Mark Information Data Standard

Final

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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.

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| V1.0 | July 11, 2011 | Jeff Blackmer | Initial draft |
| V1.1 | August 15, 2011 | Jeff Blackmer | PASI Architect Team Review |
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| V1.3 | October 10, 2011 | Jeff Blackmer | Refactor Diploma Exam |
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| V1.7 | January 19, 2012 | Jeff Blackmer | Removed Course Enrolment Status with Junior High Completed.  Added JRH Junior High Evaluation Method |
| V1.8 | May 16, 2012 | Jeff Blackmer | Changed “Is Funding Eligible” to “Is Funding Requested” on Course Enrolment.  Added “Is Funding Requested” to Evaluated Marks.  Added Simple Text data type |
| V1.9 | April 26, 2013 | Jeff Blackmer | Added note to reference PASI DevNet for most current code list and values |

Audiences

**Involvement Types: R –** review; **A –** approve; **C –** consume; **I –** informational

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| Data & Information Standards Sub-Committee | R, A |  |  |
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# Introduction

Mark Information plays a vital role in ensuring that schools, school authorities and Alberta Education are able to effectively meet student learning needs. Thus it is important that a consistent set of guidelines and standards are established to ensure data integrity for course information within the PASI solution. Based on feedback collected during business requirements gathering, these guidelines and standards introduce an approach for handling Mark Information that is expected to be shared in a consistent manner.



Mark Information is comprised of the following components:

* Section - Information about a specific school defining a block of time for delivering course instruction.
* Course Enrolment – Information about a student enrolling in a section
* Course Enrolment Mark – Mark and course completion information for a student.
* Evaluated Mark – A mark assigned to a student for a course that was taken outside Alberta’s learning systems.
* Exam & Component – Information about ministry administered exams and exam components.
* Exam Mark - Information about a student’s exam mark
* Component Mark – Information about exam components, writing centre and the students mark in each component

# Scope

For the purpose of this document, the focus will be solely on communication and exchange of Mark Information and will not broach on other forms of outcome measurements.

Additionally, the purpose of this document is to establish guidelines and standards for how Mark Information will be described and structured within the context of the Provincial Approach to Student Information. It is intended to provide the means by which schools and school authorities can communicate Mark Information to Alberta Education and amongst other schools and school authorities in a consistent manner. It is not intended to provide an all encompassing business process/business rules or technical specification for managing this information, but rather describes in appropriate detail the structure of this information deemed most significant by Alberta Education and Alberta schools and school authorities. It is expected however that this standard will be used as the basis for any technical implementation of Mark Information within the scope of PASI and any requirements authored by this standard must be adhered to. Furthermore, these guidelines and standards will not dictate the context in which this information will be used, however where appropriate examples of usage will be provided to provide clarity and guidance.

The information contained within this document is hereby deemed effective as of the Alberta 2012-2013 school year. References to other documentation and information contained within this standard are meant to reflect the state of the referenced sources as of the date of approval of this standard. Future changes to the referenced sources that alter in any way the meaning or implementation of this standard must be addressed in a revision of this document, which must then be subsequently reviewed and approved.

# Indicating Requirement Levels

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC 2119](http://rfc.sunsite.dk/rfc/rfc2119.html).

|  |
| --- |
| **MUST** This word, or the terms "REQUIRED" or "SHALL", mean that the definition is an absolute requirement of the standard.  **MUST NOT** This phrase, or the phrase "SHALL NOT", mean that the definition is an absolute prohibition of the standard.  **SHOULD** This word, or the adjective "RECOMMENDED", mean that there may exist valid reasons in particular circumstances to ignore a particular item, but the full implications must be understood and carefully weighed before choosing a different course.  **SHOULD NOT** This phrase, or the phrase "NOT RECOMMENDED" mean that there may exist valid reasons in particular circumstances when the particular behavior is acceptable or even useful, but the full implications should be understood and the case carefully weighed before implementing any behavior described with this label.  **MAY** This word, or the adjective "OPTIONAL", mean that an item is truly optional. One vendor may choose to include the item because a particular application requires it or because the vendor feels that it enhances the product while another vendor may omit the same item. An implementation, which does not include a particular option, MUST be prepared to interoperate with another implementation, which does include the option, though perhaps with reduced functionality. In the same vein an implementation, which does include a particular option MUST be prepared to interoperate with another implementation, which does not include the option (except, of course, for the feature the option provides). |

# Common Data Elements

The following sections detail the proposed elements that will comprise Mark Information. Each element will be described in detail and will include the following information:

**Characteristic** - will determine whether the element is mandatory (M) or optional (O).

**Type** - the format in which the element will be captured e.g. Text, Number, True/False etc.

**Standard** - where applicable, the Standard or Guideline used/leverage to define and/or validate the element e.g. Schools Interoperability Framework (SIF)

**Max** - provides the maximum length of the element where appropriate

**Purpose** - describes the intended usage of the element

**Approach** - describes PASI's approach to working with the element

**Example** - provides examples of valid and/or invalid element data where appropriate

The following is a list of data elements that are shared by all types of marks.

## Element: Course Code

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** | PASI Course Information Guidelines and Standards |
| **Maximum length** | Must be 7 characters. |
| **Purpose** | Unique identifier for a course. |
| **Approach** | 1. Accepts a 7 character alpha numeric code [A-Z,0-9]. Will reject if invalid characters found or of insufficient length. |
| **Example** | **Valid:**  ELA2020  MAT1020  **Invalid:**  %%%9982  982A |

## Element: Is Deleted

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Boolean |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | Identifies logically deleted records. |
| **Approach** | 1. Must be either “True” or “False” |
| **Example** | True  False |

## Element: Is Mark Approved

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Boolean |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | Indicates if this mark approved for general consumption. |
| **Approach** | 1. Must be either “True” or “False” |
| **Example** | True  False |

## Element: Mark Format

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 50 |
| **Purpose** | Used to further define the mark assigned to the student by identifying the format of the mark value. |
| **Approach** | 1. Variable length alphanumeric code. 2. See Appendix B - Code Table Reference for a list of valid [Mark Format](#_Mark_Evaluation_Method) codes. |
| **Example** |  |

## Element: Mark Value

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 3 |
| **Purpose** | The mark value assigned to the student for a course. |
| **Approach** | 1. Must be a 1 character upper case alpha “A” through “F”, plus P or 3 digit numeric 0 through 999 (not zero filled) |
| **Example** | **Valid**:  83  P  B  **Invalid**:  83%  Pass |

## Element: School Year

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Integer |
| **Standard** |  |
| **Maximum length** | 4 |
| **Purpose** | School year for which the mark is applicable, expressed as the four-digit year in which the school year ends. |
| **Approach** | 1. Must be a four digit whole number |
| **Example** | 2010  2011 |

# Section Information



Figure 5.1 Section Information

## Element: Section Reference ID

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Guid |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | Unique Section identifier assigned by the school offering the section |
| **Approach** | 1. Must be a Guid that uniquely identifies the section. |
| **Example** |  |

## Element: Section Description

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Simple String[[1]](#footnote-1) |
| **Standard** |  |
| **Maximum length** | 50 |
| **Purpose** | Textual description of the section |
| **Approach** |  |
| **Example** | Grade 10 - Cosmetology  Grade 12 Diploma Pure Math  S4105T  WLD1910 |

## Element: Course Offering

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | List of Course Codes |
| **Standard** | See Section 4 - Common Data Elements |

## Element: School Code

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** | Refer to PASI Student School Enrolment Guidelines and Standards |
| **Maximum length** | 4 |
| **Purpose** | Used to identify the school that defined the section. |
| **Approach** | Accepts a 4 character numeric code [0-9]. Will reject if invalid characters found or of insufficient length. |
| **Example** | **Valid:**  4001  0982  **Invalid:**  982  982A |

## Element: School Year

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 - Common Data Elements |

## Element: Section Term

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 50 |
| **Purpose** | A time frame in which the section is delivered. |
| **Approach** | 1. Variable length alphanumeric code 2. See Appendix B - Code Table Reference for a list of valid [Section Term](#_Section_Enrolment_Status) codes. |
| **Example** |  |

## Element: Local Section ID

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | Simple String[[2]](#footnote-2) |
| **Standard** | Course Marks User Guide (Class ID) |
| **Maximum length** | 8 |
| **Purpose** | Section identifier provide by the school. |
| **Approach** | To support backward compatibility |
| **Example** |  |

## Element: Primary Delivery Method

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** | Course Information Data System |
| **Maximum length** | 50 |
| **Purpose** | Represents how the course was delivered based on the presentation method of the largest component of instructional material. |
| **Approach** | 1. Variable length alphanumeric code. 2. See Appendix B - Code Table Reference for a list of valid [Primary Delivery Method](#_Mark_Type) codes. |
| **Example** |  |

## Element: Delivery Schedule

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** | Course Information Data System |
| **Maximum length** | 50 |
| **Purpose** | Different ways in which the delivery of a course may be scheduled. |
| **Approach** | 1. Must be a three character upper case alpha [A-Z] 2. See Appendix B - Code Table Reference for a list of valid [Delivery Schedule](#_Delivery_Schedule) codes. |
| **Example** |  |

## Element: Instructional Language

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** | ISO 639-1 and Alberta Education |
| **Maximum length** | 2 |
| **Purpose** | Primary language used to deliver course instruction. |
| **Approach** | 1. Must be a two character upper case alpha [A-Z] 2. See Appendix B - Code Table Reference for a list of valid [Instructional Language](#_Language_of_Instruction)  codes. |
| **Example** |  |

## Element: Instructional Minutes

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | Integer |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | Total number of minutes of instruction offered for this section. |
| **Approach** | 1. Must be a whole number. |
| **Example** | 500  600 |

## Element: Credits Offered

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Integer |
| **Standard** |  |
| **Maximum length** | 2 |
| **Purpose** | Number of credits the student receives upon successful completion of the course(s). |
| **Approach** | 1. Must be a whole number. |
| **Example** | 3  5  1  10 |

## Element: Start Date

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | Date |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | The first day course instruction. |
| **Approach** | 1. Must be a valid date |
| **Example** |  |

## Element: End Date

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | Date |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | The last day course instruction. |
| **Approach** | 1. Must be a valid date |
| **Example** |  |

## Element: Is Deleted

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 - Common Data Elements |

# Course Enrolment Information



Figure 6.1 Course Enrolment Information

## Element: Course Enrolment Reference Id

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Guid |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | A Globally Unique Identifier (GUID) to identify a course enrolment. |
| **Approach** | 1. Must be a Guid that uniquely identifies the course enrolment. |
| **Example** |  |

## Element: State Province ID

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Integer |
| **Standard** | Refer to PASI Student Personal Information Guidelines and Standards |
| **Maximum length** | 9 |
| **Purpose** | A unique, nine digit numeric code that is assigned to a student. Commonly referred to as the Alberta Student Number. |
| **Approach** | * Must be a 9 character numeric code [0-9]. Reject if invalid characters found or of insufficient length. |
| **Example** | **Valid**:  830710555  **Invalid**:  83o71o555  8307105  083071055 |

## Element: Course Code

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 - Common Data Elements |

## Element: Section Reference Id

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 5 - Section Information |

## Element: Student School Enrolment Reference Id

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | Refer to PASI Student School Enrolment Guidelines And Standards |

## Element: Course Enrolment Status

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 50 |
| **Purpose** | State of the course enrolment. |
| **Approach** | 1. Variable length alphanumeric code. 2. See Appendix B – Code Table Reference for a list of valid [Course Enrolment Status](#_Course_Enrolment_Status) codes. |
| **Example** |  |

## Element: Credits Attempted

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Integer |
| **Standard** |  |
| **Maximum length** | 2 |
| **Purpose** | The credit value the student receives as the result of the evaluation process. |
| **Approach** | 1. Must be a whole number |
| **Example** | 5  3  1 |

## Element: Entry Date

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | Date |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | First day the student was enrolled in the course. |
| **Approach** | 1. Must be a valid date |
| **Example** |  |

## Element: Exit Date

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | Date |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | Last day the student was enrolled in the course. |
| **Approach** | * Must be a valid date |
| **Example** |  |

## Element: Is Deleted

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

## Element: Course Enrolment Mark

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | See Section 7 – Course Enrolment Mark Information |

## Element: Instructional Minutes Received

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | Integer |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | Number of minutes of instruction a student received while enrolled in the section. |
| **Approach** | * Must be a whole number. |
| **Example** | 500  478 |

## Element: Is Funding Requested

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Boolean |
| **Standard** | Course Mark User Guide |
| **Maximum length** |  |
| **Purpose** | Indicates whether the school or school authority has requested funding of this course enrolment. All “completed” course enrolments qualify for funding automatically. However, if the student did not complete or withdrew from the course, the school or school authority must indicate whether or not they are entitled to funding for the course enrolment. |
| **Approach** | 1. Must be either “True” or “False” |
| **Example** | True  False |

## Element: Is External Credential Eligible

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Boolean |
| **Standard** | Course Mark User Guide |
| **Maximum length** |  |
| **Purpose** | Indicates whether or not the course completion qualifies for an external credential. |
| **Approach** | 1. Must be either “True” or “False” |
| **Example** | True  False |

# Course Enrolment Mark Information



Figure 7.1 Course Enrolment Mark Information

## Element: Mark Value

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

## Element: Mark Format

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

## Element: Is Mark Approved

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

# Evaluated Mark Information



Figure 8.1 Evaluated mark Information

## Element: Evaluated Mark Reference Id

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Guid |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | A Globally Unique Identifier (GUID) to identify an evaluated mark. |
| **Approach** | * Must be a Guid that uniquely identifies the evaluated mark. |
| **Example** |  |

## Element: State Province ID

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Integer |
| **Standard** | PASI – Student Personal Information Guidelines and Standards |
| **Maximum length** | 9 |
| **Purpose** | A unique, nine digit numeric code that is assigned to a student. Commonly referred to as the Alberta Student Number.. |
| **Approach** | * Must be a 9 character numeric code [0-9]. Reject if invalid characters found or of insufficient length. |
| **Example** | **Valid**:  830710555  **Invalid**:  83o71o555  8307105 |

## Element: Course Code

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

## Element: School Year

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

## Element: Credits Attempted

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Integer |
| **Standard** |  |
| **Maximum length** | 2 |
| **Purpose** | Credits the student attempted to achieve |
| **Approach** | 1. Must be a whole number. |
| **Example** | 3  5  1 |

## Element: Mark Assignment Date

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Date |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | The date the mark was assigned. |
| **Approach** | Must be a valid date. |
| **Example** |  |

## Element: Evaluation Method

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 50 |
| **Purpose** | Procedure used to perform the evaluation. |
| **Approach** | 1. Variable length alphanumeric code. 2. See Appendix B – Code Table Reference for a list of valid [Evaluation Method](#_Evaluation_Method) codes. |
| **Example** |  |

## Element: Evaluating Organization Code

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 6 |
| **Purpose** | The 6 digit organization code that identifies the Organization conducting the evaluation. |
| **Approach** |  |
| **Example** | S.1213  A.1234  O.4545 |

## Element: Mark Value

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

## Element: Mark Format

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

## Element: Evaluation Date

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Date |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | The date the evaluation was conducted. |
| **Approach** | 1. Must be a valid date. |
| **Example** |  |

## Element: Is Funding Requested

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Boolean |
| **Standard** | Course Mark User Guide |
| **Maximum length** |  |
| **Purpose** | Indicates whether the school or school authority has requested funding of this evaluation. |
| **Approach** | 1. Must be either “True” or “False” |
| **Example** | True  False |

## Element: Is Deleted

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

## Element: Is Mark Approved

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

# Exam Information



Figure 9.1 Exam Information

## Element: Exam Reference Id

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Guid |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | A Globally Unique Identifier (GUID) to identify a exam. |
| **Approach** | 1. Must be a Guid that uniquely identifies the exam. |
| **Example** |  |

## Element: Exam Type

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 50 |
| **Purpose** | A code value indicating the type of credential the examination supports. |
| **Approach** | 1. Variable length alphanumeric code. 2. See Appendix B – Code Table Reference for a list of valid [Exam Type](#_Exam_Type) codes. |
| **Example** |  |

## Element: School Year

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

## Exam Period

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 50 |
| **Purpose** | A specified time period within the school year when the exam can be written. |
| **Approach** | 1. Variable length alphanumeric code. 2. See Appendix B – Code Table Reference for a list of valid [Exam Period](#_Exam_Period_1) codes. |
| **Example** |  |

## Element: Course Code

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

## Element: Exam Components

A list of exam components for which marks will be reported back to the student. (optional)

### Element: Component Name

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Simple String[[3]](#footnote-3) |
| **Standard** |  |
| **Maximum length** | 40 |
| **Purpose** | Textual description of the exam part. |
| **Approach** |  |
| **Example** |  |

### Element: Component Code

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 6 |
| **Purpose** | A code value used to identify an instance of an exam component. |
| **Approach** |  |
| **Example** | WR  MS |

### Element: Mark Format

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

### Element: Maximum Mark

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 4 |
| **Purpose** | A maximum possible mark for the component. |
| **Approach** |  |
| **Example** | 35  80  A |

### Element: Weight

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Float |
| **Standard** |  |
| **Maximum length** | 3.2 |
| **Purpose** | Identifies the percentage of the Exam Mark for which this component contributes. |
| **Approach** |  |
| **Example** | 50.0  25.0 |

## Element: Form ID

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Simple String[[4]](#footnote-4) |
| **Standard** |  |
| **Maximum length** | 6 |
| **Purpose** | An identifier that indicates the specific form for the exam. |
| **Approach** | There can be multiple forms with different questions for the same course, school year and session combination. |
| **Example** | 001  B22 |

## Element: Mark Format

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

## Element: Language of Exam

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** | Course Mark User Guide |
| **Maximum length** | 2 |
| **Purpose** | The language in which the student responded to the exam. |
| **Approach** | * Alberta Education only produces exams written in English or French exam. |
| **Example** | |  |  | | --- | --- | | **EN** | English | | **FR** | French | |

## Element: Rescore Deadline

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | Date |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | A date defining the deadline for students to submit a Rescore request to assessment. |
| **Approach** |  |
| **Example** |  |

## Element: Is Deleted

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

# Exam Mark Information



Figure 10.1 Exam Mark Information

## Element: Exam Mark Reference Id

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Guid |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | A Globally Unique Identifier (GUID) to identify a exam mark. |
| **Approach** | 1. Must be a Guid that uniquely identifies the exam mark. |
| **Example** |  |

## Element: Exam Reference Id

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Guid |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | Used to identify the associated Exam |
| **Approach** | See Section 9 Exam Information |
| **Example** |  |

## State Province Id

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Integer |
| **Standard** | PASI – Student Personal Information Guidelines and Standards |
| **Maximum length** | 9 |
| **Purpose** | A unique, nine digit numeric code that is assigned to a student. Commonly referred to as the Alberta Student Number. |
| **Approach** | * Must be a 9 character numeric code [0-9]. Reject if invalid characters found or of insufficient length. |
| **Example** | **Valid**:  830710555  **Invalid**:  83o71o555  8307105  083071055 |

## Element: Writing Centre

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 6 |
| **Purpose** | The 6 digit organization code that identifies the Organization responsible for managing the Writing Centre. |
| **Approach** | If component marks are not submitted, Exam Mark Writing Centre must be present. |
| **Example** | S.1213  A.1234  O.4545 |

## Mark Value

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | See Section 4 – Common Data Elements |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** |  |
| **Approach** | Exam mark may not be available if an exam component mark is missing.  Exam marks are submitted by Alberta Education |
| **Example** | 89  35 |

## Element: Component Marks

List of Component Mark Information (Optional)

### Element: Component Code

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 9 Exam Information |

### Element: Mark Value

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | See Section 4 – Common Data Elements |

### Element: Component Mark Status

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 50 |
| **Purpose** | A code value indicating if the student received a mark or not, for the component. |
| **Approach** | Component marks are submitted by Alberta Education |
| **Example** | 1. Variable length alphanumeric code. 2. See Appendix B – Code Table Reference for a list of valid [Component Mark Status](#_Component_Mark_Status) codes. |

### Element: Writing Centre

|  |  |
| --- | --- |
| **Characteristic** | Optional |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 6 |
| **Purpose** | The 6 digit organization code that identifies the Organization responsible for managing the Writing Centre. |
| **Approach** |  |
| **Example** | S.1213  A.1234  O.4545 |

## Element: Exam Mark Status

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Text |
| **Standard** |  |
| **Maximum length** | 50 |
| **Purpose** | A code value indicating if the mark is final, or why a mark was not provided. |
| **Approach** | Exam marks are submitted by Alberta Education |
| **Example** | 1. Variable length alphanumeric code. 2. See Appendix B – Code Table Reference for a list of valid [Exam Mark Status](#_Exam_Mark_Status) codes. |

## Element: Is Deleted

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | See Section 4 – Common Data Elements |

## Element: Is Rescored

|  |  |
| --- | --- |
| **Characteristic** | Mandatory |
| **Type** | Boolean |
| **Standard** |  |
| **Maximum length** |  |
| **Purpose** | A Boolean value indicating that mark value incorporates a rescore requested by the student. |
| **Approach** |  |
| **Example** | True  False |

# Appendix A – Proposal Feedback

|  |  |  |
| --- | --- | --- |
| Committee Member | Feedback | Decision / Action |
| Michele Samuel | Section Term – expand to include : Continuous & Summer | Continuous & Summer added to permissible values |
| Michele Samuel | Change assessment date to mark assignment date | Changed assessment date to mark assignment date |
| Michele Samuel | Expand periods to include all months. | Expanded periods to include all months |
| Bryon Duff | Remove Funding Schedule and add Delivery Schedule | Removed Funding Schedule and added Delivery Schedule |
| Michele Samuel | Exam Language represents the language the student responded to the exam – not the language the exam was written in. | Changed the name of the element to “Response Language” |
| Michele Samuel | GED exams can be written in Spanish | Added Spanish to the permissible values |
| Ping Yang | An exam may be prepared in multiple languages and with varying sets of questions. LAB needs to know which form the student used to write the exam | Added “component form” to Component Mark Information. |
| Carolyn Baker | Will schools submit exam/component marks? | No. This information will be submitted by Alberta Education.  This information can be retrieved by Schools and School Authorities. |
| Sam Radke | Progress to Date marks have little value without knowing the outcomes evaluated to obtain the mark. | Removed “progress level” from course enrolment table. |
| Scott Ozeroff | Simplify Exam and Exam Marks | Refactored Exam and Exam Marks |

# Appendix B – Code Table Reference

The following pages list valid codes that are used for various Course Mark data elements within the PASI solution.

Note: For the most current list of codes please visit: <https://extranet.education.alberta.ca/PASI.devnet/>

## Course Enrolment Status

A code value indicating the state of the course enrolment.

|  |  |
| --- | --- |
| Course Enrolment Status Code | Description |
| Registered | Registered |
| Active | Active |
| Completed | Completed |
| Withdrawn | Withdrawn |
| Incomplete | Incomplete |

## Delivery Schedule

Ways the delivery of a course may be scheduled.

|  |  |
| --- | --- |
| Delivery Schedule Code | Description |
| EVG | Evening |
| MAJ | Majority |
| REG | Regular |
| SAT | Saturday |

## Evaluation Method

A procedure used to perform the evaluation.

| Evaluation Method Code | Description |
| --- | --- |
| OUT-BC | Out of Province: British Columbia |
| OUT-MB | Out of Province: Manitoba |
| OUT-NB | Out of Province: New Brunswick |
| OUT-NL | Out of Province: Newfoundland and Labrador |
| OUT-NS | Out of Province: Nova Scotia |
| OUT-NT | Out of Province: Northwest Territories |
| OUT-NU | Out of Province: Nunavut |
| OUT-OC | Out of Province: Outside Canada |
| OUT-ON | Out of Province: Ontario |
| OUT-PE | Out of Province: Prince Edward Island |
| OUT-QC | Out of Province: Quebec |
| OUT-SK | Out of Province: Saskatchewan |
| OUT-YT | Out of Province: Yukon |
| MUS | Music Evaluation |
| PVT | Private School Evaluation |
| CHA | Challenge Assessment |
| MPC | Mature Prerequisite Credit |
| WPC | Waived Prerequisite Credit |
| EXP | Exemption |
| JRH | Junior High |

## Exam Mark Status

A code value indicating if the mark is final, or why a mark was not provided.

|  |  |
| --- | --- |
| Exam Mark Status Code | Description |
| FE | Full Exemption |
| IN | Invalid |
| NW | Not Written |
| PE | Partial Exemption |
| RG | Regular Exam Mark |
| SC | Special Case |
| SP | Split Writing |
| WH | Withheld |

## Exam Period

A specified time period within the school year when the exam can be written.

|  |  |
| --- | --- |
| Exam Period Code | Description |
| JAN | January |
| FEB | February |
| MAR | March |
| APR | April |
| MAY | May |
| JUN | June |
| JUL | July |
| AUG | August |
| SEP | September |
| OCT | October |
| NOV | November |
| DEC | December |

## Exam Type

The type of credential the examination supports.

|  |  |
| --- | --- |
| Exam Type Code | Description |
| DPE | Diploma Exam |
| PDE | Pilot Diploma |

## Instructional Language

Primary language used to deliver course instruction.

| Instructional Language Code | Description |
| --- | --- |
| AR | Arabic |
| AL | American Sign Language |
| BL | Blackfoot (Siksika) |
| CC | Chinese (Cantonese, Yue) |
| CM | Chinese (Mandarin) |
| CR | Cree |
| DN | Dene (Chipewyan) |
| NL | Dutch |
| EN | English |
| FL | Filipino |
| FR | French |
| DE | German |
| GR | Greek (Ancient) |
| HE | Hebrew |
| HI | Hindi |
| HU | Hungarian |
| IT | Italian |
| JA | Japanese |
| KO | Korean |
| NK | Nakota (Dakota) |
| PL | Polish |
| PT | Portuguese |
| PU | Punjabi |
| RU | Russian |
| SX | Saulteaux (Ojibwa) |
| SP | Spanish |
| SV | Swedish |
| TI | Tigrinian (Tigrinya) |
| TU | Tsuu T’ina |
| UK | Ukrainian |
| UR | Urdu |
| VI | Vietnamese |
| OT | Other |

## Mark Format

Used to further define the mark assigned to the student by identifying the format of the mark value.

|  |  |
| --- | --- |
| Mark Format Code | Description |
| LGR | Letter Grade |
| P/F | Pass / Fail |
| PCT | Percentage |
| SCR | Numerical Score |

## Component Mark Status

A code value indicating if the student received a mark or not, for the component.

|  |  |
| --- | --- |
| Component Mark Status Code | Description |
| IN | Invalid |
| NW | Not Written |
| RG | Regular Exam Mark |
| WH | Withheld |

## Primary Delivery Method

Represents how the course was delivered based on the presentation method of the largest component of instructional material.

|  |  |
| --- | --- |
| Primary Delivery Method Code | Description |
| DSL | Distance Learning |
| HED | Home Education |
| OFC | Off Campus |
| ONC | On Campus |
| ORP | Outreach |
| REG | Regular |
| VTL | Virtual |

## Section Term

A time frame in which the section is delivered.

|  |  |
| --- | --- |
| Section Term Code | Description |
| Continuous | Continuous |
| FullYear | Full Year |
| Semester1 | Semester 1 |
| Semester2 | Semester 2 |
| Summer | Summer |
| Quarter1 | Quarter 1 |
| Quarter2 | Quarter 2 |
| Quarter3 | Quarter 3 |
| Quarter4 | Quarter 4 |

1. See Simple String Data Standard and Guideline [↑](#footnote-ref-1)
2. See Simple String Data Standard and Guideline [↑](#footnote-ref-2)
3. See Simple String Data Standard and Guideline [↑](#footnote-ref-3)
4. See Simple String Data Standard and Guideline [↑](#footnote-ref-4)