the sender of this student transcript acknowledgment by copy the same complex data element in TransmissionData.Source in the original student transcript being acknowledged.*				

Code illustration:

```
<Destination>
    <Organization>

    </Organization>
    <NoteMessage/>
</Destination>
```

TransmissionData.Destination.Organization



Tag Name	Schema Use	Description	Recommended Use	Format
[OrganizationIDGroup]	Required	Allowable Organization IDs - Exclusive choice	Required	minOcc 1 maxOcc 1
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 minLength 3 maxLength 8
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 minLength 3 maxLength 8
Comment: *The NCHELPID would not be an appropriate choice in this case since transcripts are not normally received from the financial aid world.*				

Tag Name	Schema Use	Description	Recommended Use	Format
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 minLength 6 maxLength 6
Comment: *The IPEDS would be an appropriate choice if this transcript acknowledgment is being sent to a postsecondary institution and the IPEDS number for that institution was included with the original transcript.*				
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 minLength 6 maxLength 6
Comment: *The ATP would be an appropriate choice if this transcript acknowledgment is being sent to a postsecondary institution and the ATP number for that institution was included with the original transcript document.*				
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 minLength 6 maxLength 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 this code was included in the original transcript transmission schema, then this is the recommended choice.*				
ACT	Required choice	The unique identifier for postsecondary educational institutions assigned by American College Testing available at www.act.org	Required choice Recommended	minOcc 0 maxOcc 1 minLength 4 maxLength 4
Comment: *The ACT would be an appropriate choice if this transcript acknowledgment is being sent to a postsecondary institution and the ACT number for that institution was included with the original transcript transmission.*				
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.	Required choice Recommended	minOcc 0 maxOcc 1 minLength 12 maxLength 12
Comment: *The CCD was primarily a code set used by K12 and would be an appropriate option for this choice as a destination to acknowledge the receipt of a transcript from a high school.*				
CEEBACT	Required choice	The 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 minLength 6 maxLength 6
Comment: *The CEEBACT was primarily a code set used by K12 and would be an appropriate option for this choice as a destination to acknowledge the receipt of a transcript from a high school.*				
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 minLength 6 maxLength 6
Comment: *The CSIS would be an appropriate choice if the acknowledgment of receipt of this transcript is being sent to a Canadian institution and the code was included with the original transcript submission.*				

Tag Name	Schema Use	Description	Recommended Use	Format
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 minLength 6 maxLength 6
Comment: *The USIS would be an appropriate choice if the acknowledgment of receipt of this transcript is being sent to a Canadian institution and the code was included with the original transcript submission.*				
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 minLength 8 maxLength 8
Comment: *The ESIS would be an appropriate choice if the acknowledgment of receipt of this transcript is being sent to a Canadian institution and the code was included with the original transcript submission.*				
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 minLength 9 maxLength 9
Comment: *The DUNS number would not be a normal choice to identify the source of an original student transcript.*				
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 minLength 9 maxLength 9
Comment: *This complex data element will be expanded and explained more fully on page 23 of this document.*				
OrganizationName	Optional Repeatable	Name of Non-person entity such as Organization, Institution, Agency or Business.	Recommended	minOcc o maxOcc ∞ minLength 1 maxLength 60
Comment: *Use repeated OrganizationName to show 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 ∞
Comment: *Use Contacts for additional routing instructions and information for the receiving school or agency. This complex data element will be expanded and explained more fully on page 24 of this document.*				
NoteMessage	Optional Repeatable	Additional information about the organization	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section of the transcript acknowledgment would normally just be copied from the TransmissionData.Source.Organization portion of the original student transcript document received.*				

Code illustration:

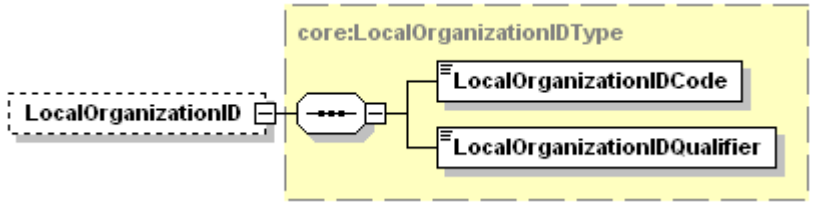
```
<Organization>
    <CEEBACT>440320</CEEBACT>
    <LocalOrganizationID>

    </LocalOrganizationID>
    <OrganizationName>Austin High School</OrganizationName>
            <OrganizationName>Austin Independent School District</OrganizationName>
            <Contacts>

    </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.

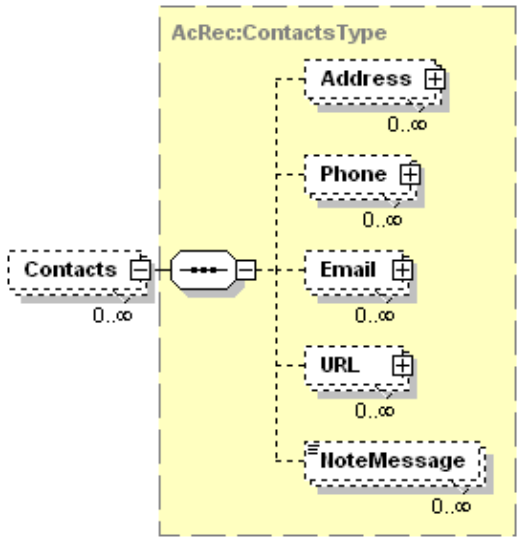


Tag Name	Schema Use	Description	Recommended Use	Format
LocalOrganizationIDCode	Required	The code assigned for the receivng school by the state, province or other mutually defined agency specified in the LocalIDQualifier that follows.	Required	minOcc 1 maxOcc 1 minLength 1 maxLength 35
Comment: *This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

Code illustration:

```
<LocalOrganizationID>
    <LocalOrganizationIDCode>012587</LocalOrganizationIDCode>
    <LocalOrganizationIDQualifer>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	Optional	minOcc o maxOcc ∞
Comment: *This complex data element will be expanded and explained more fully on page 26 of this document.*				
Phone	Optional Repeatable	This is the phone number of the contact at the destination school or agency that sent the original transcript.	Optional	minOcc o maxOcc ∞
Comment: *This complex data element will be expanded and explained more fully on page 29 of this document.*				
Email	Optional Repeatable	This is the email address of the contact at the destination school that sent the original transcript.	Optional	minOcc o maxOcc ∞
Comment: *This complex data element will be expanded and explained more fully on page 30 of this document.*				
URL	Optional Repeatable	This is the Uniform Resource Locator of the destination school that sent the original transcript.	Not Recommended	minOcc o maxOcc ∞
Comment: *This complex data element will be expanded and explained more fully on page 31 of this document.*				
NoteMessage	Optional Repeatable	Additional information about the contact at the destination school or agency that sent the original transcript.	Not Recommended	minOcc o maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section should just be copied from the TransmissionData.Source.Organization.Contacts portion of the original student transcript document that was received.*				

Code illustration:

```
<Contacts>
    <Address>

    </Address>
    <Phone>

    </Phone>
    <Email>

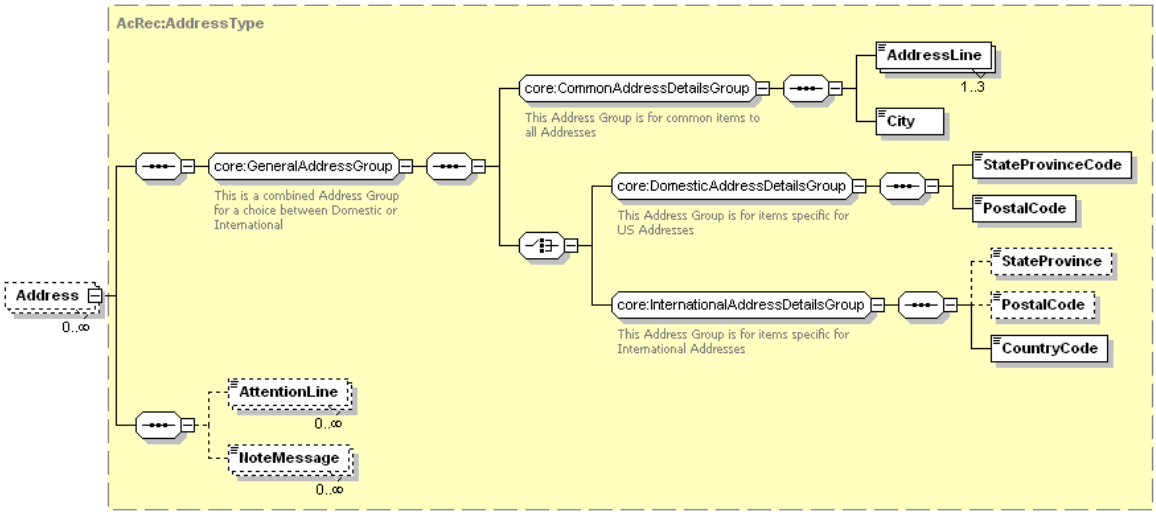
    </Email>
    <URL>

    </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 Destination Institution or Agency, 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 document only if you choose to send the address of the contact or school.*				
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 transcript, 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 that sent the original student transcript.	Required	minOcc 1 maxOcc 3 minLength 1 maxLength 40
City	Required	The city portion of the Address of a Contact at the school that sent the original student transcript	Required	minOcc 1 maxOcc 1 minLength 2 maxLength 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] and 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 minLength 1 maxLength 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 minLength 2 maxLength 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 minLength 1 maxLength 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
AttentionLine	Optional Repeatable	The individual or office name within the postal address where inquiries should be directed.	Optional	minOcc 0 maxOcc ∞ minLength 1 maxLength 45
NoteMessage	Optional Repeatable	Additional information about the addresses of the contacts at the source school	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80

Code illustration 1 (Domestic Address):

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

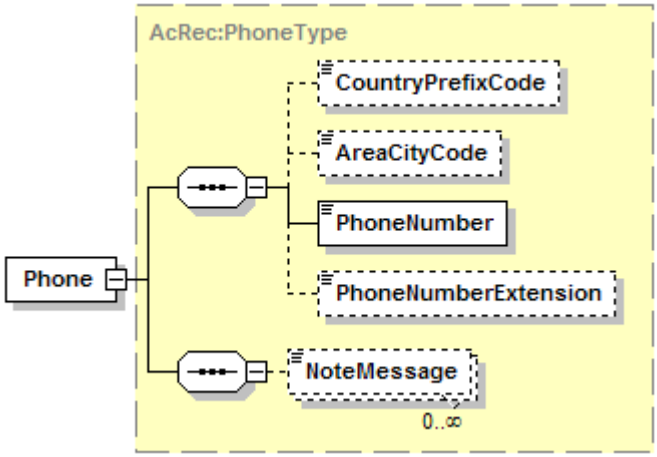
</Address>
```

Code illustration 2 (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	Optional	minOcc 0 maxOcc 1 minLength 1 maxLength 3
AreaCityCode	Optional	Regional dialing code	Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 5
PhoneNumber	Required	Telephone number	Required	minOcc 1 maxOcc 1 minLength 1 maxLength 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 minLength 1 maxLength 5
NoteMessage	Optional Repeatable	Additional information about the phone number of the contact at the destination school or agency	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80

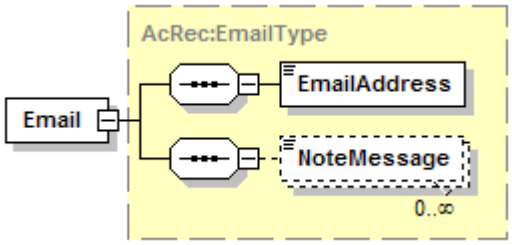
Comment: *This entire section would normally just be copied from the TransmissionData.Source.Organization.Contacts.Phone section of the original transcript document that was received and is now being acknowledged.*

Code illustration:

```
<Phone>
    <CountryPrefixCode/>
    <AreaCityCode>512</AreaCityCode>
    <PhoneNumber>4757638</PhoneNumber>
    <PhoneNumberExtension>4589</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.



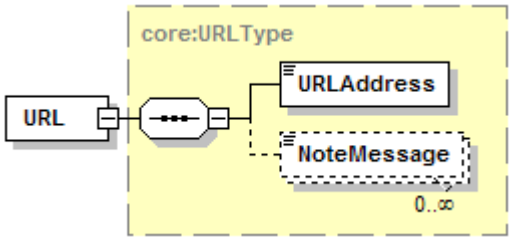
Tag Name	Schema Use	Description	Recommended Use	Format
EmailAddress	Required	The numbers, letters, and symbols used to identify an electronic mail (Email) user within a network.	Required	minOcc 1 maxOcc 1 minLength 1 maxLength 128
NoteMessage	Optional Repeatable	Additional information about the email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

Code illustration:

```
<Email>
    <EmailAddress>GuidanceCounselor@AustinISD.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 a Contact at the Receiving Institution or Agency, then you must send the URLAddress.

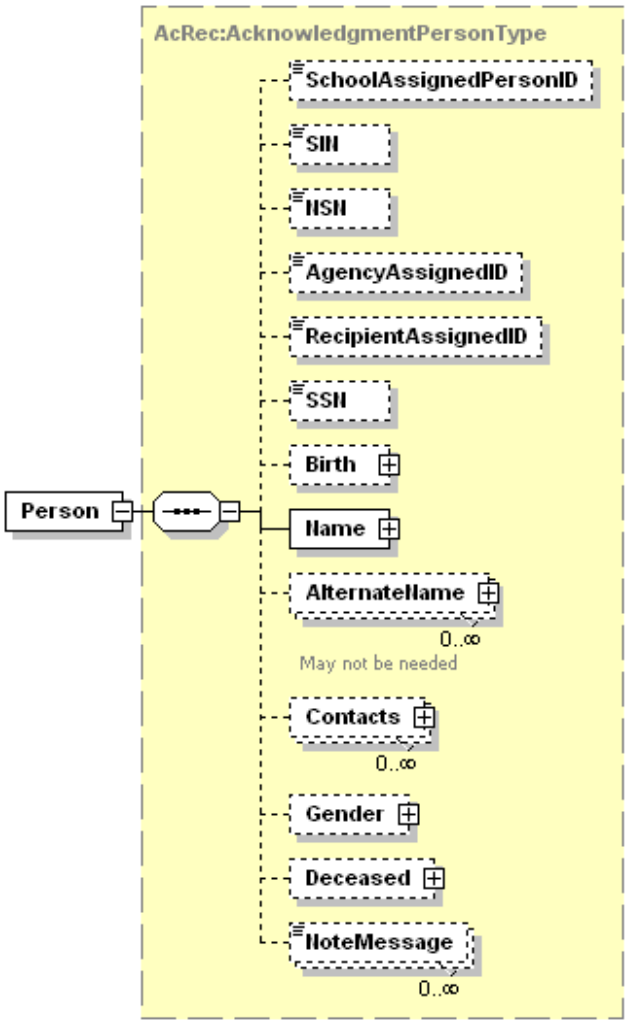


Tag Name	Schema Use	Description	Recommended Use	Format
URLAddress	Required	The Uniform Resource Locator (URL) address associated with a product, deliverable or contact, i.e., the URL of the school that sent the original student transcript.	Required	minOcc 1 maxOcc 1 minLength 0 maxLength 512
NoteMessage	Optional Repeatable	Additional information about the URL of the contact at the destination school or agency	Not Recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80

Code illustration:

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

Person



Tag Name	Schema Use	Description	Recommended Use	Format
SchoolAssignedPersonID	Optional	School Assigned Identifier Type	Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 20
Comment: *This is the student's ID at the source or sending school. It is recommended that this ID number be included, even if the student ID number used is an Agency Assigned ID. This would be the same as was received in the original transcript now being acknowledged.*				
SIN	Optional	The person's Canadian Social Insurance Number	Recommended	minOcc 0 maxOcc 1 minLength 9 maxLength 9
Comment: *This is a Canadian student's Social Insurance Number assigned by the Canadian government. It would be returned in the acknowledgment if it had been received with the transcript document.*				
NSN	Optional	Canadian National Student Number Identifier Type	Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 30
Comment: *This is a postsecondary Canadian student's National Student Number assigned by postsecondary schools using the format used by Statistics Canada. If this ID was received with the original student transcript, then it must be returned in the student transcript acknowledgment.*				

Tag Name	Schema Use	Description	Recommended Use	Format
AgencyAssignedID	Optional	The ID assigned by the state or an agency, to the person (student).	Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 30
Comment: *If this ID was received with the original student transcript, then it must be returned in the student transcript acknowledgment.*				
RecipientAssignedID	Optional	RecipientAsigned Identifier Type	Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 20
Comment: *If this ID was received with the original student transcript, then it must be returned in the student transcript acknowledgment.*				
SSN	Optional	The person's U.S. Social Security Number	Recommended	pattern \d{9} minOcc 0 maxOcc 1
Comment: *If this ID was received with the original student transcript, then it must be returned in the student transcript acknowledgment.*				
Birth	Optional	Identifying information related to a person's birth	Recommended	minOcc 0 maxOcc 1
Comment: *If this information was received with the original student transcript, then it must be returned in the student transcript acknowledgment. This complex data element will be expanded and explained more fully on page 35 of this document.*				
Name	Required	The name of record at the sending institution	Required	minOcc 1 maxOcc 1
Comment: *If this information was received with the original transcript, then it must be returned in the student transcript acknowledgment. This complex data element will be expanded and explained more fully on page 36 of this document.*				
AlternateName	Optional Repeatable	Any other names by which the person may be known	Recommended	minOcc 0 maxOcc ∞
Comment: *If this information was received with the original transcript, then it must be returned in the student transcript acknowledgment. This complex data element will be expanded and explained more fully on page 38 of this document.*				
Contacts	Optional Repeatable	Contact information for the student as recorded by the sending institution	Recommended	minOcc 0 maxOcc ∞
Comment: *If this information was received with the original transcript, then it must be returned in the student transcript acknowledgment. This complex data element will be expanded and explained more fully on page 40 of this document.*				
Gender	Optional	Gender of the student	Recommended	minOcc 0 maxOcc 1 minLength 9 maxLength 9
Comment: *If this information was received with the original transcript, then it must be returned in the student transcript acknowledgment.*				
Deceased	Optional	Information related a student's death	Optional	minOcc 0 maxOcc 1
Comment: *Recommended if the student is deceased; useful for fraud prevention. If this information was received in the original transcript, then it warrants an investigation to insure that the appropriate officials at the school sending this acknowledgment are aware that the sending institution's records indicated that the student is deceased.*				
NoteMessage	Optional Repeatable	Additional information about the person	Not Recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section should just be a copy of what was received in the corresponding data elements of the original transcript document. Note that not all the elements included in the Student.Person complex data element In the original student transcript are included in the Person complex element of the Student Transcript Acknowledgment.*				

Code illustration:

```
<Person>
    <SchoolAssignedPersonID>5555555</SchoolAssignedPersonID>
    <SIN/>
    <NSN/>
    <AgencyAssignedID>FL130123456789</AgencyAssignedID>
    <RecipientAssignedID/>
    <SSN>555555555</SSN>
    <Birth>

    </Birth>
    <Name>

    </Name>
    <AlternateName>

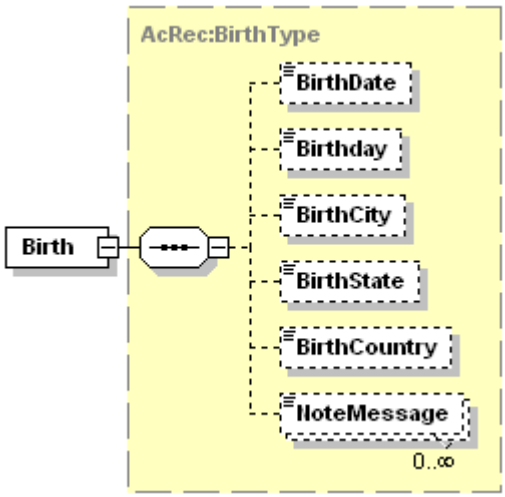
    </AlternateName>
    <Contacts>

    </Contacts>
    <Gender>

    </Gender>
    <Deceased>

    </Deceased>
    <NoteMessage/>
</Person>
```

Person.Birth

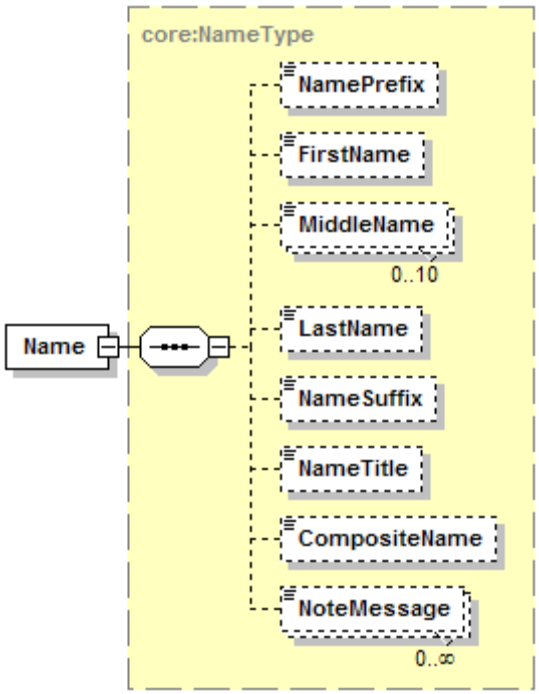


Tag Name	Schema Use	Description	Recommended Use	Format
BirthDate	Optional	Date of Birth	Recommended	minOcc 0 maxOcc 1 xs:date Format is ccyy-mm-dd
Birthday	Optional	Month and day of Birth	Optional	minOcc 0 maxOcc 1 xs:gMonthDay Format is mm-dd
Comment: *Use instead of BirthDate when it is desirable to withhold the student's age.*				
BirthCity	Optional	The city in which the person was born.	Optional	minOcc 0 maxOcc 1 minLength 2 maxLength 30
BirthState	Optional	The state (within the United States) or extra-state jurisdiction in which the person was born	Optional	minOcc 0 maxOcc 1 **Enumerations:** See Appendix A
BirthCountry	Optional	The name of the country in which the person was born. Use ISO 3 155-1 alpha-2 standard.	Optional	minOcc 0 maxOcc 1 **Enumerations:** See Appendix B
NoteMessage	Optional Repeatable	Additional information about Birth	Not Recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section should just be a copy of what was received in the corresponding data elements of the original student transcript document.*				

Code illustration:

```
<Birth>
      <BirthDate>1987-07-20</BirthDate>
      <Birthday/>
      <BirthCity>Miami</BirthCity>
      <BirthState>FL</BirthState>
      <BirthCountry>US</BirthCountry>
      <NoteMessage/>
</Birth>
```

Person.Name



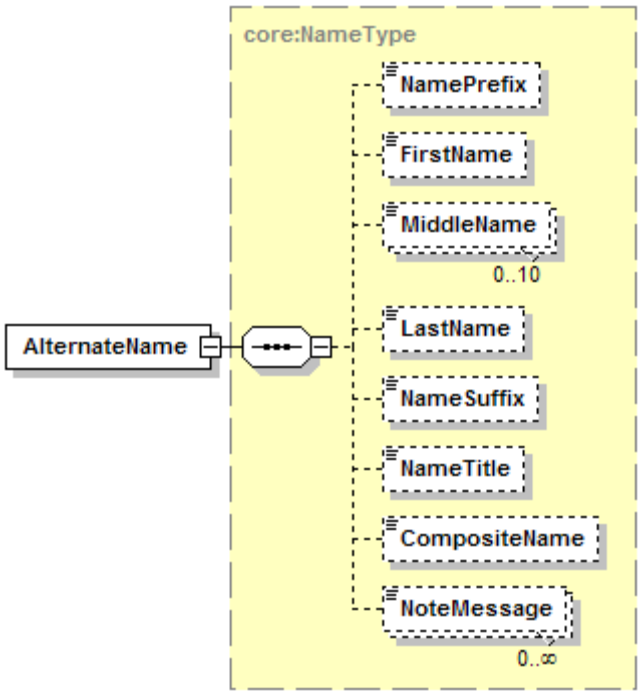
Tag Name	Schema Use	Description	Recommended Use	Format
NamePrefix	Optional	An honorific, title or form of address that precedes the name.	Not Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 30
FirstName	Optional	The first name of the person, usually given at birth, baptism, or during, another ceremony, or through legal change	Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 35
MiddleName	Optional Repeatable	A secondary name of the person, usually given at birth, baptism, or during another naming ceremony or through legal change	Recommended	minOcc 0 maxOcc 10 minLength 1 maxLength 35
LastName	Optional	The last name or surname by which a person is legally known	Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 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
NameTitle	Optional	An honorific, title or credential that follows the name.	Not Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 30
CompositeName	Optional	The full name of the person in Last NameSuffix, First Middle order; comma after last name or NameSuffix	Not Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 45

Tag Name	Schema Use	Description	Recommended Use	Format
NoteMessage	Optional Repeatable	Additional information about the student name	Not Recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section should just be a copy of what was received in the corresponding data elements of the original student transcript document.*				

Code illustration:

```
<Name>
    <NamePrefix/>
    <FirstName>John</FirstName>
    <MiddleName>Billy</MiddleName>
    <MiddleName>Bob</MiddleName>
    <LastName>Thornton</LastName>
    <NameSuffix>JR</NameSuffix>
    <NameTitle/>
    <CompositeName/>
    <NoteMessage/>
</Name>
```

Person.AlternateName



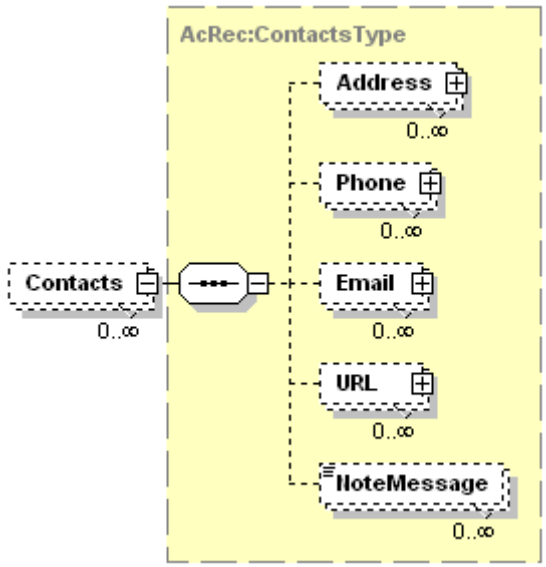
Tag Name	Schema Use	Description	Recommended Use	Format
NamePrefix	Optional	An honorific, title or form of address that precedes the name.	Not Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 30
FirstName	Optional	The first name of the person, usually given at birth, baptism, or during, another ceremony, or through legal change	Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 35
MiddleName	Optional Repeatable	A secondary Name of the person, usually given at birth, baptism, or during another naming ceremony or through legal change	Recommended	minOcc 0 maxOcc 10 minLength 1 maxLength 35
LastName	Optional	The last name or surname by which a person is legally known	Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 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
NameTitle	Optional	An honorific, title or credential that follows the name.	Not Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 30
CompositeName	Optional	The full name of the person in Last, First Middle order, comma after last name	Not Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 45

Tag Name	Schema Use	Description	Recommended Use	Format
NoteMessage	Optional Repeatable	Additional information about the alternate name	Not Recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section should just be a copy of what was received in the corresponding data elements of the original student transcript document.*				

Code illustration:

```
<AlternateName>
    <NamePrefix/>
    <FirstName>Test</FirstName>
    <MiddleName>Record</MiddleName>
    <MiddleName>Test</MiddleName>
    <LastName>Speede</LastName>
    <NameSuffix/>
    <NameTitle/>
    <CompositeName/>
    <NoteMessage/>
</AlternateName>
```

Person.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 ∞
Comment: *This complex data element will be expanded and explained more fully on page 42 of this document.*				
Phone	Optional Repeatable	Phone number(s) for the student	Recommended	minOcc o maxOcc ∞
Comment: *This complex data element will be expanded and explained more fully on page 45 of this document.*				
Email	Optional Repeatable	Email address(es) for the student	Recommended	minOcc o maxOcc ∞
Comment: *This complex data element will be expanded and explained more fully on page 46 of this document.*				
URL	Optional Repeatable	Personal URL(s) on record for the student	Not Recommended	minOcc o maxOcc ∞
Comment: *This complex data element will be expanded and explained more fully on page 47 of this document.*				
NoteMessage	Optional Repeatable	Additional information about the Contacts	Not Recommended	minOcc o maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section should just be a copy of what was received in the corresponding data elements in Student. Person. Contacts of the original student transcript document.*				

Code illustration:

```
<Contacts>
    <Address>

    </Address>
    <Phone>

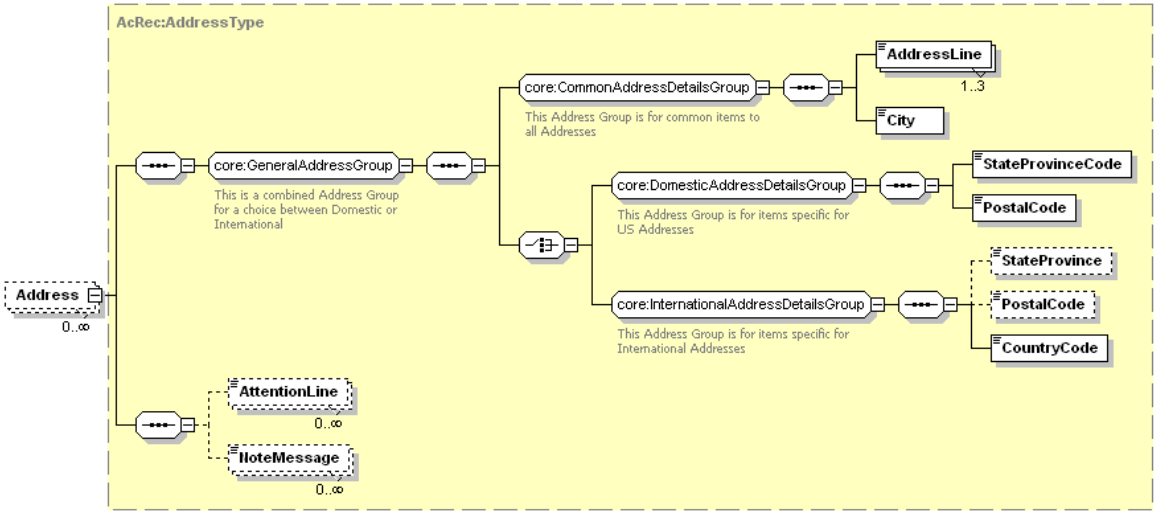
    </Phone>
    <Email>

    </Email>
    <URL>

    </URL>
    <NoteMessage/>
</Contacts>
```

Person.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 student transcript acknowledgment document 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 transcript, 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) School.	Required	minOcc 1 maxOcc 3 minLength 1 maxLength 40
City	Required	The city portion of the Address of a Contact at the Sending (Source) School.	Required	minOcc 1 maxOcc 1 minLength 2 maxLength 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] and 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

Tag Name	Schema Use	Description	Recommended Use	Format
PostalCode	Required	The postal code portion of the Address.	Required	minOcc 1 maxOcc 1 minLength 1 maxLength 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 minLength 2 maxLength 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 minLength 1 maxLength 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
AttentionLine	Optional	The individual or office name within the postal address where inquiries should be directed.	Optional	minOcc 1 maxOcc ∞ minLength 1 maxLength 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 source school	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
***Comment:** This entire section should just be a copy of what was received in the corresponding data elements of the original transcript schema.*				

Code illustration 1 (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/>

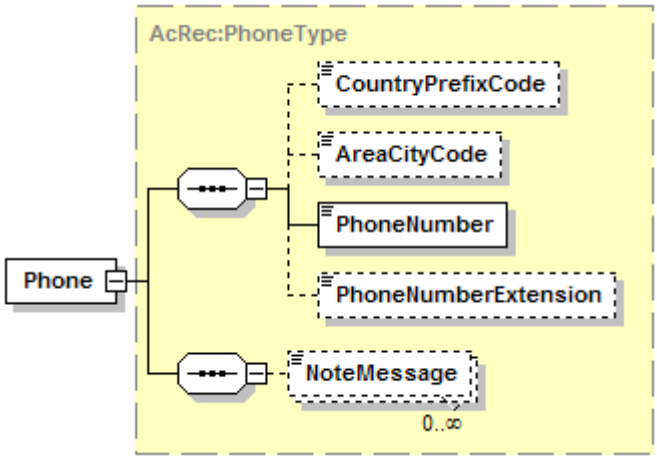
</Address>
```

Code illustration 2 (International Address):

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

Person.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.



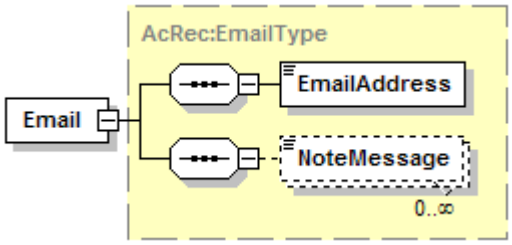
Tag Name	Schema Use	Description	Recommended Use	Format
CountryPrefixCode	Optional	International dialing code.	Optional	minOcc 0 maxOcc 1 minLength 1 maxLength 3
AreaCityCode	Optional	Regional dialing code.	Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 5
Comment: *For phone numbers in the United States and Canada, this is the normal three digit area code.*				
PhoneNumber	Required	Telephone number.	Required	minOcc 1 maxOcc 1 minLength 1 maxLength 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 minLength 1 maxLength 5
NoteMessage	Optional Repeatable	Additional information about the phone number	Not Recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section should just be a copy of what was received in the corresponding data elements of the original transcript schema.*				

Code illustration:

```
<Phone>
    <CountryPrefixCode/>
    <AreaCityCode>512</AreaCityCode>
    <PhoneNumber>8888888</PhoneNumber>
    <PhoneNumberExtension/>
    <NoteMessage/>
</Phone>
```

Person.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.



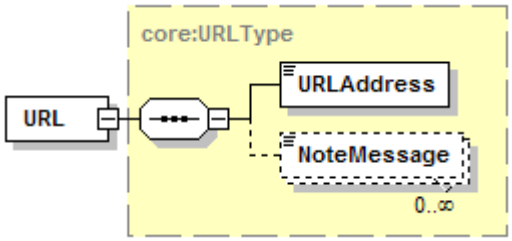
Tag Name	Schema Use	Description	Recommended Use	Format
EmailAddress	Required	The numbers, letters, and symbols used to identify an electronic mail (Email) user within a network.	Required	minOcc 1 maxOcc 1 minLength 1 maxLength 128
NoteMessage	Optional Repeatable	Additional information about the email address	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section should just be a copy of what was received in the corresponding data elements of the original transcript schema.*				

Code illustration:

```
<Email>
    <EmailAddress>stewartj@aol.com</EmailAddress>
    <NoteMessage/>
</Email>
```

Student.Person.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.



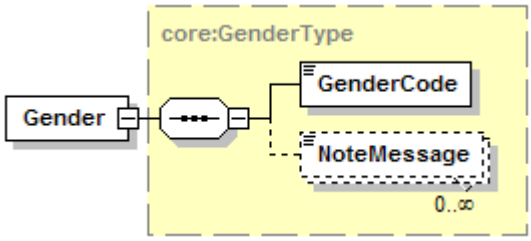
Tag Name	Schema Use	Description	Recommended Use	Format
URLAddress	Required	The Uniform Resource Locator (URL) address associated with a student	Required	minOcc 1 maxOcc 1 minLength 0 maxLength 512
NoteMessage	Optional Repeatable	Additional information about the URL	Not recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section should just be a copy of what was received in the corresponding data elements of the original transcript schema.*				

Code illustration:

```
<URL>
    <URLAddress>www.John.Appleseed.com</URLAddress>
    <NoteMessage/>
</URL>
```

Person.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.



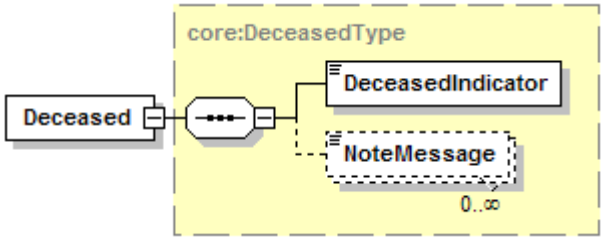
Tag Name	Schema Use	Description	Recommended Use	Format
GenderCode	Required	The gender of the Student	Required	minOcc 1 maxOcc 1 **Enumeration:** Female Male Unreported
NoteMessage	Optional Repeatable	Additional information about Gender	Not Recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section should just be a copy of what was received in the corresponding data elements of the original transcript schema.*				

Code illustration:

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

Person.Deceased

Note: Deceased is an optional complex data element, but if it is included, then the Deceased Indicator must also be included.

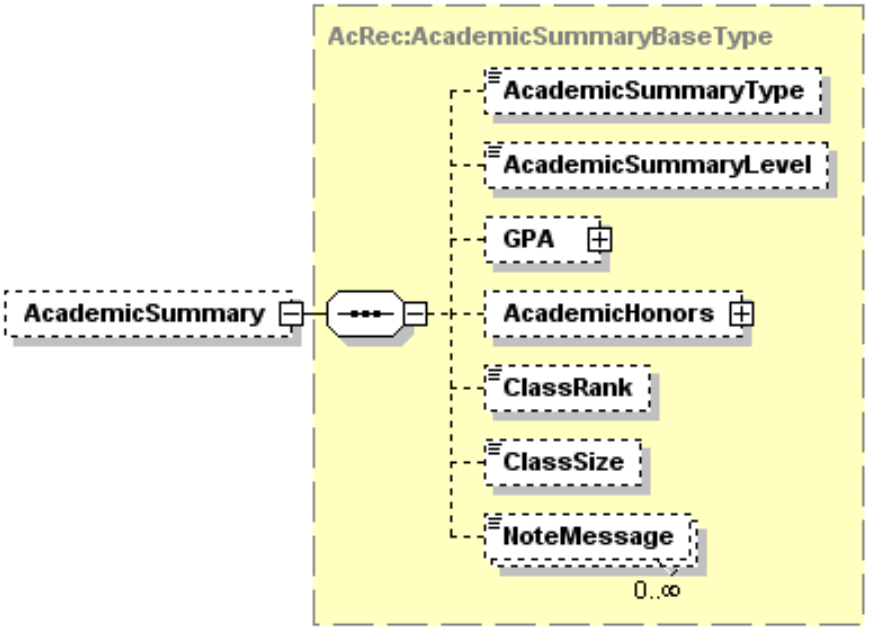


Tag Name	Schema Use	Description	Recommended Use	Format
DeceasedIndicator	Required	Indicates the person is deceased.	Required	minOcc 1 maxOcc 1 true/false
Comment: *A value of 'true' indicates the person is reported as deceased in the sending school's records. If the student is not shown to be deceased, the complex data element "deceased" would not be sent. This indicator would only be sent if the complex data element Deceased Is included.*				
NoteMessage	Optional Repeatable	Additional information about the deceased student	Not Recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This entire section should just be a copy of what was received in the corresponding data elements of the original transcript schema. However, if an indication that the student is deceased was received with the original student transcript, then it should be brought to the personal attention of appropriate officials at the receiving school or agency. It could be a recent death, or a clerical error, or it could be an indication of a possible fraudulent admissions application.*				

Code illustration:

```
<Deceased>
    <DeceasedIndicator>true</DeceasedIndicator>
    <NoteMessage>This student died during his senior year in high school.</NoteMessage>
</Deceased>
```

AcademicSummary



Tag Name	Schema Use	Description	Recommended Use	Format
AcademicSummaryType	Optional	Summary Type is an indication of what is being summarized over what period of time *All* - Summary of all courses regardless of institution *SenderOnly* - Summary of all courses at sending institution (or recorded as if they were taken at the sending institution) *TransferOnly* - Summary of transfer work (courses taken at other than the sending institution) *AllNotRepeated* - Summary of all courses except for repeated or forgiven courses/credits *SenderNotRepeated* - Summary of all courses at sending institution except for repeated or forgiven courses/credits *TransferNotRepeated* - Summary of transfer work except for repeated or forgiven courses/credits *AcademicRenewa*l - Subset of forgiven courses *CarryoverCredit* - Summary from offline records and used as the intitial point for cumulatives and averages *DegreeApplicable* - Summary of course that apply to degree *NonDegreeApplicable* - Summary of courses that do not apply toward degree *ConvertedFrom* - Summary of credits before an institutional term-basis conversion, such as from quarters to semesters	Recommended	minOcc 0 maxOcc 1 **Enumeration:** All SenderOnly TransferOnly AllNotRepeated SenderNotRepeated TransferNotRepeated AcademicRenewal CarryoverCredit DegreeApplicable NonDegreeApplicable ConvertedFrom ConvertedTo UserDefined Weighted NonWeighted

Tag Name	Schema Use	Description	Recommended Use	Format
		ConvertedTo - Summary of credits after an institutional term-basis conversion, such as from quarters to semesters *Weighted* – Summary that gives additional (higher) value to specific courses taken by a student, such as honors courses, International Baccalaureate, Advanced Placement, high school /college dual enrollment. *NonWeighted* – Summary that does not give additional value to courses, regardless of special characteristics of the courses. For example, if the grading scale is from 0 to 4.00, then it is not possible to have a summary higher than 4.00. *UserDefined* - see NoteMessage for explanation		
AcademicSummaryLevel	Optional	The level of credit associated with the credit hours earned for the course.	Recommended	minOcc 0 maxOcc 1 **Enumeration:** Undergraduate LowerDivision UpperDivision Vocational TechnicalPreparatory Graduate Professional Dual GraduateProfessional
GPA	Optional	GPA for this Academic Summary	Recommended	minOcc 0 maxOcc 1
Comment: *This complex data element will be expanded and explained more fully on page 53 of this document.*				
AcademicHonors	Optional	Academic Honors for this Academic Summary	Optional	minOcc 0 maxOcc 1
Comment: *This complex data element will be expanded and explained more fully on page 55 of this document.*				
ClassRank	Optional	The student's class rank relative to other students in their academic cohort (e.g. class).	Recommended	minOcc 0 maxOcc 1 minInclusive 1 maxInclusive 9999 totalDigits 4
ClassSize	Optional	The numeric size of the academic cohort (e.g. class).	Recommended	minOcc 0 maxOcc 1 minInclusive 1 maxInclusive 9999 totalDigits 4
Comment: *If there were 753 students in the student's class and they were ranked by the high school, then this value would be "753". This information is not normally included in a college transcript.*				
NoteMessage	Optional Repeatable	Additional information about the Academic Summary	Optional	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *If the class rank and class size are included in the transcript, then this note message could be used to indicate the cohort and/or date of the ranking.*				

Tag Name	Schema Use	Description	Recommended Use	Format
Comment: *This portion of the XML Student Transcript is the recommended place for the overall summary of the student's entire high school or college academic record. Specifically, it is from the first occurrence of the Student.AcademicRecord.AcademicSummary portion from the original student transcript document. However, the important issue is that this should be a copy of the corresponding portion of the student transcript that was received and is now being acknowledged. Therefore, the recommended usage in the chart above is "recommended" which means that if it was received in the original transcript document, then it should be copied and returned in this student transcript acknowledgment document.*				

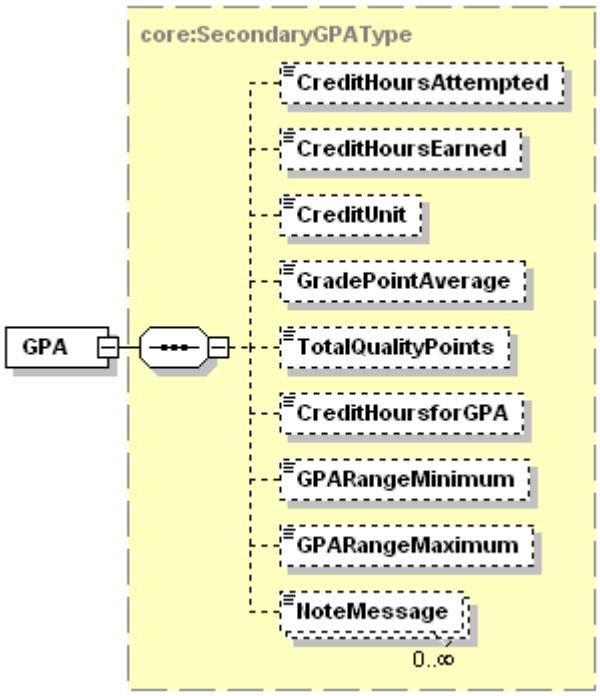
Code illustration:

```
<AcademicSummary>
    <AcademicSummaryType>All</AcademicSummaryType>
    <AcademicSummaryLevel/>
    <GPA>

    </GPA>
    <AcademicHonors>

    </AcademicHonors>
    <ClassRank>1/ClassRank>
    <ClassSize>753<ClassSize>
    <NoteMessage>Class ranking was of all seniors at the end of the seventh semester.</NoteMessage>
</AcademicSummary>
```

AcademicSummary.GPA



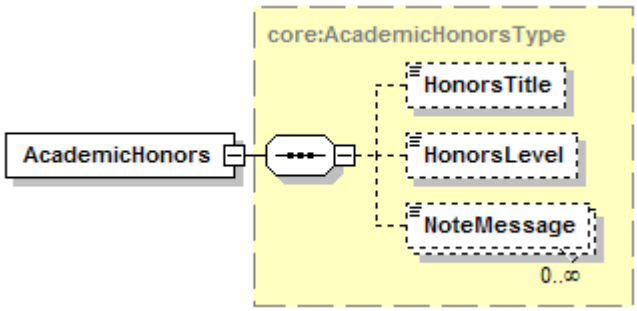
Tag Name	Schema Use	Description	Recommended Use	Format
CreditHoursAttempted	Optional	The total value of credit hours attempted whether or not included in the hours for GPA or hours earned	Recommended	minOcc 0 maxOcc 1 xs:decimal
Comment: *This would also include the credit value of a course from which the student withdrew, if it appears on the transcript. So if a student had enrolled in 10 Carnegie Units which are all included in the specified program and appear on the transcript, and had passed 5 units and withdrawn from 5 units, then the value of this field would be "10". If the student had enrolled for 10.5 units that are included on th transcript, then the value of this field would be "10.5".*				
CreditHoursEarned	Optional	The total value of credit hours successfully completed or earned	Recommended	minOcc 0 maxOcc 1 xs:decimal
Comment: *If the student had earned 5 Carnegie Units and they all are included on the transcript, then the value of this data element would be "5". If only 4.5 units were earned, then the value would be "4.5".*				
CreditUnit	Optional	The type of credit (unit, semester, or quarter) associated with the credit hours earned for the course	Recommended	minOcc 0 maxOcc 1 **Enumeration:** NoCredit Quarter Semester Units ClockHours CarnegieUnits ContinuingEducationUnits Unreported Other

Tag Name	Schema Use	Description	Recommended Use	Format
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
Comment: *For example, if the student had enrolled for 10 Carnegie Units, passed 8 units with grades of B worth 3 grade points for each Carnegie Unit, and 2 Carnegie Units with grades of F worth 0 grade points, then the calculation would be 24 grade points divided by 10 or a GPA of "2.4" or "2.40" or "2.400" depending on the policy of the sending school.*				
TotalQualityPoints	Optional	The total value of quality points used for the calculation of the Grade Point Average	Recommended	minOcc 0 maxOcc 1 xs:decimal
Comment: *If a student earned all grades of B (worth 3 grade points for each Carnegie Unit) in 8.5 Carnegie Units that count toward this diploma and this program, then the value of this data element would be "25.5".*				
CreditHoursforGPA	Optional	The total value of credit hours used to calculate the Grade Point Average	Recommended	minOcc 0 maxOcc 1 xs:decimal
Comment: *If a student earned grades of A (worth 4 grades points per unit) in 3 Carnegie Units, grades of F (worth 0 points per unit) in 4 units; and withdrew from 5 units, then the total credit hours for GPA would be "7".*				
GPARangeMinimum	Optional	The minimum possible Grade Point Average	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	The maximum possible Grade Point Average	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 ∞ minLength 1 maxLength 80
Comment: *The GPA included at this point in the Schema should represent the overall GPA for the student's entire record included on the transcript. However, in any case, it is to be a copy of the first occurrence of Student.AcademicRecord.AcademicSummary.GPA portion from the original transcript.*				

Code illustration:

```
<GPA>
    <CreditHoursAttempted>10.5</CreditHoursAttempted>
    <CreditHoursEarned>6.5</CreditHoursEarned>
    <CreditUnit>CarnegieUnits</CreditUnit>
    <GradePointAverage>2.235</GradePointAverage>
    <TotalQualityPoints>19</TotalQualityPoints>
    <CreditHoursforGPA>8.5</CreditHoursforGPA>
    <NoteMessage/>
</GPA>
```

AcademicSummary.AcademicHonors



Tag Name	Schema Use	Description	Recommended Use	Format
HonorsTitle	Optional	The descriptive title for the honors received	Recommended	minOcc 0 maxOcc 1 minLength 1 maxLength 30
Comment: *There is a variety of names for these honors in the United States. Some common ones are "Valdictorian", "Salutatorian", "With Honors", "Magna Cum Laude", etc.*				
HonorsLevel	Optional	A code value representing 1st highest honor, 2nd highest and 3rd highest	Recommended	minOcc 0 maxOcc 1 **Enumeration:** FirstHighest SecondHighest ThirdHighest
Comment: *Honors Level is critical to understanding the context of Honors Title.*				
NoteMessage	Optional Repeatable	Additional information about the Academic Honors	Not Recommended	minOcc 0 maxOcc ∞ minLength 1 maxLength 80
Comment: *This should be an exact copy of what was received in the first occurrence of the Student.AcademicRecord.AcademicSummary.AcademicHonors portion of the student transcript that was received. If nothing was originally sent with the student transcript document, then this portion would not be included in the acknowledgment.*				

Code illustration:

```
<AcademicHonors>
    <HonorsTitle>Sigma Alpha Tau</HonorsTitle>
    <HonorsLevel>FirstHighest</HonorsLevel>
    <NoteMessage>For seniors earning a composite SAT score of 1,200 or higher</NoteMessage>
</AcademicHonors>
```

End of the Student Transcript Acknowledgment Schema

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
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
IN	India
IO	British Indian Ocean Territory
IQ	Iraq
IR	Iran, Islamic Republic Of
IS	Iceland
IT	Italy
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
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
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 – Sample (but significantly abridged) XML High School Student Transcript to be used with Appendix D

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v5 rel. 4 U (http://www.xmlspy.com) by Bruce Robert Marton (The University of Texas at Austin) -->
<!--Sample XML file generated by XMLSPY v5 rel. 4 U (http://www.xmlspy.com)-->
<HSTrn:HighSchoolTranscript xmlns:HSTrn="urn:org:pesc:message:HighSchoolTranscript:v1.0.0"
xmlns:AcRec="urn:org:pesc:sector:AcademicRecord:v1.0.0" xmlns:core="urn:org:pesc:core:CoreMain:v1.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:org:pesc:message:HighSchoolTranscript:v1.0.0
HighSchoolTranscript_v1.0.0.xsd">
    <TransmissionData>
        <DocumentID>2316139</DocumentID>
        <CreatedDateTime>2006-02-04T09:30:47-05:00</CreatedDateTime>
        <DocumentTypeCode>StudentRequest</DocumentTypeCode>
        <TransmissionType>Original</TransmissionType>
        <Source>
            <Organization>
                <CEEBACT>440320</CEEBACT>
                <LocalOrganizationID>
                    <LocalOrganizationIDCode>227901002</LocalOrganizationIDCode>
                    <LocalOrganizationIDQualifier>TX</LocalOrganizationIDQualifier>
                </LocalOrganizationID>
                <OrganizationName>Austin High School</OrganizationName>
                <OrganizationName>Austin Independent School District</OrganizationName>
                <Contacts>
                    <Address>
                        <AddressLine>1715 W Cesar Chavez</AddressLine>
                        <City>Austin</City>
                        <StateProvinceCode>TX</StateProvinceCode>
                        <PostalCode>78703</PostalCode>
                    </Address>
                    <Phone>
                        <AreaCityCode>512</AreaCityCode>
                        <PhoneNumber>4142505</PhoneNumber>
                    </Phone>
                    <Phone>
                        <AreaCityCode>512</AreaCityCode>
                        <PhoneNumber>4747935</PhoneNumber>
                        <NoteMessage>Fax</NoteMessage>
                    </Phone>
                </Contacts>
            </Organization>
        </Source>
        <Destination>
            <Organization>
                <ATP>006882</ATP>
                <OrganizationName>THE UNIVERSITY OF TEXAS AT AUSTIN</OrganizationName>
                <Contacts>
                    <Address>
                        <AddressLine>Office of Admissions</AddressLine>
                        <City>Austin</City>
                        <StateProvinceCode>TX</StateProvinceCode>
                        <PostalCode>78712</PostalCode>
                    </Address>
                    <Phone>
                        <AreaCityCode>512</AreaCityCode>
                        <PhoneNumber>4757638</PhoneNumber>
                    </Phone>
                </Contacts>
            </Organization>
        </Destination>
    </TransmissionData>
```

```
<Student>
    <Person>
        <SchoolAssignedPersonID>5555555</SchoolAssignedPersonID>
        <SSN>555555555</SSN>
        <Birth>
            <BirthDate>1987-07-20</BirthDate>
        </Birth>
        <Name>
            <FirstName>John</FirstName>
            <MiddleName>Billy</MiddleName>
            <MiddleName>Bob</MiddleName>
            <LastName>Thornton</LastName>
        </Name>
        <ParentGuardianName>
            <FirstName>John</FirstName>
            <MiddleName>Billy</MiddleName>
            <MiddleName>Bob</MiddleName>
            <LastName>Thornton</LastName>
            <NameSuffix>SR</NameSuffix>
        </ParentGuardianName>
        <Contacts>
            <Address>
                <AddressLine>3456 Guadalupe St</AddressLine>
                <City>AUSTIN</City>
                <StateProvinceCode>TX</StateProvinceCode>
                <PostalCode>78763</PostalCode>
            </Address>
            <Phone>
                <AreaCityCode>512</AreaCityCode>
                <PhoneNumber>8888888</PhoneNumber>
            </Phone>
        </Contacts>
        <Gender>
            <GenderCode>Male</GenderCode>
        </Gender>
        <RaceEthnicity>
            <RaceEthnicityCode>WhiteNonHispanic</RaceEthnicityCode>
        </RaceEthnicity>
    </Person>
    <AcademicRecord>
        <AcademicSession>
            <AcademicSessionDetail>
                <SessionDesignator>2001-06</SessionDesignator>
                <SessionName>Summer2001</SessionName>
                <SessionType>Semester</SessionType>
            </AcademicSessionDetail>
            <StudentLevel>
                <StudentLevelCode>EighthGrade</StudentLevelCode>
            </StudentLevel>
            <Course>
                <CourseCreditBasis>Regular</CourseCreditBasis>
                <CourseCreditUnits>Semester</CourseCreditUnits>
                <CourseCreditValue>1</CourseCreditValue>
                <CourseCreditEarned>1</CourseCreditEarned>
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Appendix D – Sample XML Student Transcript Acknowledgment Document to be returned to sender of original XML Transcript

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xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
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                        <StateProvinceCode>TX</StateProvinceCode>
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            <MiddleName>Bob</MiddleName>
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