



**Provincial Approach to Student Information
(PASI)**

**ALBERTA EDUCATION ELECTRONIC
WAYBILL XML SPECIFICATION**

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REVISION HISTORY

Ensure that this document is current. Printed documents and locally copied files may become obsolete due to changes to the master document.

Revision	Date	Description of Change
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CONTENTS

1.0 INTRODUCTION..... 1

1.1 QUESTIONS AND OMISSIONS 1

 1.1.1 Digitization Standards 1

1.2 GLOSSARY 2

1.3 XML DATA TYPES..... 2

2.0 ELECTRONIC WAYBILL 3

2.1 DOCUMENTS 3

 2.1.1 Message Illustration 3

2.2 DOCUMENT 3

 2.2.1 Message illustration..... 6

1.0 INTRODUCTION

This document outlines the contents and format of the Alberta Education Electronic Waybill format as delivered by the Ministry of Education, Government of Alberta. It is based on IMT and GOA standards for digitization.

This document is intended for use by Alberta Education, Authorities and Schools within Alberta who leverage the PASI digital student record functionality.

Any additions and or revisions to the digitization standards will require a revision to this document. In general, unused elements are not included as part of this specification.

LOCATION OF THIS DOCUMENT

The most recent version of this document is located here:

<https://extranet.education.alberta.ca/PASI.devnet/PASI%20Documents/CurrentRelease/Integration%20Documents/>

1.1 QUESTIONS AND OMISSIONS

While every effort have been made to ensure the accuracy of this document, The Ministry of Education, Government of Alberta cannot be held liable for any error or omissions within this document or any effort on the part of any party to remediate their process or systems due to those errors or omissions.

Any questions/errors regarding the contents of this document should be sent to:

PASI.Readiness@gov.ab.ca

1.1.1 Digitization Standards

The following URLs will provide up to date information on the digitization standards:

<http://imtdocs.alberta.ca/standards/digitization-process.aspx>

<http://imtdocs.alberta.ca/standards/digitization-technical-requirements-3.aspx>

1.2 GLOSSARY

Term	Definition
PASI	Provincial Approach to Student Information (PASI) is Alberta Education’s system that is responsible for collecting student course marks submitted by Alberta schools and authorities. The PASI core then takes these students course marks to calculate official marks and eligibility towards credentials.

1.3 XML DATA TYPES

Refer to <http://www.w3.org/TR/xmlschema-2/> for more information on the details of the XML specification.

Data Type	Format and Examples
xs:date	Format: yyyy-mm-dd Example: 2014-12-22
xs:datetime	Format: yyyy-mm-ddThh:mm:ss{+-GMT} Example: 2014-12-22T08:15:36(-6)
xs:gYearMonth	Format: cyy-mm Example: 2014-06
xs:boolean	Possible values: true; false; 0; 1 Example: true
xs:integer	Used to specify a numeric value without a fractional component. Examples: 999, -999, +999

All string values will be using the UTF-8 character set.

2.0 ELECTRONIC WAYBILL

This section describes the xml that is submitted to PASI when loading student documents using the document submission with waybill process.

2.1 DOCUMENTS

The container for the list of documents being submitted to PASI.

Tag Name	Description	Format
Document	A container for the metadata associated to a document being submitted to PASI.	minOcc 1 <Document>

2.1.1 Message Illustration

```
<Documents>
  <Document>
    ...
  </Document>
  <Document>
    ...
  </Document>
</Documents>
```

2.2 DOCUMENT

The container for the metadata associated to a document being submitted to PASI.

It is important to note that if a metadata field is blank for a specific document being loaded as part of a Document Submission then the tag for that metadata element should be completely removed from the metadata section of that specific document. For example if Document Expiry Date (Student Document) is not required for the document being loaded then Document Expiry Date (Student Document) should not be seen as a line within the waybill for that document. If the line is entered but left blank the waybill will fail for Rule 65060 - Invalid Waybill Format.

Tag Name	Description	Format
StateProvinceID	State Province ID (Alberta Student Number). Must be in the form of a number between '000000001' and '999999999'	minOcc 1 maxOcc 1 maxLength 9
DocumentType	Must be a valid document type as defined by the GetDocumentType Service.	minOcc 1 maxOcc 1 xs:string
Title	The title of the document. Value must not have control characters, leading, trailing or multiple embedded spaces. Contents must not match regular expression: ^\s \s{2,} \s\$ [\x00-\x19] [\x7F-\x9F] [^\x00-\xFF]	minOcc 1 maxOcc 1 maxLength 200
IsRelevant	Must be true or false	minOcc 1 maxOcc 1 xs:boolean
StudentDocumentLanguage	The language the document is in. Must be a currently available Student Document Language code class value (e.g. EN, FR, Other)	minOcc 1 maxOcc 1
DocumentDate	The date the document was created. Optional depending on the document type. When provided must be in the format YYYY-MM-DD	minOcc 0 maxOcc 1 xs:date
DocumentExpiryDate	The date the document expires. Optional depending on the document type. When provided must be in the format YYYY-MM-DD	minOcc 0 maxOcc 1 xs:date
LinkedToSchoolYear	The school year the document applies to. Optional depending on the document type. When provided must be a 4 digit value (e.g. for school year 2016/2017 use 2017).	minOcc 0 maxOcc 1 xs:integer

Tag Name	Description	Format
IsQualityAssuranceAlreadyPerformed	Indicates if quality assurance has already been completed on the document by the organization loading the document. Must be true or false.	minOcc 1 maxOcc 1 xs:boolean
OriginalFileName	The original name the file that is loaded to PASI. Must have the extension .pdf. A file with this name must exist in the .zip file. This file name must be unique within this document.	minOcc 1 maxOcc 1 maxLength 200 xs:string
LinkedToOrganization	Optional depending on the document type. When provided must be 6 characters. Must be in the format of S.xxxx or A.xxxx where xxxx is the 4 digit code of the school or school authority the document is linked to.	minOcc 0 maxOcc 1 maxLength 6 xs:string
IsTextSearchable	Indicates if text character recognition and searching is available for the document. Must be true or false.	minOcc 1 maxOcc 1 xs:boolean
IsDigitized	Indicates if the electronic document was scanned from a hard copy document. Must be true or false.	minOcc 1 maxOcc 1 xs:boolean

2.2.1 Message illustration

```
<Document>
  <StateProvinceId>123456789</StateProvinceId>
  <DocumentType>IPP</DocumentType>
  <Title>StudentXIPP</Title>
  <IsRelevant>true</IsRelevant>
  <StudentDocumentLanguage>EN</StudentDocumentLanguage>
  <DocumentDate>2017-10-17</DocumentDate>
  <LinkedToSchoolYear>2017</LinkedToSchoolYear>
  <IsQualityAssuranceAlreadyPerformed>false</IsQualityAssuranceAlreadyPerformed>
  <OriginalFileName>StudentXIPP.pdf</OriginalFileName>
  <LinkedToOrganization>S.4022</LinkedToOrganization>
  <IsTextSearchable>true</IsTextSearchable>
  <IsDigitized>true</IsDigitized>
</Document>
```