

# **SIF PROFILE MAPPINGS**

## **IOWA Department of Education State Reporting Using Schools Interoperability Framework**



**Version 4.0, 2016-2017**

May 6, 2016

# Table of Contents

SIF PROFILE REVISION HISTORY .....	4
2016-2017 CHANGES .....	4
<b>1 - INTRODUCTION.....</b>	<b>6</b>
1.1 – PURPOSE .....	6
1.2 – HOW TO USE THIS DOCUMENT.....	6
1.3 – DATA COLLECTION WORKFLOW .....	7
1.4 – UNIQ-ID AUTOMATION WORKFLOW .....	7
1.5 – IOWA TIER AUTOMATION WORKFLOW.....	8
<b>2 – BREAKDOWN OF SIF OBJECTS BY STATE COLLECTION.....</b>	<b>8</b>
<b>3 – SIF OBJECT DEFINITION FORMAT.....</b>	<b>10</b>
<b>4 – SIF OBJECT DEFINITIONS.....</b>	<b>11</b>
<b>4.1 – GRADE BOOK OBJECTS .....</b>	<b>11</b>
4.1.1 <i>MarkInfo</i> .....	11
4.1.2 <i>MarkValueInfo</i> .....	12
4.1.3 <i>StudentSectionMarks</i> .....	14
<b>4.2 – STUDENT INFORMATION SYSTEM OBJECTS .....</b>	<b>16</b>
4.2.1 <i>AttendanceCodeInfo</i> .....	16
4.2.2 <i>CalendarSummary</i> .....	17
4.2.3 <i>DisciplineIncident</i> .....	19
4.2.4 <i>LEAInfo</i> .....	26
4.2.5 <i>SchoolCourseInfo</i> .....	27
4.2.6 <i>SchoolInfo</i> .....	30
4.2.7 <i>SectionInfo</i> .....	31
4.2.8 <i>StaffAssignment</i> .....	33
4.2.9 <i>StaffPersonal</i> .....	35
4.2.10 <i>StudentAttendanceSummary</i> .....	36
4.2.11 <i>StudentContact</i> .....	38
4.2.12 <i>StudentDailyAttendance</i> .....	41
4.2.13 <i>StudentPersonal</i> .....	42
4.2.14 <i>StudentSchoolEnrollment</i> .....	45
4.2.15 <i>StudentSectionEnrollment</i> .....	56
4.2.16 <i>StudentSnapshot</i> .....	57
4.2.17 <i>TermInfo</i> .....	59
<b>4.3 – HUMAN RESOURCES AND FINANCIALS OBJECTS.....</b>	<b>60</b>
4.3.1 <i>EmployeeAssignment</i> .....	60
4.3.2 <i>EmployeePersonal</i> .....	63
4.3.3 <i>LocationInfo</i> .....	66
<b>A - APPENDIX.....</b>	<b>68</b>
<b>A.4.1 – GRADE BOOK OBJECTS APPENDIX.....</b>	<b>68</b>
<b>A.4.2 – STUDENT INFORMATION SYSTEM OBJECTS APPENDIX.....</b>	<b>68</b>
A.4.2.3-1 <i>DisciplineIncident – IncidentLocation</i> .....	68

**SIF PROFILE MAPPINGS**

A.4.2.3-2 *DisciplineIncident – SIF\_ExtendedElement / StudentRemovals / StudentRemoval / ActionTaken* .....69

A.4.2.3-3 *DisciplineIncident – SIF\_ExtendedElement / StudentRemovals / StudentRemoval / ProblemBehavior*  
.....69

A.4.2.3-4 *DisciplineIncident – SIF\_ExtendedElement / StudentRemovals / StudentRemoval / WeaponCode*.....71

A.4.2.3-5 *DisciplineIncident – SIF\_ExtendedElement / StudentRemovals / StudentRemoval / Motivation*.....72

A.4.2.3-6 *DisciplineIncident – SIF\_ExtendedElement / StudentRemovals / StudentRemoval / InstructionalFormat*.....72

A.4.2.5-1 *SchoolCourseInfo – SubjectArea / OtherCodeList / OtherCode* .....73

A.4.2.5-2 *SchoolCourseInfo – SIF\_ExtendedElement / CourseOrigination*.....73

A.4.2.8-1 *StaffAssignment – JobFunction / Code (Iowa TIER Security Roles)*.....74

A.4.2.8-2 *StaffAssignment – JobFunction / OtherCodeList / OtherCode (BEDS Position Codes)* .....75

A.4.2.8-3 *StaffAssignment – TeachingAssignment / OtherCodeList / OtherCode (BEDS Assignment)* .....79

A.4.2.8-4 *StaffAssignment – SIF\_ExtendedElement/ProgramCode (Staff and Employee Program Codes)*.....99

A.4.2.13-1 *StudentPersonal – Race / OtherCodeList / OtherCode*.....100

A.4.2.14-1 *StudentSchoolEnrollment – EntryType / OtherCodeList / OtherCode (Entry Code)* .....101

A.4.2.14-2 *StudentSchoolEnrollment – ExitType / OtherCodeList / OtherCode (Exit Code)*.....102

A.4.2.14-3 *StudentSchoolEnrollment – SIF\_ExtendedElement/ DestinationCode* .....103

A.4.2.16-1 *StudentSnapshot – SIF\_ExtendedElement / PostGradPlan* .....103

**A.4.3 – HUMAN RESOURCES AND FINANCIALS OBJECTS APPENDIX..... 103**

A.4.3.1-1 *EmployeeAssignment – SIF\_ExtendedElement AssignmentCode – Iowa Assignment Codes* .....103

A.4.3.1-2 *EmployeeAssignment – Shared Codes*.....108

## SIF Profile Revision History

Version	Date	Change	Description
<b>1.0</b>	<b>7/16/2012</b>	<b>2012-2013 Release</b>	<b>Profile release for 2012-13 school year.</b>
1.0.1	8/14/2012	Minor update	Minor updates to version 1.0.
1.0.2	8/09/2013	2013-2014 Release	Profile release for 13-14 school year.
1.0.2	9/24/2013	Minor update	Minor updates to version 1.0.2.
1.0.2	9/30/2013	Minor update	Minor updates to version 1.0.2.
1.0.2	11/15/2013	Minor update	Minor updates to version 1.0.2.
1.0.2	11/26/2013	Minor update	Minor updates to version 1.0.2.
<b>2.0</b>	<b>12/31/2014</b>	<b>2014-2015 Release</b>	<b>Profile release for 2014-15 school year.</b>
2.0.1	2/5/2015	Minor update	Minor updates to version 2.0.
2.0.2	3/20/2015	Minor update	Minor updates to version 2.0.
<b>3.0</b>	<b>May 26, 2015</b>	<b>2015-16 Release</b>	<b>Profile release for 2015-16 school year.</b>
<b>4.0</b>	<b>May 6, 2016</b>	<b>2016-17 Release</b>	<b>Profile release for 2016-17 school year.</b>

### 2016-2017 Changes

The following changes have been made to this Profile in compliance with the Student Reporting in Iowa 2016-2017 Data Dictionary and Iowa TIER:

#### Deleted Objects

- Deleted StudentDemographicRecord
- Deleted StudentAcademicRecord

#### Changed Objects

- Added TIER to StudentAttendanceSummary

#### Deleted Elements

- Deleted Element StudentSnapshot / SIF\_ExtendedElement / KLitAssessment – Element D0735

#### Added Elements

- Added Element DisciplineIncident / SIF\_ExtendedElement / StudentRemovals / StudentRemoval / InstructionalFormat
- Added Element StudentSnapshot / SIF\_ExtendedElement / ExtracurricularActivities – Element D0555

## **SIF PROFILE MAPPINGS**

- Added Element StudentSnapshot / SIF\_ExtendedElement / PayingJob – Element D0557
- Added Element StudentSchoolEnrollment / SIF\_ExtendedElement / LIEPWaivedDate – Element D0425

### **Changed Elements**

- Changed Element CalendarySummary / InstructionalMinutes to mandatory
- Changed Element CalendarSummary / MinutesPerDay to mandatory
- Changed codeset for Element StaffAssignment / JobFunctionCode

### **Added Workflow Requirements**

- Added Entry Type as Required Element for Uniq-ID Automation Workflow – Element D0175

**Historical profile changes are available upon request.**

## 1 - Introduction

This Profile document is being provided to application vendors based on the Iowa DE File Layouts for SRI, Uniq-ID, BEDS, and Iowa TIER. Many of the source documents used to create this Profile can be found on the official website of the Iowa Department of Education <https://www.educateiowa.gov/data-reporting/schools-interopability-framework-sif>

The Iowa Department of Education is committed to helping districts and schools collect and report state-mandated BEDS, State ID, and Student Reporting In Iowa, and Iowa TIER data in a more timely and automated manner. New web-enabled software tools are available to all LEAs to facilitate the collection of this data using SIF.

The *Schools Interoperability Framework*<sup>TM</sup> (SIF) standard describes both a data model and a transport mechanism by which data is securely requested from, routed, and delivered to authorized applications. Several application vendors already provide SIF-enabling extensions (agents) for their software although most support only a small number of SIF objects and data elements. The full SIF Implementation Specification can be found at [the Access 4 Learning \(A4L\) Community web site](#).

### 1.1 – Purpose

The purpose of this document is to provide application vendors with the information needed to successfully develop SIF agents in compliance with Iowa Department of Education State Reporting. Districts and schools are encouraged to work with their application vendors to ensure a suitable SIF agent is available and able to publish the data needed to best represent their interests with the state.

The information in this document is provided in addition to and in concert with current DE publications for data definitions. As such, there is no attempt here to replicate DE data element definitions, code sets, or to describe business logic or validation rules except where further explanation or context is needed.

### 1.2 – How to Use This Document

This document contains SIF object definitions and explanations that facilitate the collection of data for DE systems. While the SIF specification contains in excess of 250 SIF objects and services, only those applicable to DE state reporting are documented in this profile. Accompanying each object are notes on usage and expected behaviors, including whether support for SIF events is needed or not.

SIF mappings are based on *SIF Implementation Specification v2.4*. DE data elements are mapped to existing SIF objects and data elements where possible. SIF extended elements are used in cases where no suitable mapping is available. DE data element codes are used within the SIF object definitions to signify the element mapping.

For most of the SIF\_ExtendedElements, which are located at the root of an object, the parent element SIF\_ExtendedElements was intentionally left out from the path after its first mention. The XML structure remains the same, but the notation has been simplified. Where the SIF\_ExtendedElements is an extension of an element, and not the root, then the full path is noted. The Appendix provides code sets for data elements as they pertain to DE and other useful information not generally found in other DE documents or in the SIF object definitions.

### 1.3 – Data Collection Workflow

State reporting personnel within districts and schools (LEAs) are given access to a secure web portal through which they can direct the collection, validation, and submission of state reporting data. These folks are given complete control over state reporting processes and decide when it is appropriate to approve the data and submit it to DE. The portal facilitates the collection of data using SIF (preferred) but may for some collections accept an existing extract file when a suitable SIF agent is unavailable. Validation (“edit”) checks are performed against collected data and the results are made available for review. Any data issues need to be corrected in the source system. Data previews are available in the software to assist in determining whether the data set is complete and ready for submission. This process can be automated, alerting state reporting personnel of any issues via email notification.

From a vendor perspective starting a collection causes SIF Requests to be sent to the local SIF zone. Responses are stored and transformed from SIF objects into the formats required for delivery to the state. Transformation logic determines how and what data is used and validation checks determine whether the data is complete enough for submission. Validation checks can be as simple as checking to make sure a value is provided to looking up a value within a long, dynamic list or even something more complex involving multiple columns and tables. DE has complete control over the logic used within each collection and can publish logic (manifest) updates without a software upgrade.

### 1.4 – Uniq-ID Automation Workflow

LEAs are able to acquire Uniq-IDs for students automatically when using a capable SIF agent. When a student is added to the local Student Information System (SIS) the corresponding SIF agent generates a SIF Add event on the StudentPersonal and StudentSchoolEnrollment objects. These events cause the SIF agent for Uniq-ID to generate a formal request for a Uniq-ID from the state hosted Uniq-ID system. Upon successful resolution the assigned Uniq-ID is delivered to the local SIF zone in the form of a SIF Change event on the StudentPersonal object for the StateProvinceId. The SIS agent should then consume the assigned Uniq-ID and write it to the appropriate location with the SIS application database.

This process depends largely on the ability of the SIS agent to publish SIF objects and events that provide key student demographic and enrollment information, and for the SIS agent to consume (**write-back**) the Uniq-ID it receives to the application database. When configured properly this process works very well and usually within just a few minutes of the initial request. The SIF objects needed to support this workflow are limited to StudentPersonal, StudentSchoolEnrollment, and SchoolInfo. Specific elements can be located within this specification by searching for the keyword “Uniq-ID”.

#### Iowa SLF (Uniq-ID) Input Parameters

Element	Format	Min Len	Max Len	Required
School Number	Alpha	4	4	Y
Resident District	Alpha	4	4	Y
Student Last Name	Alpha	1	60	Y
Student First Name	Alpha	1	60	Y
Student Middle Name	Alpha	1	60	N
Student Suffix	Alpha	1	10	N
Gender	Alpha	1	1	Y
Birth Date	Date	10	10	Y
Grade Level	Alpha	2	2	Y

**SIF PROFILE MAPPINGS**

Local Student ID	Alpha	1	20	Y
Social Security Number	Numeric	9	9	N
RaceEthnicity_StateID	Alpha	1	1	Y
State Student ID	Numeric	10	10	N
Attending District	Alpha	4	4	Y
Current School Year	Numeric	4	4	Y
Entry Code	Alpha	1	2	Y
Entry Type	Alpha	5	5	Y

**1.5 – Iowa TIER Automation Workflow**

LEAs are able to populate the Iowa TIER system automatically when using a SIF agent that responds to event-driven transactions. When data are changed in the local SIS, the corresponding SIF agent generates a SIF Add, Change (Update), or Delete event on the following objects:

MarkInfo	LEAInfo	SchoolCourseInfo
MarkValueInfo	SchoolInfo	SectionInfo
StudentSectionMarks	StudentPersonal	StudentSectionEnrollment
AttendanceCodeInfo	StudentSchoolEnrollment	StudentContact
CalendarSummary	StaffPersonal	StudentDailyAttendance
DisciplineIncident	StaffAssignment	TermInfo

Specific elements can be located within this specification by searching for the keyword “TIER”. Any data change to any data element in the above objects shall produce an event.

**2 – Breakdown of SIF Objects by State Collection**

The table below shows the Iowa DE collections and the SIF Objects used to gather their respective data. Please note that submitting district identifier for all Iowa State SIF collections is provided in LEAInfo/StateProvinceId.

Collections	Objects	Data
Student Reporting in Iowa (SRI)	StudentSectionMarks, DisciplineIncident, LEAInfo, SchoolCourseInfo, SchoolInfo, SectionInfo, StaffPersonal, StudentAttendanceSummary, StudentPersonal, StudentSchoolEnrollment, StudentSectionEnrollment, StudentSnapshot, TermInfo	Student
Uniq-ID	SchoolInfo, StudentPersonal, StudentSchoolEnrollment	Student State ID
TIER	MarkInfo, MarkValueInfo, StudentSectionMarks, AttendanceCodeInfo, CalendarSummary, DisciplineIncident, LEAInfo, SchoolCourseInfo, SchoolInfo, SectionInfo, StaffAssignment, StudentAttendanceSummary, StaffPersonal, StudentContact, StudentDailyAttendance, StudentPersonal, StudentSchoolEnrollment, StudentSectionEnrollment, TermInfo	Student, Staff
BEDS	SchoolInfo, StaffAssignment, StaffPersonal, EmployeePersonal, EmployeeAssignment, LocationInfo	Staff

**S I F P R O F I L E M A P P I N G S**

<b>State Zone</b>	<b>State collections</b>	<b>Iowa TIER Zone</b>
		MarkInfo
		MarkValueInfo
StudentSectionMarks	SRI	StudentSectionMarks
		AttendanceCodeInfo
		CalendarSummary
DisciplineIncident	SRI	DisciplineIncident
LEAInfo	SRI	LEAInfo
SchoolCourseInfo	SRI	SchoolCourseInfo
SchoolInfo	Uniq-ID, SRI, BEDS	SchoolInfo
SectionInfo	SRI	SectionInfo
StaffAssignment	BEDS	StaffAssignment
StaffPersonal	SRI, BEDS	StaffPersonal
StudentAttendanceSummary	SRI	StudentAttendanceSummary
		StudentContact
		StudentDailyAttendance
StudentPersonal	Uniq-ID, SRI	StudentPersonal
StudentSchoolEnrollment	Uniq-ID, SRI	StudentSchoolEnrollment
StudentSectionEnrollment	SRI	StudentSectionEnrollment
StudentSnapshot	SRI	
TermInfo	SRI	TermInfo
EmployeePersonal	BEDS	
EmployeeAssignment	BEDS	
LocationInfo	BEDS	

### 3 – SIF Object Definition Format

The SIF objects needed for Iowa State reporting are listed in this document and appear in a format very similar to that used in the SIF Implementation Specification, with the following additions:

- A column has been added to explain any business rules or instructions beyond those defined in the Iowa Data Dictionary or in documents posted on the BEDS website, or in TIER documents posted on the Early Literacy Implementation website as they relate to this SIF mapping.
- The column “Profile Char” reflects whether an element or an attribute is Mandatory, Optional, or Conditional.
- “M” stands for Mandatory and means that an agent must provide the SIF element and a valid value in every instance.
- “O” stands for Optional and means that an agent must provide the SIF element and a valid value if a value exists in the Student Information System or other software system.
- “C” stands for Conditional and means that an agent must provide the SIF element and a valid value if the condition exists according to the IA DE Business Rules.
- “R” indicates that, in addition to the restrictions above, the element is repeatable.
- The gray cells in the “Profile Char” column highlight discrepancies between the SIF Specification and Iowa SIF Profile mappings.

Table columns are defined as:

Table Key					
Element/Attribute	Profile Char	IA DE Element Code	Description	SIF Type	IA DE Business Rules
SIF Element or attribute name	Requirement level (Mandatory, optional, conditional, etc.) as required for adherence to this profile.	The identifying IA DE code.	Description as identified by the SIF Implementation Specification 2.4	The data type as defined by the SIF Implementation Specification 2.4	Brief explanations of IA DE Business Rules, or references to notes, or brief instructions for an element

## 4 – SIF Object Definitions

### 4.1 – Grade Book Objects

Usage:

The goal of the Grade Book Objects are an efficient, functional standard that supports the entire SIF structure, allowing for easy, bi-directional transfer of data integral to grading.

#### 4.1.1 MarkInfo

(SIF Implementation Specification 2.4 - 6.7.4)

This object defines each mark that can be recorded and associates it with a MarkValueInfo object that lists the types of values and valid values for each type. It also places the definition in the context of a school and a school year.

SIF\_Events are reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>MarkInfo</b>					
@RefId	M		The Id (GUID) that uniquely identifies this Grading Mark entity	RefIdType	
@MarkValueInfoRefId	M		The Id (GUID) that uniquely identifies the MarValueInfo.	RefIdType	
@SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School that this Mark applies to.	RefIdType	
SchoolYear	M		The school year for which this MarkInfo is applicable, expressed as the four-digit year in which the school year ends (e.g. 2017 for the 2016-17 school year).	SchoolYear	
Description	M	TIER	Textual description of the type of Mark (e.g. "Marking Period Grade", "Comment 1", "Comment2", "Conduct", "Effort", "WorkHabits").	xs:string	

**SIF PROFILE MAPPINGS**

**4.1.2 MarkValueInfo**

(SIF Implementation Specification 2.4 - 6.7.5)

This object defines the types of values allowed for a mark and the domain for each mark value. At least one of the Percentage, Numeric, Letter, or Narrative nodes must be used to create a valid MarkValueInfo.

SIF\_Events are reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>MarkValueInfo</b>					
@RefId	M		The Id (GUID) that uniquely identifies this MarkValueInfo entity	RefIdType	
@SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School that this Mark Values apply to.	RefIdType	
SchoolYear	M		The school year for which this MarkValueInfo is applicable, expressed as the four-digit year in which the school year ends (e.g. 2017 for the 2016-17 school year).	SchoolYear	
Name	M	TIER	The text name of the value list (“Letter Grades”, “Letter Grades (+/-)”, “ESU”, “Pass/Fail”, “Override Grades”, “Citizenship Comment Codes”, etc.).	xs:string	
Percentage	M	TIER	Indicates whether a percent Mark is accepted (format ##0.00).		
@IsAccepted	M	TIER	Indicates whether a percent Mark is accepted and is used in Change events to unambiguously signal whether support for the Mark has changed, especially ended.	xs: boolean	
Percentage / Minimum	O	TIER	The minimum percent value accepted for this mark. If present, the publisher of this object is required to ensure that any values present in the StudentSectionMarks object will not be lower than this value.	xs: decimal xs:fractionDigits 2	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>MarkValueInfo</b>					
Percentage / Maximum	O	TIER	The maximum percent value accepted for this mark. If present, the publisher of this object is required to ensure that any values present in the StudentSectionMarks object will not be higher than this value.	xs: decimal xs:fractionDigits 2	
Numeric	M	TIER	Indicates whether a raw numeric score is accepted.		
@IsAccepted	M	TIER	Indicates whether a raw numeric score is accepted and is used in Change events to unambiguously signal whether support for the score has changed, especially ended	xs: boolean	
Numeric / Precision	O	TIER	Number of significant digits.	xs: unsignedInt	
Numeric / Scale	O	TIER	Number of decimal places.	xs: unsignedInt	
Numeric / Low	O	TIER	Lowest Mark in the range (e.g., 98, 3.95).	xs: decimal xs:fractionDigits 2	
Numeric / High	O	TIER	Highest Mark in the range (e.g., 100, 4.0).	xs: decimal xs:fractionDigits 2	
Letter	M	TIER	Indicates whether a letter Mark is accepted.	ActionList (ValidMark/Code)	
@IsAccepted	M	TIER	Indicates whether a letter Mark is accepted and is used in Change events to unambiguously signal whether support for the Mark has changed, especially ended.	xs: boolean	
Letter / ValidMark	CR	TIER	List of specific valid letter Marks. May be omitted when IsAccepted is false, otherwise mandatory.		
@SIF_Action	O	TIER	In a Change event, this flag can be used to indicate an element has been deleted from the parent list container. At a minimum, the key for the list must also be present.	Delete	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>MarkValueInfo</b>					
Letter / ValidMark / Code	M	TIER	String representing the actual Mark that would appear on the report card (e.g., "A+", "I", "100").	xs: token	
Letter / ValidMark / NumericEquivalent	O	TIER	Numeric equivalent for the Mark (e.g., "100", "4.0").	xs: decimal xs:fractionDigits 2	
Letter / ValidMark / Description	O	TIER	The description for this code (e.g. "Excellent", "Participates in Class", "Incomplete", etc.).	xs: string	
Narrative	M	TIER	If present, indicates that a free-form text narrative is accepted.		
@IsAccepted	M	TIER	Indicates whether a narrative is accepted and is used in Change events to unambiguously signal whether support for a narrative has changed, especially ended.	xs: boolean	
Narrative / MaximumSize	O	TIER	An integer value representing the maximum number of Unicode characters for the narrative, the UTF-8 encoding of which may be longer.	xs: unsignedInt	

**4.1.3 StudentSectionMarks**

(SIF Implementation Specification 2.4 - 6.7.10)

This object contains the marks entered for a student in a class section for a specific marking period.

SIF\_Events are reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSectionMarks</b>					
@StudentPersonalRefId	M		The Id (GUID) that uniquely identifies the StudentPersonal object that this item refers to.	RefIdType	
@SectionInfoRefId	M		The Id (GUID) that uniquely identifies the SectionInfo object that this item refers to.	RefIdType	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSectionMarks</b>					
@TermInfoRefId	M		The Id (GUID) that identifies the marking period that the following marks are recorded in.	RefIdType	
@SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School that these Mark Values apply to.	RefIdType	
IsFinal	M	TIER	Indicates if the grades are “Final” from the perspective teacher or school. Does not mean that change events will not occur for this item.	xs: boolean	
MarkList	M	TIER	A list of marks received for this student in this section. For each Mark entry, at least one of the sub-elements must be specified.	List	
MarkList / Mark	MR	TIER	Outer wrapper for marks reported for this section, in this term.		
@MarkInfoRefId	M	TIER	The Id (GUID) that identifies a mark that was given for this student.	RefIdType	
MarkList / Mark / Percentage	C	TIER	The percent scores for this mark (0.00 – 100.00).	xs: decimal xs:minInclusive 0 xs:maxInclusive 100 xs:fractionDigits 2	
MarkList / Mark / Numeric	C	TIER	The raw numeric score for this mark.	xs: decimal xs:fractionDigits 2	
MarkList / Mark / Letter	C	TIER	The letter grade for this mark.	xs: NormalizedString	
MarkList / Mark / Narrative	C	TIER	The free form narrative for this mark.	xs: string	
SIF_ExtendedElements / SIF_ExtendedElement / [ @Name=“IA Profile Extensions”]	M			SIF_ExtendedElement	
SIF_ExtendedElement / SectionFinalGrade	M	C0143	The final grade for this section of a course.	xs: token	

## 4.2 – Student Information System Objects

The Student Information Systems Working Group provides maximum interoperability between PK-12 applications that need to exchange SIS information such as student, teacher, school, and enrollment using SIF by designing SIF data objects that are easy to understand, implement and extend, and by making the communication between applications as efficient as possible by ensuring that only the minimum required amount of data is exchanged in each transaction.

### 4.2.1 AttendanceCodeInfo

(SIF Implementation Specification 2.4 - 6.14.1)

This object provides information about a particular attendance code, allows applications to synchronize each other’s attendance code tables, or provides a dynamic list of attendance codes.

SIF\_Events are reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>AttendanceCodeInfo</b>					
@RefId	M		The Id (GUID) that uniquely identifies this AttendanceCodeInfo entity.	RefIdType	
@SchoolInfoRefId	M		The Id (GUID) that identifies the school where the attendance code is used.	RefIdType	
AttendanceCode	M	TIER	Locally defined code for attendance	xs:token	
AttendanceType	M	TIER	Type of attendance code	<u>values:</u> Absent Tardy EarlyDeparture Partial Present Other	Present will be assumed for any school day that an event is not sent for a student.
AttendanceStatus	M	TIER	Excused status of the attendance code.	<u>values:</u> Excused Unexcused Unknown NA	
Description	O	TIER	The text description of the attendance code.	xs:normalizedString	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>AttendanceCodeInfo</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
AbsenceValue	M	TIER	The amount of absence represented by AttendanceCode, up to three decimal places.	xs:decimal xs:fractionDigits - 3	
UsedForDailyAttendance	M	TIER	Is this attendance code used for daily attendance?	<u>values:</u> Yes No	
UsedForPeriodAttendance	M	TIER	Is this attendance code used for period attendance?	<u>values:</u> Yes No	

**4.2.2 CalendarSummary**

(SIF Implementation Specification 2.4 - 6.14.4)

This object provides a summary of a school's calendar information for a given school year. A school may have more than one calendar per school year (e.g., one calendar for Kindergarten students, one for special education students, one for seniors, or one for each calendar track), and each may have different days in session, start and end dates, minutes per day, instructional minutes, etc.

SIF\_Events are reported for this object.

Element/Attribute <b>CalendarSummary</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) of the calendar to which this information relates.	RefIdType	
@SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School for which this calendar information is being reported.	RefIdType	
SchoolYear	M		The school year for which this MarkInfo is applicable, expressed as the four-digit year in which the school year ends (e.g. 2017 for the 2016-17 school year).	SchoolYear	
LocalId	M	TIER	The locally assigned identifier for this calendar	LocalId	
Description	O	TIER	Textual description of the school calendar.	xs: string	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>CalendarSummary</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
DaysInSession	M	TIER	The total number of days that the school was or is anticipated to be in session during the school year. Also included are days on which the education institution facility is closed and the student body as a whole is engaged in planned activities off-campus under the guidance and direction of staff members.	xs: unsignedInt	
StartDate	O	TIER	The first calendar date, whether or not instruction was provided. If both CalendarSummary and CalendarDate objects are supported, StartDate must be the date of the first chronological instance of CalendarDate for the school's calendar.	xs: date	
EndDate	O	TIER	The last calendar date, whether or not instruction was provided. If both CalendarSummary and CalendarDate objects are supported, StartDate must be the date of the last chronological instance of CalendarDate for the school's calendar.	xs: date	
FirstInstructionDate	M	TIER	The first day of student instruction.	xs: date	
LastInstructionDate	M	TIER	The last day of student instruction (including days or times that students are present for purposes of testing and/or evaluation, but not including whole or part-days whose sole purpose is for distribution of report cards).	xs: date	
GraduationDate	O	TIER	Date of graduation ceremony.	GraduationDate	
InstructionalMinutes	M	TIER	The total number of instructional minutes for this calendar for the school year.	xs: unsignedInt	
MinutesPerDay	M	TIER	The number of minutes in the day in which the school is normally in session.	xs: unsignedInt	
GradeLevels	O	TIER	Collection of grade levels applicable to this school calendar.	GradeLevels	

**SIF PROFILE MAPPINGS**

**4.2.3 DisciplineIncident**

(SIF Implementation Specification 2.4 - 6.14.5)

This object provides information on incidents involving violence, weapons, drugs, and other safety and discipline issues.

SIF\_Events are reported for this object.

Usage:

For Iowa State Reporting, the DisciplineIncident object is used to represent an Incident, with one or more StudentRemoval occurrences conveyed by the complex Extended Element “IA Profile Extensions”. Complex Extended Element, StudentRemoval, allows all the data elements related to a single occurrence of a student removal to maintain their association to each other, and to be repeatable. In addition, these elements allow for Iowa’s state-specific codes. For Iowa TIER, a combination of regular and extended elements are required to describe an incident event and resulting action taken. Events are expected for this object for Iowa TIER.

(See XML Example of the DisciplineIncident complex Extended Element “IA Profile Extensions” following the object definition.)

Element/Attribute <b>DisciplineIncident</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this DisciplineIncident.	RefIdType	
@SchoolYear	M		School year in which the incident occurred, and for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2017" for the 2016-17 school year).	SchoolYear	
AgencyReporting	M		The Id (GUID) of the school or LEA reporting the incident, usually the school in which the incident occurred.	IdRefType	
@SIF_RefObject	M		The name of the SIF object to which the GUID relates.	<u>Values:</u> SchoolInfo	
IncidentNumber	M	E0005 TIER	The locally-defined unique identifier (within the school or school district) to identify this specific incident or occurrence.	xs:normalizedString	
IncidentDate	M	TIER	The date when the incident occurred.	xs:date	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>DisciplineIncident</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
IncidentTime	M	TIER	The time when the incident occurred.	xs:time	
IncidentTime /@Type	M		Identifies whether or not the incident occurred during school hours.	SAFETYTimeType	
IncidentLocation	M	TIER	The locally-defined identifier or description of the location where the incident occurred.	xs:string	See appendix A.4.2.3-1 for code values
IncidentLocation /@Type	M		Identifies where the incident occurred.	NCES1040IncidentLocationType	Vendor default: 9997  Codes don't match with Iowa codes.
IncidentLocationRefId	O	TIER	GUID of the SIF object that relates to the school or location where the incident occurred, if applicable	IDRefType	
IncidentLocationRefId /@SIF_RefObject	M	TIER	The name of the SIF object to which the GUID relates.	<u>Values:</u> SchoolInfo	
IncidentCost	O		If the incident resulted in a quantifiable monetary loss for any entity involved, identify and record the value of that loss. Cost may be reported by specific monetary amount or range.	xs: string	
IncidentReporter	M	TIER	Information regarding the individual who reported the incident.		
IncidentReporter /@Type	M	TIER	Identifies the type of individual who reported the incident.	NCES1043ReporterDescriptionType	Vendor default: 9997  Codes don't match with Iowa codes.
IncidentReporter / Name	M	TIER	The name of the individual reporting the incident.	Name	
IncidentReporter / SIF_RefId	O	TIER	GUID of the SIF object that relates to the person who reported the incident.	IDRefType	
IncidentReporter / SIF_RefId /@SIF_RefObject	M	TIER	The name of the SIF object to which the GUID relates.	<u>Values:</u> StudentPersonal StaffPersonal EmployeePersonal	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>DisciplineIncident</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
				StudentContact	
RelatedToList	O		List of categories to which the incident is related.	List	
RelatedToList / RelatedTo	OR		Identifies if the incident was related to a specific category.	NCES1048SecondaryIncidentBehaviorType	
WeaponTypeList	O		List of weapons involved in the incident. If the incident involves weapons, the element must have a value. Each weapon used in the incident is identified by a WeaponType entry. When multiple weapons of a single type are used, each weapon has a separate entry in this list. Weapons used by individual offenders are also reported in WeaponTypeList entries associated to the offender.	List	Iowa does not use this element.
WeaponTypeList / WeaponType	OR			NCES1045WeaponType	
IncidentCategory	M		The category or description for this incident.		
IncidentCategory / Code	M		Identifies the type of incident being reported.	NCES1049IncidentCodeType	Vendor default: 9000 Codes don't match with Iowa codes.
IncidentCategory / OtherCodeList	O		List of other codes or strings that crosswalk to or serve as translations of the Code element. If Code changes and OtherCode elements are supported, both Code and all associated OtherCode elements must be present.	OtherCodeList	
IncidentCategory / CodeComment	O	TIER	A short comment clarifying the discipline code (e.g. for Nonsexual Harassment could detail "Racial comment, pushing, name-calling" or "Cell phone violation. Second offense.")	xs: normalized string	
OffenderList	M	TIER	List of offenders.	List	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>DisciplineIncident</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
OffenderList / Offender	MR	TIER	Information regarding the offender(s)/perpetrator(s).		
Offender /@Type	M		Identifies the type of offender involved in the incident.	NCES1043ReporterDescriptionType	Vendor default: 9997  Codes don't match with Iowa codes.
OffenderList / Offender / Name	M	TIER	The name of the offender.	Name	
OffenderList / Offender / SIF_RefId	C	TIER	If the Offender Type attribute identifies the offender as a Student or Staff Member, then this element should contain the Id (GUID) of the student or staff to whom this information relates.	IdRefType	If the Offender Type attribute identifies the offender as a Student or Staff Member, then this element should contain the Id (GUID) of the student or staff to whom this information relates.
OffenderList/Offender / @SIF_RefObject	M	TIER	SIF Object to which the SIF_RefId relates.	Values: StudentPersonal StaffPersonal EmployeePersonal	
OffenderList / Offender / Injury	O		Identifies whether or not this specific offender was physically injured, and if so, identifies whether the injury was major or minor.	NCES1046IncidentInjuryType	Iowa does not use this element.
OffenderList / Offender / WeaponTypeList	C		List of weapons involved in the incident used by the offender. If the incident involves weapons, the element must have a value.  Each weapon used by the offender is identified by a WeaponType entry. When multiple weapons of a single type are used by the offender, each weapon has a separate entry in this list.  (Note: All weapons used in the incident are reported in WeaponTypeList entries	List	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>DisciplineIncident</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			for the incident, including those weapons related to this offender.)		
OffenderList / Offender / WeaponTypeList / WeaponType	OR		Identifies the type of weapon used by the offender during an incident.	NCES1045WeaponTypeType	Iowa does not use this element.
SIF_ExtendedElements / SIF_ExtendedElement [@Name="IA Profile Extensions"]	M			SIF_ExtendedElementLIST	
SIF_ExtendedElement / StudentRemovals	M		This extended element contains a list of StudentRemovals.	xs: token	
SIF_ExtendedElement / StudentRemovals / StudentRemoval	MR			xs: token	
SIF_ExtendedElement / StudentRemovals / StudentRemoval / StudentPersonalRefId	M	TIER		IdRefType	
SIF_ExtendedElement / StudentRemovals / StudentRemoval / ActionTaken	M	E0012 TIER	The action taken by school personnel because of the problem behavior.	xs: token	See appendix A.4.2.3-2 for code values
SIF_ExtendedElement / StudentRemovals / StudentRemoval / ProblemBehavior	M	E0022 TIER	The problem behavior that caused action to be taken.	xs: token	See appendix A.4.2.3-3 for code values
SIF_ExtendedElement / StudentRemovals / StudentRemoval / RemovalDuration	C	E0040 TIER	Length of the action taken in number of FTE school days.	xs:decimal xs:fractionDigits - 1	0.1 to xxx.9 days  Required if ActionTaken is: 1: in-school suspension 2: out of school suspension 3: expulsion 4: expulsion after suspension for the same incident 5: interim setting by school personnel

**SIF PROFILE MAPPINGS**

Element/Attribute <b>DisciplineIncident</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
					6: interim setting by impartial hearing officer
SIF_ExtendedElement / StudentRemovals / StudentRemoval / RemovalDate	C	E0050 TIER	The date the action taken began.	xs: date	Required if ActionTaken is: 1: in-school suspension 2: out of school suspension 3: expulsion 4: expulsion after suspension for the same incident 5: interim setting by school personnel 6: interim setting by impartial hearing officer
SIF_ExtendedElement / StudentRemovals / StudentRemoval / WeaponCode	M	E0060 TIER	The type of weapon present during or involved in the incident leading to the action taken.	xs: token	Vendor default: N  See appendix A.4.2.3-4 for code values
SIF_ExtendedElement / StudentRemovals / StudentRemoval / UnsafeSchoolChoiceOffense	M	E0072	Answers the question: Was the offense leading to the removal an Unsafe School Choice Option offense?	xs: token	Vendor default: 0  1: Yes 0: No
SIF_ExtendedElement / StudentRemovals / StudentRemoval / Motivation	M	TIER	Perception of why the student displayed the problem behavior	xs: token	See appendix A.4.2.3-5 for code values
SIF_ExtendedElement / StudentRemovals / StudentRemoval / SeclusionRestraint	M	TIER	Was the student restrained and/or put in seclusion after the problem behavior?	xs:token	Vendor default: 0  None: 0 Restraint: 1 Restraint & Seclusion: 2 Seclusion: 3
SIF_ExtendedElement / StudentRemovals / StudentRemoval / MajorMinor	M	TIER	Is the referral for a major or a minor incident?	xs:token	Major: 1 Minor: 2
SIF_ExtendedElement / StudentRemovals /	M	E0025	Was the expulsion due to a district policy of zero tolerance for this type of behavior?	xs: token	Vendor default: 99  Yes: 1

**SIF PROFILE MAPPINGS**

Element/Attribute <b>DisciplineIncident</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
StudentRemoval / ExpulsionZeroTolerance					No: 0 Not applicable: 99
SIF_ExtendedElement / StudentRemovals / StudentRemoval / InstructionalFormat	C	TIER	What activity or instructional format was occurring at the time of the problem behavior?	xs: token	Vendor default: 99  Required if IncidentLocation is: 5: classroom 7: computer lab 8: gym 10: library 18: vocational room  See appendix A.4.2.3-6 for code values

**DisciplineIncident – XML Example of Extended Element “StudentRemovals”**

```

<DisciplineIncident RefId="0A1234FCC1235C7475416D84DE29C09B">
  <SIF_ExtendedElements>
    <SIF_ExtendedElement Name="IA Profile Extensions">
      <StudentRemovals>
        <StudentRemoval>
          <StudentPersonalRefId>3A1234FCC1235C7475416D84DE29C09A</StudentPersonalRefId>
          <ActionTaken>S</ActionTaken>
          <ProblemBehavior>W</ProblemBehavior>
          <RemovalDuration>11.5</RemovalDuration>
          <RemovalDate>03/06/2016</RemovalDate>
          <WeaponCode>K</WeaponCode>
          <UnsafeSchoolChoiceOffense>1</UnsafeSchoolChoiceOffense>
          <Motivation>3</Motivation>
          <SeclusionRestraint>0</SeclusionRestraint>
          <MajorMinor>1</MajorMinor>
          <ExpulsionZeroTolerance>99</ExpulsionZeroTolerance>
          <InstructionalFormat>1</InstructionalFormat>
        </StudentRemoval>
      </StudentRemovals>
    </SIF_ExtendedElement>
  </SIF_ExtendedElements>
</DisciplineIncident>

```

**SIF PROFILE MAPPINGS**

```

    </StudentRemovals>
  </SIF_ExtendedElement>
</SIF_ExtendedElements>
</DisciplineIncident>

```

**4.2.4 LEAInfo**

(SIF Implementation Specification 2.4 - 6.14.6)

This object contains information about a school district or other Local Educational Agency (LEA).

SIF\_Events are reported for this object.

Element/Attribute <b>LEAInfo</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this LEA.	RefIdType	
LocalId	M	TIER	The locally-assigned identifier for this LEA.	LocalId	
StateProvinceId	M	H0070 D010A TIER		StateProvinceId	Submitting Entity
LEAName	M	TIER	The LEA Name	LEAName	
PhoneNumberList	O		The LEA's phone number(s)	ActionList (PhoneNumber/ @Type)	
PhoneNumberList / PhoneNumber	MR				[@Type="0096"] (main)
PhoneNumberList / PhoneNumber / Number	M	TIER	Phone number. Free-form, but typical U.S. formats include: <ul style="list-style-type: none"> <li>• (###) ###-####</li> <li>• ###-####</li> </ul>	xs:normalizedString	
AddressList	O		The LEA's address(es)	ActionList (Address/@Type)	
AddressList / Address	MR				[@Type="0765"] (physical location)
/ AddressList / Address / Street / Line1	M	TIER	LEA Street Address	xs:normalizedString	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>LEAInfo</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
/ AddressList / Address / Street / Line2	O	TIER	LEA Street Address line 2	xs:normalizedString	
AddressList / Address / City	M	TIER	LEA City	xs:normalizedString	
AddressList / Address / StateProvince	M	TIER	LEA State	StateProvince	
/ AddressList / Address / Country	M		LEA Country	Country	Vendor default: US
AddressList / Address / PostalCode	M	TIER	LEA Zip Code	xs:normalizedString	
SIF_ExtendedElements / SIF_ExtendedElement [ @Name="IA Profile Extensions" ]	M			SIF_ExtendedElement LIST	
SIF_ExtendedElement / SISVersion	M	H0090 TIER	The version of the student information system that the user has installed.	xs:decimal	

**4.2.5 SchoolCourseInfo**

(SIF Implementation Specification 2.4 - 6.14.9)

This object is for course information.

SIF\_Events are reported for this object.

Usage:

The Agent is to provide the value for the SRI element Institution Providing Section (C0050) via Extended Element "SectionProvider". The value in SectionInfo for "SectionProvider" will be used as an override where the value in SectionInfo differs from that in SchoolCourseInfo.

Element/Attribute <b>SchoolCourseInfo</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this school course.	RefIdType	
@SchoolInfoRefId	M		The Id (GUID) that identifies the school where the course is offered.	IdRefType	
@SchoolYear	M	TIER	School year for which the information is applicable, expressed as the four-digit	SchoolYear	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>SchoolCourseInfo</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			year in which the school year ends (e.g. 2017 for the 2016-17 school year).		
CourseCode	M	C0020 TIER	School-defined local code for the course.	CourseCode	
StateCourseCode	M	C0035	State-defined standard course code used to report information about courses.		Vendor default: 0  This element used for Iowa element C0035, named "SCED Course Code" in the SRI Data Dictionary. Note that the codeset for the Iowa "SCED Course Code" are state-specific and differ from the codes in the SIF Common element.
SubjectAreaList	M		Subject matter areas.	SubjectAreaList	
SubjectArea	MR		Subject matter.	SubjectArea	
SubjectArea / Code	M			SCEDSecondaryCoursesType/SCEDNonSecondaryCoursesType	
SubjectArea / OtherCodeList	M			OtherCodeList	
OtherCodeList / OtherCode	M	C0040		xs: token	Vendor default: 0  @Codeset="StateProvince" For IA state reporting, the SubjectAreaList will contain a single non-repeatable SubjectArea/OtherCode. This element is used for IA Accreditation Program Area. Required for all scheduled courses.  See appendix A.4.2.5-1 for code values

**SIF PROFILE MAPPINGS**

Element/Attribute <b>SchoolCourseInfo</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
CourseTitle	M	C0010 TIER	Title of the course.	xs:normalizedString	
SIF_ExtendedElements / SIF_ExtendedElement [ @Name="IA Profile Extensions" ]	M			SIF_ExtendedElement LIST	
SIF_ExtendedElement / CourseOrigination	M	C0120	Indicates the origination of the course.	xs: token	Vendor default: 1  Course (section) origination is reported at the section level. If the vendor includes both a course origination and a section origination, the section origination defaults to the course origination upon creation.  See appendix A.4.2.5-2 for code values
SIF_ExtendedElement / CommonCourseNumber	O	C0025	The Common Course Number for an Iowa community college credit course.	xs: token	Three alpha followed by three numeric characters.
SIF_ExtendedElement / SectionProvider	M	C0050	Institution providing the section of the course, e.g. Iowa school district, Iowa accredited nonpublic school, or an out-of-state school, a postsecondary institution.	xs: normalizedString	
SIF_ExtendedElement / HomeroomIndicator	O		Homeroom course flag.	xs: token	Optional element to be used to associate a StaffPersonal with Homeroom.
SIF_ExtendedElement / CreditRecovery	M	C0150	The identification of high school course used as a credit recovery course.	xs: token	Vendor default: 0  1: Yes 0: No

### 4.2.6 SchoolInfo

(SIF Implementation Specification 2.4 - 6.14.10)

This object contains information about the school.

SIF\_Events are reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>SchoolInfo</b>					
@RefId	M		The Id (GUID) that uniquely identifies this school.	RefIdType	
LocalId	M	TIER	The locally-assigned identifier for this school	LocalId	
@LEAInfoRefId	M		The Id (GUID) that references the school district of which this school is a member.	IdRefType	
StateProvinceId	M	K0030 TIER	The state-assigned identifier for this school.	StateProvinceId	
SchoolName	M	TIER	Name of school.	xs: normalized string	
PhoneNumberList	O		The school's phone number(s)	ActionList (PhoneNumber/@Type)	
PhoneNumberList / PhoneNumber	MR				[@Type="0096"] (main)
PhoneNumberList / PhoneNumber / Number	M	TIER	Phone number. Free-form, but typical U.S. formats include: <ul style="list-style-type: none"> <li>• (###) ###-####</li> <li>• ###-####</li> </ul>	xs:normalizedString	
AddressList	O		The school's address(es)	ActionList (Address/@Type)	
AddressList / Address	MR				[@Type="0765"] (physical location)
/ AddressList / Address / Street / Line1	M	TIER	School Street Address	xs:normalizedString	
/ AddressList / Address / Street / Line2	O	TIER	School Street Address line 2	xs:normalizedString	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>SchoolInfo</b>					
AddressList / Address / City	M	TIER	School City	xs:normalizedString	
/ AddressList / Address / StateProvince	M	TIER	School State	StateProvince	
/ AddressList / Address / Country	M		School Country	Country	Vendor default: US
/ AddressList / Address / PostalCode	M	TIER	School Zip Code	xs:normalizedString	
GradeLevels	M	TIER	Grade levels offered in the school	List	

**4.2.7 SectionInfo**

(SIF specification 2.4 - 6.14.11)

This object provides information about the section—the specific time period a session of the course meets.

SIF\_Events are reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>SectionInfo</b>					
@RefId	M		The Id (GUID) that uniquely identifies this section entity.	RefIdType	
@SchoolCourseInfoRefId	M		The Id (GUID) that identifies the course being taught in this section.	RefIdType	
@SchoolYear	M	TIER	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2017 for the 2016-17 school year).	SchoolYear	
LocalId	M	C0022 TIER	The locally-assigned identifier for this course section.	LocalId	
ScheduleInfoList	M			List	
ScheduleInfoList/ScheduleInfo	MR		The schedule-related information for a section repeating for each term in which the section is scheduled. The TermInfoRefId attribute value should repeat as necessary to show the		

**SIF PROFILE MAPPINGS**

Element/Attribute SectionInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			appropriate relationship between meeting times, teachers and rooms.		
@TermInfoRefId	M	TIER	The Id (GUID) of the term to which this schedule information relates.	IdRefType	
ScheduleInfoList / ScheduleInfo / TeacherList	M			List	
ScheduleInfoList / ScheduleInfo / TeacherList / StaffPersonalRefId	MR	TIER C0055	The Id (GUID) of the teacher.	IdRefType	StaffPersonalRefId will be used to provide the section teacher folder number (SRI element C0055)
MediumOfInstruction	O		Description of the location in which the section is taught.		
MediumOfInstruction / Code	M		Code representing the location of instruction.	NCES0209MediumOfInstructionType	
MediumOfInstruction / OtherCodeList	M			OtherCodeList	
OtherCodeList / OtherCode	M	C0045			Vendor default: 1  1: Face to face 7: Face to face on community college site 2: Internet/online 3: ICN 4: IPTV 5: Satellite 6: Other
SectionCode	M	TIER	Unique identifier of the section for the school year across all courses	xs:normalizedString	
SIF_ExtendedElements / SIF_ExtendedElement [@Name= "IA Profile Extensions"]	M			SIF_ExtendedElement LIST	
SIF_ExtendedElement / SectionProvider	M	C0050	Institution providing the section of the course, e.g. Iowa school district, Iowa accredited nonpublic school, an AEA, or an	xs:normalizedString	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>SectionInfo</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			out-of-state school, a postsecondary institution.		
SIF_ExtendedElement / SectionSupplementaryFTE	M	C0130	The course section FTE for supplementary weighting. Numeric value less than 1.000 expressed to 3 decimal places.	xs:decimal xs:fractionDigits - 3	Vendor default: 0.000
SIF_ExtendedElement / CourseOrigination	C	C0120	Indicates the origination of the course/ section	xs: token	Provide if different from CourseOrigination on SchoolCourseInfo.  See appendix A.4.2.5-2 for code values

**4.2.8 StaffAssignment**

(SIF Implementation Specification 2.4 - 6.14.12)

This object defines information related to a staff member's assignment(s); commonly, this will be a school assignment and a Staff Type for Iowa TIER reporting. Staff members can have multiple types (JobFunction/Code) and multiple school assignments.

SIF\_Events are reported for this object.

Element/Attribute <b>StaffAssignment</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this staff member's assignment.	RefIdType	
@SchoolInfoRefId	M	A020A TIER	The Id (GUID) that identifies the school where the staff member is assigned.	IdRefType	
@SchoolYear	M	TIER	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2017 for the 2016-17 school year).	SchoolYear	
@StaffPersonalRefId	M		Id (GUID) of this staff member, as represented in the StaffPersonal object.		
JobStartDate	O	TIER	The date from which the staff assignment is valid (inclusive).	xs:date	

**S I F P R O F I L E M A P P I N G S**

Element/Attribute <b>StaffAssignment</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
JobEndDate	O	TIER	The date through which the staff assignment is valid (inclusive).	xs:date	
JobFunction	M	TIER	The purpose of the activities as related to students		
JobFunction / Code	M	TIER	Code representing the type of job function.	NCES0568FunctionType	Vendor default: 9999  Used for Iowa TIER security groups.  See Appendix A.4.2.8-1 for code values
JobFunction / OtherCodeList	M			OtherCodeList	
OtherCodeList / OtherCode	M	P610A			[@Codeset="StateProvince"]  See Appendix A.4.2.8-2 for code values
TeachingAssignment	M		The teacher field taught by the individual		
TeachingAssignment / Code	M		Code representing the type of teaching assignment.	NCES0436TeachingAssignmentType <u>additional values:</u> NA	
TeachingAssignment / OtherCodeList	M			OtherCodeList	
OtherCodeList / OtherCode	M	A410A			[@Codeset="StateProvince"]  See Appendix A.4.2.8-3 for code values
GradeLevels	MR			List	
GradeLevels / GradeLevel	M			GradeLevel	Per staff Assignment, Iowa uses a flag on each grade level.
GradeLevel / Code	M	A425L A426L A427L			

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StaffAssignment</b>		A428L A429L A430L A431L A432L A433L A434L A435L A436L A437L A438L			
SIF_ExtendedElements / SIF_ExtendedElement [ @Name= "IA Profile Extensions" ]	O			SIF_ExtendedElement LIST	
SIF_ExtendedElement / ProgramCode	O	P600A	A program or service; examples: Statewide Voluntary Preschool / ECSE program or Title 1 schoolwide program, or At Risk / Dropout Prevention program.	xs:token	Add appendix reference See Appendix A.4.2.8-4 for code values

**4.2.9 StaffPersonal**

(SIF Implementation Specification 2.4 - 6.14.13)

This object contains all the personal information relating to a staff member, who might be a teacher or other employee of the school or district.

SIF\_Events are reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StaffPersonal</b>					
@RefId	M		The Id (GUID) that uniquely identifies this staff member.	RefIdType	
LocalId	M	C001A TIER	The locally-assigned identifier for this staff member.	LocalId	
StateProvinceId	C	D0055 C0055	The state-assigned identifier for this staff member	StateProvinceId	Iowa State Folder Number

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StaffPersonal</b>		TIER			Used for both the SRI element D0055, the Homeroom/HSAP teacher folder number, and the SRI element C0055, the section teacher folder number, used in course (CR) records.  Required when StaffAssignment / JobFunctionCode = 1000.
Name	M		Name of the staff member. Note: Type value of 04 must be used here.	NameOfRecordType	
Name / LastName	M	D050A TIER	The last name.	LastName	[@Type="04"]
Name / FirstName	M	D060A TIER	The first name	FirstName	[@Type="04"]
Demographics/Gender	O	TIER	Person's gender	Gender	
EmployeePersonalRefId	O		Allows for a linkage to the HR/Fin EmployeePersonal object.	IdRefType	
EmailList	M		A list of email addresses associated with an individual	ActionList (Email/@Type)	
EmailList / Email	MR	TIER	An email address	Xs:normalizedString	[@Type="Primary"]

**4.2.10 StudentAttendanceSummary**

(SIF Implementation Specification 2.4 - 6.14.16)

This object provides a summary of a student's daily attendance and membership information for a given school during the time period between the StartDate and EndDate, inclusive. As such, there may be multiple instances of this object for a student in a school over the course of a school year or reporting period.

SIF\_Events are reported for this object.

**SIF PROFILE MAPPINGS**

Element/Attribute <b>StudentAttendanceSummary</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@StudentPersonalRefId	M		The Id (GUID) of the student for whom this attendance information is being reported.	RefIdType	
@SchoolInfoRefId	M		The Id (GUID) of the school for which this attendance information is being reported.	RefIdType	
@SchoolYear	M			SchoolYear	
StartDate	M	TIER	The starting date on which the information in this object instance is applicable.	xs:date	
StartDay	M	TIER	Number of the first school day to which this object instance applies.		
EndDate	M	TIER	The ending date on which the information in this object instance is applicable.	xs:date	
EndDay	M	TIER	Number of the last school day to which this object instance applies.		
Resident	M	TIER	An indication as to whether or not the student's legal residence was within the boundaries of the school during the time between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	<u>values:</u> Yes No Unknown	
DaysAttended	M	D0510 TIER	The number of days the student attended school when school was in session between the StartDate and EndDate, inclusive.  Note: No SIF_Query SIF_Condition support is required for this element.	xs:decimal xs:fractionDigits - 1	
ExcusedAbsences	M	TIER	The number of days the student was absent from school with a valid excuse when school was in session between the StartDate and EndDate, inclusive.	xs:decimal	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentAttendanceSummary</b>			Note: No SIF_Query SIF_Condition support is required for this element.		
UnexcusedAbsences	M	D0515 TIER	The number of days the student was absent from school without a valid excuse when school was in session between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	xs:decimal xs:fractionDigits - 0	This element is not cumulative, e.g. two half days of unexcused absences does not equate to 1 day of unexcused absence.
DaysInMembership	M	D0500 TIER	The number of days the student was present plus the number of days the student was absent when school was in session during the period between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	xs:decimal xs:fractionDigits - 0	
StudentSchoolEnrollmentRefId	M	TIER	RefId (GUID) of the StudentSchoolEnrollment object instance that corresponds to this object instance.	IdRefType	

**4.2.11 StudentContact**

(SIF Implementation Specification 2.4 - 6.14.17)

This object contains information regarding a contact person for a student. Note: At least one of the child elements of ContactFlags must have a Yes value. Do not publish the StudentContact instance if one of the child elements does not have a Yes value.

SIF\_Events are reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentContact</b>					
@RefId	M		The Id (GUID) that uniquely identifies this contact.	RefIdType	
@StudentPersonalRefId	M		The Id (GUID) of the student whose contact this is.	RefIdType	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentContact</b>					
LocalId	O	TIER	The locally-assigned identifier for this contact. Note: LocalId may be used as a unique person identifier rather than a unique contact identifier. In this case, there may be more than one StudentContact instance with the same LocalId.	LocalId	
OtherIdList	O	TIER	Lists all “other” identifiers associated with the contact.	List	
OtherIdList / OtherId	MR	TIER	Lists an “other” identifier associated with the contact.	xs: normalizedString	
@Type	M	TIER	Code that defines the type of this other Id.	NCES0147IdentificationSystemType  <u>Subset:</u> 0328 0164 0339 9999 0222 0154 0399 0004 0113 5013	
Name	M	TIER	The name of the contact. Note: Type attribute value of 04 must be used here	NameOfRecordType	
OtherNames	O	TIER	Previous, alternate or other names or aliases associated with the contact.	OtherNames	
Demographics	O	TIER	Demographic information about the contact.	Demographics	
AddressList	O	TIER	The contact’s address(es).	AddressList	
PhoneNumberList	O	TIER	The contact’s phone number(s).	PhoneNumberList	
EmailList	O	TIER	The contact’s email address(es).	EmailList	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>StudentContact</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
Relationship	O	TIER	Defines the relationship of the contact to the student.	Relationship	
EmployerType	O		Code that defines the employer type.	NCES0614EmployerType	Not used by Iowa. Please do not send.
EducationalLevel	O		The highest level of education completed by the contact person.	EducationalLevel	Not used by Iowa. Please do not send.
ContactFlags	M	TIER	Contains Yes/No characteristics of the contact person's role. Provide a Yes value for all that apply. At least one of the child elements for ContactFlags must have a Yes value. Do not publish the StudentContact instance if one or the child elements does not have a Yes value.		
ContactFlags / ParentLegalGuardian	C	TIER	Does the individual have parental or legal guardianship responsibility for the student?	<u>values:</u> Yes No Unknown	
ContactFlags / PickupRights	C	TIER	This element tells whether or not the contact has pickup rights.	<u>values:</u> Yes No Unknown	
ContactFlags / LivesWith	C	TIER	Does the student live with this contact?	<u>values:</u> Yes No Unknown	
ContactFlags / AccessToRecords	C	TIER	Does this contact have access to the student's records?	<u>values:</u> Yes No Unknown	
ContactFlags / EmergencyContact	C	TIER	Should this contact be notified in case of emergency?	<u>values:</u> Yes No Unknown	
ContactFlags / HasCustody	C	TIER	Does this contact have or share custody of the student?	<u>values:</u> Yes No	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentContact</b>				Unknown	
ContactFlags / DisciplinaryContact	C	TIER	Is this person to be contacted in case of disciplinary action?	<u>values:</u> Yes No Unknown	
ContactFlags / PrimaryCareProvider	C	TIER	Does this person provide daily living or personal assistance to the student?	<u>values:</u> Yes No Unknown	
ContactSequence	O	TIER	Number indicating the order in which the person should be contacted.	xs: unsignedInt	

**4.2.12 StudentDailyAttendance**

(SIF Implementation Specification 2.4 - 6.14.20)

This object provides daily attendance information for a particular student in a particular school on a particular data.

SIF\_Events are reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentDailyAttendance</b>					
@StudentPersonalRefId	M		The Id (GUID) of the student for whom this attendance information is being reported.	RefIdType	
@SchoolInfoRefId	M		The Id (GUID) of the school for which this attendance information is being reported.	RefIdType	
@Date	M		The calendar date to which this attendance information relates.	xs:date	
@SchoolYear	M		School year for which this enrollment is applicable, expressed as the four-digit year in which the school year ends (e.g. 2017 for the 2016-17 school year).	SchoolYear	
AttendanceCodeRefId	M		The Id (GUID) of the locally-defined daily attendance code information.	RefIdType	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentDailyAttendance</b>					
TimeIn	O	TIER	The time the student entered or returned to school.	xs:time	
TimeOut	O	TIER	The time the student left school.	xs:time	
AttendanceNote	O	TIER	Note related to this particular attendance.	xs:normalizedString	

**4.2.13 StudentPersonal**

(SIF Implementation Specification 2.4 - 6.14.21)

This object contains information about a student. There will be one object per student.

SIF\_Events are reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentPersonal</b>					
@RefId	M		The Id (GUID) that uniquely identifies this student.	RefIdType	
LocalId	M	D0010 TIER	The locally-assigned identifier for this student.	LocalId	
StateProvinceId	C	K0020 TIER	The state-assigned identifier for this student.	StateProvinceId	Mandatory for SRI and TIER.
OtherIdList	O		Lists all "other" identifiers associated with the student.	List	
OtherIdList / OtherId	MR	D0160	Lists an "other" identifier associated with the student.	xs:normalizedString	[@Type="0004"] Social Security Number is used in Uniq-ID
Name	M		Name of the student. Note: Type value of 04 must be used here.	NameOfRecordType	
Name / LastName	M	D0080 TIER	The last name of the student.	LastName	[@Type="04"]
Name / MiddleName	O	D0070 TIER	The middle name of the student.	MiddleName	[@Type="04"]
Name / FirstName	M	D0060 TIER	The first name of the student.	FirstName	[@Type="04"]

**SIF PROFILE MAPPINGS**

Element/Attribute <b>StudentPersonal</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
Name / Suffix	O	D0090	Generation of suffix like II, Jr., etc.	xs: normalizedString	[@Type="04"]
Demographics	M		Demographics information about the student, contact, staff member, etc. This element occurs within objects such as StudentPersonal, StudentContact, etc.	Demographics	
Demographics / RaceList	M			List	
Race	MR				
Race / Code	M	D0043 D0044 D0045 D0046 D0047	The general racial category which reflects the individual's recognition of his or her community or with which the individual most identifies. In a given SIF implementation Agents must have alignment on the use of the NCES and deprecated SPEEDE code sets. Agents are not required to translate between the code sets.	<u>Union of:</u> NCES0849RaceType Additional values: A Asian (deprecated) H Hispanic (deprecated)	1: Yes 0: No
Race / OtherCodeList	M			OtherCodeList	
OtherCode	M	D0035 TIER			[@Codeset="StateProvince"] Required for Uniq-ID ("Race/Ethnicity_StateID").  See appendix A.4.2.13-1 for code values
Demographics / HispanicLatino	M	D0042	An indication that the individual traces his or her origin or descent to Mexico, Puerto Rico, Cuba, Central or South America, or other Spanish cultures, regardless of race.	HispanicLatino <u>values:</u> Yes No	
Demographics / Gender	M	D0050 TIER	The person's gender.	Gender	
Demographics / BirthDate	M	D0020 TIER	The person's date of birth.	BirthDate	
Demographics / CountryOfBirth	M	D0415	The person's country of birth	Country	Vendor default: US

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentPersonal</b>					
Demographics / LanguageList	M		List of languages an individual uses to communicate.	LanguageList	
Language	MR				
Language / Code	M		The code representing the specific language that an individual uses to communicate.	NISOZ3953LanguageCodesType	IA uses the ISO 639.2 language codes, SIF uses the NISO Z39.53 codes
Language / OtherCodeList	O			OtherCodeList	
OtherCodeList / OtherCode	M	D0410 TIER		xs:token	Vendor default: eng  [@Codeset="StateProvince"] See Student Reporting in Iowa Data Dictionary for Home Language  On the Iowa Student Reporting in Iowa website, see Addendum C: Language Codes for 2016-17. <a href="https://www.educateiowa.gov/data-reporting/student-reporting-iowa-formerly-easier">https://www.educateiowa.gov/data-reporting/student-reporting-iowa-formerly-easier</a>
ProjectedGraduationYear	O	TIER	Currently projected graduation year	ProjectedGraduationYear (CCYY)	
Immigrant	M	D0330 TIER	Does the student meet the State criteria for classification as being an immigrant?		Vendor default: 0  1: Yes 0: No
FirstUSEnrollment	O	D0490	The date on which the student was first enrolled in the US school system.	xs:date	
SIF_ExtendedElements / SIF_ExtendedElement [Name= "IA Profile Extensions"]	M			SIF_ExtendedElement LIST	
SIF_ExtendedElement / ExcludeFromStateReporting	M	TIER	'Yes' if SIS indicates to exclude record from state reporting.	Values: Yes, No	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentPersonal</b>					
SIF_ExtendedElement / HomeLanguageSurveyDate	M	D0405	Date the home language survey was completed by the student.	xs: date	
SIF_ExtendedElement / HomeLanguageIdentifier	M	D0406	Was a language other than English identified on the home language survey?	xs: token	Vendor default: 99  Yes: 1 No: 0 Not applicable: 99

**4.2.14 StudentSchoolEnrollment**

(SIF Implementation Specification 2.4 - 6.14.23)

This object defines information related to a student's enrollment. StudentSchoolEnrollment instances must not span multiple school years.

SIF\_Events are reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSchoolEnrollment</b>					
@RefId	M		The Id (GUID) that uniquely identifies this enrollment.	RefIdType	
@StudentPersonalRefId	M		The Id (GUID) of the student to whom this information is linked.	IdRefType	
@SchoolInfoRefId	M		The Id (GUID) of the school to which this enrollment applies.	IdRefType	
@MembershipType	M	TIER	The type of this enrollment as it relates to the school identified in SchoolInfoRefId.	<u>values:</u> <b>Home</b> = school responsible for reporting the student's membership/child accounting information <b>Concurrent</b> = school not the primary reporting unit for the	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSchoolEnrollment</b>				student's membership/child accounting information <b>Summer</b> = summer school enrollment, not part of the regular school year	
@TimeFrame	M	TIER	The timeframe of the enrollment based on the SIF_Date in the SIF_Header of the message. For events, it is determined as of the date the event is generated. For requests and responses, it is calculated based on the date of the request.	Values: <b>Current</b> = Event/request date falls between EntryDate and ExitDate (inclusive) <b>Historical</b> = Event/request date falls after ExitDate <b>Future</b> = Event/request date falls before EntryDate	
@SchoolYear	M	TIER	School year for which this enrollment is applicable, expressed as the four-digit year in which the school year ends (e.g. 2017 for the 2016-17 school year). StudentSchoolEnrollment instances must not span multiple school years.	SchoolYear	
EntryDate	M	D0185 TIER	The date from when this enrollment is valid.	xs:date	Also used to calculate Enrollment Record Sequence (E0130) for SRI (Iowa DE calculation)
EntryType	M				
EntryType / Code	M		Code indicating the type of entry for this enrollment	NCES0619EntryTypeType	Vendor default: 9999
EntryType / OtherCodeList	M			OtherCodeList	
OtherCodeList / OtherCode	M	D0180 TIER		xs:token	[@Codeset="StateProvince"]

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSchoolEnrollment</b>					See Appendix A.4.2.14-1 for code values
GradeLevel	O		Grade or academic level of student for this enrollment.	GradeLevel	
GradeLevel / Code	M	D0030 TIER	Code representing the grade level.		
Advisor	O		Staff member assigned as an advisor for this enrollment.	IdRefType	
@SIF_RefObject	M		The name of the object referenced.	Values: StaffPersonal	Reference to StaffPersonal object to determine D0055
ExitDate	C	D0220 TIER	The last school calendar day of this enrollment. If the student has exited the school or the enrollment has a RecordClosureReason, ExitDate must have a value.	xs:date	Also used to calculate Enrollment Record Sequence (E0130) for SRI (Iowa DE calculation)
ExitType	C				Required if ExitDate is populated.
ExitType / Code	M		Code indicating the type of exit for this enrollment.	NCES0644ExitWithdrawalTypeType	Vendor default: 9999
OtherCodeList	M			OtherCodeList	
OtherCodeList / OtherCode	M	D0190 TIER		xs:token	[@Codeset="StateProvince"]  See Appendix A.4.2.14-2 for code values
FTE	M	D0495 TIER	Full-time equivalent numeric value of the student's course load during this enrollment, expressed in decimal form, where 1.00 represents a full-time enrollment.	xs:decimal xs:minInclusive - 0 xs:maxInclusive - 1 xs:fractionDigits - 2	Vendor default: 1.00
SIF_ExtendedElements / SIF_ExtendedElement [ @Name= "IA Profile Extensions" ]	M			SIF_ExtendedElement LIST	
SIF_ExtendedElement / AttendingDistrict	M	D0203 TIER	State assigned ID of the district where the student is counted for attendance purposes	xs:token	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSchoolEnrollment</b> SIF_ExtendedElement / CPIDualEnrollment	M	D0244 TIER	Type of activities the parent of a home school student is requesting.	xs:token	Vendor default: 99  1: Academic activities 2: Extra-curricular activities 3: Both academic and extra-curricular activities 4: Testing only 5: Special education support services only 99: Not applicable
SIF_ExtendedElement / ResDistrict	M	D0200 TIER	State assigned code of the district where the parents, custodial parent, or guardian resides	xs:token	
SIF_ExtendedElement / ResCounty	M	D0215 TIER	State assigned county in which the student resides; 2-digit county code	xs:token	
SIF_ExtendedElement / AccountableDistrict	O	D0207 TIER	State assigned code of the public district where the student has his/her primary enrollment	xs:token	
SIF_ExtendedElement / FosterCare	M	D0230 TIER	Is the student in foster care?	xs:token	Vendor default: 0  1: Yes, and would not live in the current resident district if not in foster care 2: Yes, and would live in the current resident district if not in foster care 0: No
SIF_ExtendedElement / SvcProviderOrFacility	O	D0217 TIER	The Department of Education code for the facility in which the student resides or the location where the student receives the majority of his / her educational services; 2, 6 or 8 digit code for the Service Provider or Residential Facility.	xs:token	Alpha 2-digit code for a state other than Iowa, 6-digit IPEDS code for community college, assigned 8-digit code for other facilities.
SIF_ExtendedElement / SvcOrFacilityType	M	D0218 TIER	Identifies the type of service students are receiving from selected providers.	xs:token	Vendor default: 99

**SIF PROFILE MAPPINGS**

Element/Attribute <b>StudentSchoolEnrollment</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SIF_ExtendedElement / ReceivingEduServices	M	D0228 TIER	Is the exited expelled or ill student receiving educational services from the district?	xs:token	Vendor default: 99  Yes: 1 No: 0 Not applicable: 99
SIF_ExtendedElement / DestinationCode	M	D0224 TIER	The type of destination location.	xs:token	Vendor default: 99  See appendix A.4.2.14-3 for code values
SIF_ExtendedElement / DestinationLocation	O	D0225 TIER	State assigned code for the specific destination; 2-char or 8-digit code.	xs:token	Use 2-char alpha code for non-Iowa states
SIF_ExtendedElement / EnrollmentRecordSequenceNum	M	E0130	Sequential numeric order of the enrollment record within the student's enrollment history	xs:decimal	
SIF_ExtendedElement / NonpublicSchoolNumber	O	K0040 TIER	State assigned code of the nonpublic school where the student has his / her primary enrollment; eight numeric characters	xs:token	
SIF_ExtendedElement / GradStatus	M	D0530 TIER	Has the student graduated at the time the record is being sent?	xs:token	Vendor default: 0  Yes: 1 No: 0
SIF_ExtendedElement / PreschoolAttendance	M	D0780	Did the Kindergarten student attend preschool within the 12 months prior to kindergarten entry?	xs:token	Vendor default: 99  2: Yes, attended a district sponsored preschool 3: Yes, attended a non-district sponsored preschool 0: No 99: Not applicable
SIF_ExtendedElement / Title1Reading	M	D0250 TIER	Did the student participate in a Title I Targeted Assistance Reading program at anytime during the year?	xs:token	Vendor default: 0  Yes: 1 No: 0

**SIF PROFILE MAPPINGS**

Element/Attribute <b>StudentSchoolEnrollment</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SIF_ExtendedElement / Title1Math	M	D0252	Did the student participate in a Title I Targeted Assistance Mathematics program at anytime during the year?	xs:token	Vendor default: 0  Yes: 1 No: 0
SIF_ExtendedElement / Title1SchoolChoice	M	D0770	The decision when a student applied for Title I School Choice during the current school year.	xs:token	Vendor default: 99  1: Applied and changed schools 2: Applied and declined to change schools 3: Applied and was denied 99: Not applicable
SIF_ExtendedElement / SchoolOfferingTitle1SchoolChoice	C	D0765	The school number of the school required to offer Title I School Choice; four numeric characters.	xs:token	If SIF_ExtendedElement / Title1SchoolChoice = 1 then provide the value
SIF_ExtendedElement / Title1SupplSvcs	M	D0305	The decision when a student applied for supplemental services	xs:token	Vendor default: 99  1: Applied and received services 2: Applied and declined services 3: Applied and was denied services 99: Not applicable
SIF_ExtendedElement / FreeLunch	M	D0270 TIER	Is the student approved for free lunch at the time of submission?	xs:token	Vendor default: 0  1: Yes 0: No
SIF_ExtendedElement / ReducedLunch	M	D0280 TIER	Is the student approved for reduced lunch at the time of submission?	xs:token	Vendor default: 0  1: Yes 0: No
SIF_ExtendedElement / CEIS	M	D0760 TIER	Did the student receive Coordinated Early Intervening Services (CEIS) funded by IDEA Part B during the current year?	xs:token	Vendor default: 0  1: Yes, and funded by the LEA

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSchoolEnrollment</b>					2: Yes, and funded by the AEA 3: Yes, and funded by both the LEA and AEA 0: No
SIF_ExtendedElement / StudentOptionTransfer	M	D0315	What is the status of the transfer under the Unsafe School Individual Student Option?	xs:token	Vendor default: 99  1: Transfer offered 2: Transfer offered and accepted 3: Transfer offered, accepted, and completed 4: Not feasible to offer 99: Not applicable
SIF_ExtendedElement / AtRisk	M	D0345 TIER	Was the student considered to be at risk at any time during the year?	xs:token	Vendor default: 0  1: Yes, and is identified as a potential/returning dropout 2: Yes, and is identified as at risk 0: No
SIF_ExtendedElement / HomelessType	M	D0340 TIER	If a student was homeless at some time during the year, what was the type of primary nighttime residence during the period of time the student was homeless?	xs:token	Vendor default: 99  1: Sheltered/transitionally housed 2: Doubled-up 3: Unsheltered 6: Hotel/motel 99: Not applicable
SIF_ExtendedElement / UnaccompaniedYouth	M	D0341	Is the homeless student considered to be an unaccompanied youth?	xs:token	Vendor default: 99  1: Yes 0: No 99: Not applicable

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSchoolEnrollment</b> SIF_ExtendedElement / HomelessMcKinneyVentoServed	M	D0800	Was the homeless student served through McKinney-Vento funds at any time during the school year?	xs:token	Vendor default: 99  1: Yes 0: No 99: Not applicable
SIF_ExtendedElement / ELLStatus	M	D0420 TIER	Current ELL status of the student	xs:token	Vendor default: 99  1: Student is in an English language instructional program 2: Identified as ELL but parent waived LIEP services 4: Exited 5: Tested and not identified as ELL 6: PK potential English language learners 99: Not applicable
SIF_ExtendedElement / ELLPlacementProficiency	M	D0450	The English proficiency level determined by the LIEP placement instrument	xs:token	Vendor default: 99  1: Not Proficient 3: Proficient 99: Not Applicable
SIF_ExtendedElement / LIEPPlacementDate	O	D0460	Date a student was originally placed in the district's LIEP program or began receiving LIEP services.	xs:date	
SIF_ExtendedElement / LIEPExitDate	O	D0465	Date student was classified as ELL Status 4 (Exited)	xs:date	
SIF_ExtendedElement / LIEPWaivedDate	O	D0425	Date the parent waived the student's LIEP services	xs:date	
SIF_ExtendedElement / LIEPInstructionalProgram	M	D0470	The instructional program of a current ELL student.	xs:token	Vendor default: 99  1: Dual language program 10: Other bilingual program 14: Newcomer program 15: Sheltered instruction

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSchoolEnrollment</b>					16: English as a second language 99: Not applicable
SIF_ExtendedElement / ELLMonitorYear1Teacher	M	D0482	Folder number of the year 1 monitor teacher of the ELL student.	xs:token	
SIF_ExtendedElement / ELLMonitorYear1EndDate	M	D0483	What is the date that Year 1 monitoring will end for the ELL student?	xs:date	
SIF_ExtendedElement / ELLMonitorYear1Decision	M	D0484	What is the decision for the ELL student after Year 1 monitoring?	xs:token	Vendor default: 99  1: Continue to monitor year 2 2: Return to LIEP instructional program 99: Not applicable
SIF_ExtendedElement / ELLMonitorYear2Teacher	M	D0486	Folder number of the year 2 monitor teacher of the ELL student.	xs:token	
SIF_ExtendedElement / ELLMonitorYear2EndDate	M	D0487	What is the date that Year 2 monitoring will end for the ELL student?	xs:date	
SIF_ExtendedElement / ELLMonitorYear2Decision	M	D0488	What is the decision for the ELL student after Year 2 monitoring?	xs:token	Vendor default: 99  2: Return to LIEP instructional program 3: No longer requires monitoring 99: Not applicable
SIF_ExtendedElement / DateReenteredLIEPProgram	M	D0489	If the student reentered the LIEP program based on monitoring decisions, what was the most recent date of the reentry?	xs:date	
SIF_ExtendedElement / PKHeadStartFunded	M	D0821 TIER	Is the PK student funded by Head Start?	xs:token	Vendor default: 0  1: Yes 0: No
SIF_ExtendedElement / PKSharedVisionsFunded	M	D0822 TIER	Is the PK student funded by Shared Visions?	xs:token	Vendor default: 0  1: Yes

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSchoolEnrollment</b>					0: No
SIF_ExtendedElement / PKECIFunded	M	D0823 TIER	Is the PK student funded by ECI?	xs:token	Vendor default: 0  1: Yes 0: No
SIF_ExtendedElement / PKParentFunded	M	D0824 TIER	Is the PK student funded by his / her parent?	xs:token	Vendor default: 0  1: Yes 0: No
SIF_ExtendedElement / PKTitle1Funded	M	D0825 TIER	Is the PK student funded by Title 1?	xs:token	Vendor default: 0  1: Yes 0: No
SIF_ExtendedElement / PKSWVPPFunded	M	D0826 TIER	Is the PK student funded by the State Wide Voluntary Preschool Program (SWVPP)?	xs:token	Vendor default: 0  1: Yes 0: No
SIF_ExtendedElement / PKFundedByOther	M	D0827 TIER	Is the PK student funded by the other sources such as private business?	xs:token	Vendor default: 0  1: Yes 0: No
SIF_ExtendedElement / PreschoolProgram1Type	M	D0834 TIER	Type of program for the student served in a preschool classroom.	xs:token	Vendor default: 99  3: SWVPP 4: Preschool – Not SWVPP 5: Early childhood special education only classroom 99: Not applicable
SIF_ExtendedElement / PreschoolProgram1Hours	M	D0836	Number of hours per week the student is attending Preschool Program 1.	xs:decimal xs:fractionDigits - 1	Vendor default: 0.0
SIF_ExtendedElement / PreschoolProgram1Session	O	D0838	The assigned code for this preschool session.	xs:token	
SIF_ExtendedElement / PreschoolProgram2Type	M	D0835 TIER	Type of program for the student served in a second preschool classroom, if applicable.	xs:token	Vendor default: 99  3: SWVPP 4: Preschool – Not SWVPP

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSchoolEnrollment</b>					5: Early childhood special education only classroom 99: Not applicable
SIF_ExtendedElement / PreschoolProgram2Hours	M	D0837	Number of hours per week the student is attending Preschool Program 2.	xs:decimal xs:fractionDigits - 1	Vendor default: 0.0
SIF_ExtendedElement / PreschoolProgram2Session	O	D0839	The assigned code for this preschool session.	xs:token	
SIF_ExtendedElement / Program1	M	D0352	Specific programs determined by the Department of Education or locally.	xs:token	Vendor default: 0
SIF_ExtendedElement / Program2	M	D0354		xs:token	Vendor default: 0
SIF_ExtendedElement / Program3	M	D0356		xs:token	Vendor default: 0
SIF_ExtendedElement / Section504	M	D0300 TIER	Does the student have a 504 plan?	xs:token	Vendor default: 0  1: Yes 0: No
SIF_ExtendedElement / GiftedTalented	M	D0310 TIER	Has the student been identified as gifted/talented at any time during the current school year?	xs:token	Vendor default: 0  1: Yes 0: No
SIF_ExtendedElement / IEPLevel	M	D0296 TIER	Code indicating the current IEP level for special education weighting	xs:token	Vendor default: 99  1: Level I 2: Level II 3: Level III 0: Support services only 99: Not applicable
SIF_ExtendedElement / IEPPlacementDate	O	D0292 TIER	The most recent IEP placement date.	xs:date	Required for students with an IEP.
SIF_ExtendedElement / IEPStaffedOutDate	O	D0294 TIER	The most recent IEP staff out date.	xs:date	Required for students with an IEP who were staffed out at any time during the current school year.
SIF_ExtendedElement / CEDSEntryType	M	D0175	Code indicating the type of entry for this enrollment.	CEDS EntryType code – same values as SIF / NCES0619 EntryType	Left-pad leading zero to 5 chars if SIS stores 4 char NCES / SIF codes.

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSchoolEnrollment</b>				but with leading zeros.	
SIF_ExtendedElement / JuniorSeniorRule	M	D0187	Is the student enrolled under the Junior Senior Rule?	xs:token	Vendor default: 0  1: Yes 0: No
SIF_ExtendedElement / ExcludeFromStateReporting	M	TIER	'Yes' if SIS indicates to exclude record from state reporting.	Values: Yes, No	

**4.2.15 StudentSectionEnrollment**

(SIF Implementation Specification 2.4 - 6.14.24)

This object contains information about a student's enrollment in a section of a course.

SIF\_Events are reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSectionEnrollment</b>					
@RefId	M		The Id (GUID) that uniquely identifies this StudentSectionEnrollment.	RefIdType	
@StudentPersonalRefId	M		The Id (GUID) of the student to whom this information applies.	IdRefType	
@SectionInfoRefId	M		The Id (GUID) of the section in which this student is enrolled.	IdRefType	
@SchoolYear	M	TIER	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2017 for the 2016-17 school year).	SchoolYear	
EntryDate	M	TIER	Date from when this enrollment is valid	xs:date	
ExitDate	M	TIER	The last school calendar day (membership day) the student was enrolled in the course section (inclusive).	xs:date	

### 4.2.16 StudentSnapshot

(SIF Implementation Specification 2.4 - 6.14.25)

This object provides a snapshot of a student's record on a given day. All information reported in the object is reported as it appeared in the responding system on the date specified in SnapDate. It can be used for synching data across applications, for periodically loading a data warehouse, or for vertical reporting of data to a requesting authority, such as a state department of education.

SIF\_Events are not reported for this object.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSnapshot</b>					
@SnapDate	M		The date the data snapshot was taken. Some elements are provided/calculated as of the SnapDate, and some are provided as of the date the object is requested (i.e., some can be historical and some will represent the last information available/last known value). In a SIS the following elements are provided/calculated as of the SnapDate: Age, HomeEnrollment and all its child elements. Other applications (e.g., data warehouses) may be able to provide values for other elements on various snap dates.	xs:date	
@StudentPersonalRefId	M		The Id (GUID) of the student to whom this information applies.	IdRefType	
@SchoolYear	M		School year in which the SnapDate falls, and for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year).	SchoolYear	
LocalId	M		The locally-defined identifier for this student.	LocalId	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>StudentSnapshot</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
HomeEnrollment	M		Enrollment-related information for the school that is responsible for reporting the student's membership/child accounting information. This is most likely the primary enrollment site for the student.		
HomeEnrollment/Status	M		Enrollment status as of the SnapDate.	Values: Active, Inactive, Unreported	
HomeEnrollment/GradeLevel	M		Grade or academic level of student.	GradeLevel	
SIF_Extended Elements / SIF_ExtendedElement / [@Name= "IA Profile Extensions"]	M			SIF_ExtendedElement LIST	
SIF_ExtendedElement / DistrictEntryDate	M	D0210	The most recent date that begins continuous enrollment in the district	xs:date	
SIF_ExtendedElement / DiplomaType	M	D0550	Type of diploma received.	xs:token	Vendor default: 99  1: Regular diploma 3: Other completer 99: Not applicable
SIF_ExtendedElement / PostGradLocation	M	D0560	The graduate's intended post-graduation location.	xs:token	Vendor default: 99  1: In-state 2: Out of state 99: Not applicable
SIF_ExtendedElement / PostGradPlan	M	D0570	The graduate's intended post-graduation plan.	xs:token	Vendor default: 99  See appendix A.4.2.16-1 for code values
SIF_ExtendedElement / ExtracurricularActivities	M	D0555	Did student participate in extracurricular activities at any time while in grades 9-12?	xs:token	Vendor default: 99  1: Yes 0: No 99: Not applicable
SIF_ExtendedElement / PayingJob	M	D0557	Did student have paying job at any time while in grades 9-12?	xs:token	Vendor default: 99  1: Yes

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>StudentSnapshot</b>					0: No 99: Not applicable
SIF_ExtendedElement / RNSReadingScore	M	D0752	What was the reason no state reading assessment score will be reported for this student?	xs:token	Vendor default: 99
SIF_ExtendedElement / RNSMathScore	M	D0754	What was the reason no state math assessment score will be reported for this student?	xs:token	Vendor default: 99
SIF_ExtendedElement / RNSScienceScore	M	D0756	What was the reason no state science assessment score will be reported for this student?	xs:token	Vendor default: 99

**4.2.17 TermInfo**

(SIF Implementation Specification 2.4 - 6.14.26)

This object provides information about a term; i.e., a reportable period of time.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>TermInfo</b>					
@RefId	M		The Id (GUID) that uniquely identifies this TermInfo entity.	RefIdType	
@SchoolInfoRefId	M		The Id (GUID) that identifies the school where the term is used.	IdRefType	
@SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2017 for the 2016-17 school year).	SchoolYear	
StartDate	M		Starting date of the term.	xs:date	Used to calculate Section Start Indicator (C0140) for SRI (Iowa DE calculation)
EndDate	M		Ending date of the term (CCYYMMDD).	xs:date	
TermCode	M	TIER	Locally-defined codes	xs:normalizedString	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>TermInfo</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
TermSpan	M	TIER		TermSpan	

**4.3 – Human Resources and Financials Objects**

**4.3.1 EmployeeAssignment**

(SIF Implementation Specification 2.4 - 6.8.3)

This object defines information related to an employee assignment as it pertains to the human resource needed to track an employee assignment for employee reporting and financial funding tracking. The staff assignment record will hold more detail of the actual assignment. There are multiple records for each assignment and/or location.

Element/Attribute <b>EmployeeAssignment</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this staff member assignment.	RefIdType	
@EmployeePersonalRefId	M		This GUID referencing the parent EmployeePersonal object	IdRefType	
Description	M		Short assignment description	xs:string	
PrimaryAssignment	M		Is this the staff member's primary assignment? There must be one and only one instance of the object with Yes in this value per school year.	<u>values:</u> Yes No	
JobFTE	M	P620A	Full-time job equivalent ratio for this assignment. (Format is x.xx; an employee who is full-time and who spends 50% of their time on this assignment would be represented as 0.50)	xs:decimal xs:minInclusive-0 xs:maxInclusive-1 xs:fractionDigits-3	
LocationInfoRefId	O	A020A	This is an optional element so the placement of the employee within the agency can be tracked as needed. The GUID references the LocationInfo object.	IdRefType	
JobClassification	M				

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>EmployeeAssignment</b>					
JobClassification/Code	M		The specific group of duties or responsibilities of position.	NCES0557JobClassificationType	
JobClassification/OtherCodeList	M			OtherCodeList	
OtherCodeList/OtherCode	M	P610A		OtherCode	[@Codeset="StateProvince"] See Appendix A. 4.2.8-2 for Iowa Position codes
ProgramType	M				
ProgramType/Code	M		The code for the type of instructional or non-instructional program.	NCES0229ProgramType	
OtherCodeList	M			OtherCodeList	
OtherCode	M	P600A		OtherCode	[@Codeset="StateProvince"] See Appendix A.4.2.8-4 for Iowa Program Codes.
SIF_ExtendedElements / SIF_ExtendedElement / [@Name= "IA Profile Extensions"]	M			SIF_ExtendedElementLIST	
SIF_ExtendedElement / AssignmentCode	M	A410A	The code to indicate the course title of an assignment.	xs:token	See Appendix A.4.3.1-1 for Iowa Assignment codes
SIF_ExtendedElement / Shared	O	A450A	Staff person works in more than one district, but one district pays the salary/wage.	xs:token	See Appendix A.4.4.1-2 for Iowa Shared codes.
SIF_ExtendedElement / SharedDistrict	O	A460A	District that you are sharing with. If the entity that holds the contract is not a public district, nonpublic school, or AEA leave this blank.	xs:token	
SIF_ExtendedElement / AtRiskAssurance	O	A470L	The district gives the department an assurance that the teacher, in the classroom teaching at-risk kids, is properly licensed or working with another teacher who is properly licensed.	xs:token	
SIF_ExtendedElement / SpEdConsultative	O	A480L	The delivery method used in the special education classroom is "Consultative". In	xs:token	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>EmployeeAssignment</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			other words the teacher is working with another teacher in order to instruct the special education students in core content.		
SIF_ExtendedElement / SpEdCore	O	A481L	The delivery method used in the special education classroom is "Core content delivered in Special Education Classroom". In other words the teacher of record for core content classes is the teacher in the Special Education Classroom who is appropriately licensed to teach the core content for the class.	xs:token	
SIF_ExtendedElement / SpEdAltAssessment	O	A482L	The delivery method used in the special education classroom is "Special Education Classroom with alternate assessment". In other words the students are given an alternate assessment rather than the district wide assessment.	xs:token	
SIF_ExtendedElement / ParaEducatorCert	O	A491L	An indication that the paraprofessional met the paraprofessional requirements by obtaining para-educator certification. The para-educator should have a folder number.	xs:token	
SIF_ExtendedElement / ParaEarlyChildhoodCert	O	A492L	An indication that the paraprofessional met the paraprofessional requirements by obtaining para-educator certification with an area of concentration in Early Childhood. The para-educator should have a folder number.	xs:token	
SIF_ExtendedElement / ParaProfCDA	O	A493A	An indication that the paraprofessional met the paraprofessional requirements by obtaining the CDA (Child Development Associate) designation.	xs:token	
SIF_ExtendedElement / ParaProf48HrsCollege	O	A494A	An indication that the paraprofessional met the paraprofessional requirements	xs:token	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>EmployeeAssignment</b>					
			by completing at least 48 semester hours of college credit.		
SIF_ExtendedElement / ParaProfDistAssessment	O	A495A	An indication that the paraprofessional met the paraprofessional requirements by completing district assessment.	xs:token	
SIF_ExtendedElement / ParaProfAADegree	O	A496A	An indication that the paraprofessional met the paraprofessional requirements by obtaining an AA degree or higher.	xs:token	
SIF_ExtendedElement / ParaProfNone	O	A497A	None of the above apply.	xs:token	

**4.3.2 EmployeePersonal**

(SIF Implementation Specification 2.4 - 6.8.5)

This object contains basic information for employees, provided by an HR application.

Usage:

For the race codes, Iowa uses a flag for each of the 5 race categories, (1=yes, 0=no). The Agent is to provide the SIF NCES0849RaceType code for each of the race categories associated with an employee, as a list, per the SIF Specification.

Iowa uses a flag for Hispanic/Latino (1=Yes, 0=No).

Iowa uses a single Local ID, assigned by the district, which the Agent is to provide via the OtherIdList/OtherId [@Type="Local"]. Iowa uses a second identifier for those employees with a state-assigned Folder Number, which the Agent is to provide via StateProvinceId. In other words, all employees will have a value for OtherId, and only some of the employees will have a value for StateProvinceId.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>EmployeePersonal</b>					
@RefId	M		The Id (GUID) that uniquely identifies this staff member.	RefIdType	
StateProvinceId	O	D040L	The state-assigned identifier for this staff member.	StateProvinceId	This is the IA state-assigned Folder Number

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>EmployeePersonal</b>					
OtherIdList	M		List all "other" Ids associated with the employee.	List	
OtherIdList/OtherId	M	C001A	This field can hold a SSN, state or locally assigned Id.	xs:normalizedString	Iowa uses a single OtherId per EmployeePersonal (for the Local Staff ID) [@Type="Local"]
Name	M		Name of employee.	BaseNameType	
Name/LastName	M	D050A	The last name.	LastName	[@Type="04"]
Name/FirstName	M	D060A	The first name.	FirstName	[@Type="04"]
Demographics	M		This element contains information related to employee demographics.	Demographics	
Demographics/RaceList	M			RaceList	
RaceList/Race	MR				
Race/Code	M	D083A D084A D085A D086A D087A	The general racial category which reflects the individual's recognition of his or her community or with which the individual most identifies. In a given SIF implementation Agents must have alignment on the use of the NCES and deprecated SPEEDE code sets. Agents are not required to translate between the code sets.	NCES0849RaceType	Agent to provide a list of race codes associated with an employee, using the NCES codes. See Usage for more detail.
Demographics/HispanicLatino	O	D082A		HispanicLatino Values: Yes, No	IA codes: 1=Yes, 0=No. Agent to provide Yes, No values.
Demographics/Gender	O	D070A		Gender <u>values:</u> M, F, U	
Demographics/BirthDate	O	D090A		BirthDate	
SIF_ExtendedElements / SIF_ExtendedElement / [@Name= "IA Profile Extensions"]	M			SIF_ExtendedElement LIST	
SIF_ExtendedElement / PrimarySchool	O	D020A	The 4 digit number of the building in which the staff person works/spends a	xs: token	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>EmployeePersonal</b>			majority of their time/or starts their day.		
SIF_ExtendedElement / HighestDegree	O	D100L	Highest degree attained	xs: token	
SIF_ExtendedElement / TotalYrsExperience	O	D120L	Total number of years of experience completed (in whole numbers) in K-12 education. If this is the first year, enter zero.	xs: decimal	
SIF_ExtendedElement / DistrictExperience	M	D130A	Total number of years of experience completed (in whole numbers) in this district. If this is the first year enter zero.	xs: decimal	
SIF_ExtendedElement / ContractDays	M	D150A	Number of days contracted or if not a contract employee, the number of days the employee is expected to work.	xs: decimal	
SIF_ExtendedElement / BaseSalary	M	D160A	The amount of gross salary or wage to be paid for normal work duties before deductions, less amount to be paid from Teacher Compensation funds.	xs: decimal	
SIF_ExtendedElement / ExtraComp	O	D161A	The amount of salary or wage to be paid for extra duties such as extracurricular activities, extended contract, bonus pay, Incentive Pay, Performance Pay, Stipends, activities that are outside the regular salary schedule.	xs: decimal	
SIF_ExtendedElement / BonusPay	O	D164AE A	The amount of salary or wage to be paid by an AEA as Bonus pay.	xs: decimal	
SIF_ExtendedElement / ProfDevelopmentDollars	O	D162L	The amount of salary or wage to be paid from teacher quality professional development funds received.	xs: decimal	
SIF_ExtendedElement / TeacherSalarySupplement	O	D163L	The amount of salary or wage to be paid from teacher compensation funds received.	xs: decimal	
SIF_ExtendedElement / RetirementBenefits	O	D170A	The amount to be paid by the district for retirement and FICA; and the	xs: decimal	

**SIF PROFILE MAPPINGS**

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>EmployeePersonal</b>			employee's share of retirement if paid by the district.		
SIF_ExtendedElement / Annuities	O	D173AE A	The amount to be paid by the AEA for annuities.	xs: decimal	
SIF_ExtendedElement / HealthBenefits	O	D171A	The amount to be paid by the district for health benefits such as health insurance, dental insurance, disability insurance, vision insurance, long-term care insurance.	xs: decimal	
SIF_ExtendedElement / OtherBenefits	O	D172A	The amount to be paid by the district for other benefits such as IRS value of housing allowance, IRS value of automobile allowances whether purchased or provided, pay for unused vacation/sick leave, life insurance, other insurance.	xs: decimal	
SIF_ExtendedElement / TeacherLeaderCompensation	O	D165L		xs: decimal xs: fractionDigits - 0	
SIF_ExtendedElement / TeacherLeaderDays	O	D155L	The number of days contracted to work as a teacher leader.	xs: decimal xs: fractionDigits - 0	

**4.3.3 LocationInfo**

(SIF Implementation Specification 2.4 - 6.8.17)

LocationInfo represents a location in a district.

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
<b>LocationInfo</b>					
@RefId	M		The Id (GUID) that uniquely identifies this location.	RefIdType	
@LocationType	M		Defines whether the location is a school or a non-school location.	values: School NonSchool	

**SIF PROFILE MAPPINGS**

Element/Attribute <b>LocationInfo</b>	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SiteCategory	M		Specific site category.  <u>Examples</u> Prep Site Satellite Central Kitchen Warehouse Storage Central Office Other	xs:normalizedString	
Name	M		Text name of the location	xs:normalizedString	
LocalId	M		The locally-assigned identifier for this location.	LocalId	
StateProvinceId	O	A020A	The state-assigned identifier for this location.	StateProvinceId	

## A - Appendix

### A.4.1 – Grade Book Objects Appendix

### A.4.2 – Student Information System Objects Appendix

#### A.4.2.3-1 DisciplineIncident – IncidentLocation

IncidentLocation	Definition	Code
Bathroom/Restroom	Areas used by students for taking care of personal needs.	1
Bus	The area inside the bus.	2
Bus Loading Zone	The area used for bus loading and unloading.	3
Cafeteria	The area used for breakfast and lunch.	4
Classroom	Areas used for instructional purposes.	5
Commons/Common area	Areas shared by students and staff for specific activities.	6
Computer Lab	Areas used for group computer classes and activities.	7
Gym	Areas used for physical education classes/activities/events.	8
Hallway/Breezeway	Areas designated for passing from one activity/class to another.	9
Library	The area designated for research, study, and book check-out.	10
Locker Room	Areas used by students to get ready for/after completing physical education classes and/or sporting events.	11
Off-Campus	An area beyond the property boundary of the school and not affiliated with a school activity.	12
Office	The area used by school staff for primary school business and management.	13
Parking Lot	Areas used for parking vehicles during school hours.	14
Playground	Areas outside used for recess breaks.	15
Special Event/ Assembly/Field Trip	Areas used for infrequent activities that occur in and/or out of school.	16
Stadium	The area used for athletic/special events.	17
Vocational Room	The area used for vocational classes and activities.	18
Unknown Location	The location of the problem behavior incident is not known or undetermined.	19
Other Location	The location of the problem behavior incident is not listed above.	20

**SIF PROFILE MAPPINGS**

**A.4.2.3-2 DisciplineIncident – SIF\_ExtendedElement / StudentRemovals / StudentRemoval / ActionTaken**

ActionTaken	Definition	Code
In-School Suspension	Administrative removal of a student from regular classes or activities for disciplinary reasons, but the student continues to be under the supervision of the school district.	1
Out-of-School Suspension	Administrative removal of a student from regular classes or activities for disciplinary reasons.	2
Expulsion	School board action resulting in the removal of a student "from the rolls" of a district (unless the student has an IEP and requires continuing services) for disciplinary reasons.	3
Expulsion following a suspension for the same incident	For students who are initially suspended and then eventually expelled by board action for disciplinary reasons.	4
Interim setting by School Personnel	Student is placed in an alternative educational setting.	5
Interim setting by Impartial Hearing Officer	Student is placed in an alternative educational setting. This action taken is a valid option only for IEP students if the problem behavior was drug related, weapon related, or resulted in Serious Bodily Injury. The maximum duration of this action is 45 days (per incident).	6
Apology/Restitution	Action taken that results in apologizing or compensating for loss, damage, or injury.	7
Bus Suspension	Action taken that results in the student not being allowed on the bus.	8
Community Service	Action taken that results in involvement in community service activities or projects.	9
Conference with Student	Action taken that results in student meeting with administrator, teacher, and/or parent (in any combination).	10
Individualized Instruction	Action taken that results in the student receiving individualized instruction specifically related to the student's problem behaviors.	11
Loss of Privilege	Action taken that results in the student being unable to participate in some type of privilege.	12
Parent Contact	Action taken that results in parent communication by phone, email, or person-to-person about the problem.	13
Saturday School	Action taken that results in the student attending classes on a Saturday.	14
Time in Office	Action taken that results in the student spending time in the office away from scheduled activities/classes.	15
Time Out/Detention	Action taken that results in the student spending time in a specified area away from scheduled activities/classes.	16
Action Pending	Action taken is pending.	17
Other		18

**A.4.2.3-3 DisciplineIncident – SIF\_ExtendedElement / StudentRemovals / StudentRemoval / ProblemBehavior**

ProblemBehavior	Definition	Code
Abusive or inappropriate language, profanity	Student delivers verbal messages that include swearing, name calling, or use of words in an inappropriate way. Mark as minor if the behavior is low intensity.	1
Alcohol related	Student is in possession of or is using alcohol.	2
Arson	Student plans and/or participates in malicious burning of property.	3
Bomb threat	Student delivers a false message of possible explosive materials being on-campus, near campus, and/or pending explosion.	4

**SIF PROFILE MAPPINGS**

<b>ProblemBehavior</b>	<b>Definition</b>	<b>Code</b>
Bullying	Student delivers direct, indirect, or technology-based unwanted, aggressive behavior that involves a real or perceived power imbalance. The behavior is repeated, or has the potential to be repeated, over time. The targeted student may experience one or more of the following: fear of harm to themselves or property, detrimental effect on health, or detrimental effect on performance or participation in school activities.	5
Combustible related	Student is in possession of substances/objects readily capable of causing bodily harm and/or property damage (matches, lighters, firecrackers, gasoline, lighter fluid).	6
Defiance, insubordination, or non-compliance	Student engages in refusal to follow directions or talks back to teachers/staff. Mark as minor if the behavior is brief or low intensity.	7
Disrespect	Student delivers socially rude or dismissive messages to adults or students. Mark as minor if the behavior is low intensity.	8
Disruption	Student engages in behavior causing an interruption in a class or activity including sustained loud talk, yelling, or screaming; noise with materials; horseplay or roughhousing; and/or sustained out-of-seat behavior. Mark as minor if the behavior is low intensity.	9
Dress code violation	Student wears clothing that does not fit within the dress code guidelines practiced by the school/district. Mark as minor if clothing is near, but not within, the dress code guidelines.	10
Drug related	Student is in possession of or is using illegal drugs/substances or imitations.	11
Forgery, plagiarism	Student signs a person's name without that person's permission or claims someone else's work as their own.	12
Gang affiliation display	Student uses gesture, dress, and/or speech to display affiliation with a gang.	13
Harassment	Student delivers direct, indirect, or technology based unwanted, aggressive behavior that involves a real or perceived power imbalance that is related to race, color, national origin, sex, or disability.	14
Inappropriate display of affection	Student engages in inappropriate, consensual verbal and/or physical gestures or contact of a sexual nature with another student/adult.	15
Inappropriate location	Student is in an area that is outside of school boundaries (as defined by school).	16
Lying/cheating	Student delivers a message that is untrue or deliberately violates rules about cheating.	17
Physical aggression with injury	Student engages in actions involving serious physical contact (e.g., hitting, punching, hitting with an object, kicking, hair pulling, scratching, etc.) where either the offender(s) or victim(s) require professional medical attention. Does not include bullying or harassment.	18
Physical aggression with serious bodily injury	Student engages in actions involving serious physical contact (e.g., hitting, punching, hitting with an object, kicking, hair pulling, scratching, etc.) where either the offender(s) or victim(s) require off-site professional medical attention for extreme physical pain, protracted and obvious disfigurement, protracted loss or impairment of the function of a bodily member, organ, or faculty, or substantial risk of death.	19
Physical aggression without injury	Student engages in actions involving serious physical contact (e.g., hitting, punching, hitting with an object, kicking, hair pulling, scratching, etc.) where the offender(s) or victim(s) do not require professional medical attention. Does not include bullying or harassment. Mark as minor if the behavior is non-serious, but inappropriate physical contact.	20

**SIF PROFILE MAPPINGS**

<b>ProblemBehavior</b>	<b>Definition</b>	<b>Code</b>
Physical fighting with injury	Student engages in a mutual physical fight where the offender(s) or victim(s) require professional medical attention. Does not include bullying or harassment.	21
Physical fighting with serious bodily injury	Student engages in a mutual physical fight where either the offender(s) or victim(s) require off-site professional medical attention for extreme physical pain, protracted and obvious disfigurement, protracted loss or impairment of the function of a bodily member, organ, or faculty, or substantial risk of death.	22
Physical fighting without injury	Student engages in a mutual physical fight where the offender(s) or victim(s) do not require professional medical attention. Does not include bullying or harassment.	23
Property damage/vandalism/misuse	Student participates in an activity that results in damage, destruction, or misuse of property. Mark as minor if the behavior is low intensity misuse of property.	24
Skip class	Student leaves or misses class without permission.	25
Special education administrative law judge decision	Problem behavior involving a special education administrative law judge mandate due to threat of injury. This does not apply to decision by the school board, juvenile court officer, juvenile court judge, or district court judge.	26
Tardy	Student is late to class or the start of the school day. Mark as minor if the student arrives shortly after the bell (or signal that class has started).	27
Technology violation	Student engages in inappropriate use of cell phone, pager, music/video players, camera, and/or electronic devices. Mark as minor if the behavior is non-serious, but inappropriate, as defined by the school.	28
Theft	Student is responsible for possessing or passing on someone else's property.	29
Tobacco related	Student is in possession of or is using tobacco.	30
Truancy	Student receives an 'unexcused absence' for ½ day or more.	31
Weapon related	Student is in possession of knives, guns (real or look alike), or other objects readily capable of causing bodily harm.	32
Other	Mark as minor if the behavior is low intensity.	33

**A.4.2.3-4 DisciplineIncident – SIF\_ExtendedElement / StudentRemovals / StudentRemoval / WeaponCode**

<b>WeaponCode Definition</b>	<b>Code</b>		<b>WeaponCode Definition</b>	<b>Code</b>
Handgun	H		Bomb	B
Rifle or shotgun	R		Look alike or fake weapon	L
Other firearm	F		Other weapon not listed	O
Knife	K		Not applicable	N

**A.4.2.3-5 DisciplineIncident – SIF\_ExtendedElement / StudentRemovals / StudentRemoval / Motivation**

Motivation	Definition	Code
Avoid Adult	Student engages in problem behavior(s) to get away from/escape from adult(s).	1
Avoid Peer(s)	Student engages in problem behavior(s) to get away from/escape peer(s).	2
Avoid Tasks/Activities	Student engages in problem behaviors(s) to get away from/escape from tasks and/or activities.	3
Obtain Adult Attention	Student engages in problem behavior(s) to gain attention of adult(s).	4
Obtain items/Activities	Student engages in problem behavior(s) to gain items and/or activities.	5
Obtain Peer Attention	Student engages in problem behavior(s) to gain attention of peer(s).	6
Unknown Motivation	Student engages in problem behavior(s) for unclear reasons.	7
Other Motivation	Student engages in problem behavior(s) for other reasons not listed above.	8

**A.4.2.3-6 DisciplineIncident – SIF\_ExtendedElement / StudentRemovals / StudentRemoval / InstructionalFormat**

Instructional Format	Definition	Code
Full classroom activity/instruction with instructor participation	Student is engaged in full classroom direct instruction, activity, presentation, or demonstration that is instructor-led.	1
Small group activity/instruction with instructor participation	Student is engaged in small group direct instruction, activity, presentation, or demonstration that is instructor-led.	2
Individual activity/instruction with instructor participation	Student is engaged in individual direct instruction, activity, presentation, or demonstration that is instructor-led.	3
Small group activity with peers	Student is engaged in small group activity without instructor participation.	4
Individual student work or seat work	Student is engaged in individual work without instructor participation.	5
Assessment administration	Student is engaged in assessment participation.	6
Classroom transition	Student is engaged in transition within the classroom from one activity or instructional format to another.	7
Unstructured time	Student is engaged in a free time activity or other unstructured time.	8
Other	Student is engaged in another instructional format not listed above.	9
Not applicable		99

**SIF PROFILE MAPPINGS**

**A.4.2.5-1 SchoolCourseInfo – SubjectArea / OtherCodeList / OtherCode**

Notes: Iowa will use SubjectArea/OtherCode to represent Accreditation Program Area. The two code sets, Iowa and SCED, are similar in essence, though not an exact match. Use OtherCode.

SubjectArea Definition	Code		SubjectArea Definition	Code
English/Language Arts	1		Physical Education	6
Fine Arts	2		Science	7
Foreign Language	3		Social Studies	8
Health	4		CTE	9
Mathematics	5		Not Used for Accreditation	0

**A.4.2.5-2 SchoolCourseInfo – SIF\_ExtendedElement / CourseOrigination**

Origination	Defintion	Code
Local course taught by local teacher		1
Local district course taught by non-district teacher	These courses include ICN courses hosted by another district and courses taught in house by a teachers whose primary contract is held by another district.	11
Postsecondary enrollment option	Postsecondary Enrollment Options Act promotes rigorous academic pursuits by providing high school students access to enroll part-time in nonsectarian courses in eligible postsecondary institutions. The program is available to eligible juniors and seniors as well as freshmen and sophomores who are identified as gifted and talented according to the school district’s criteria and procedures.	2
Concurrent enrollment/not career academy course (offered by community college)	Concurrent Enrollment courses are offered through a contractual agreement between a community college and the public school district. These courses are considered to be part of a school district’s curriculum and should be listed in the school district’s course guide. Concurrent enrollment courses are available to all 9th-12th grade students. These courses may be taught at the community college, in the public school district, or online.	3
Jointly administered course for high school credit (offered by community college)	These courses include high school credit recovery courses or courses in an alternative high school program at the community college. These courses may also be purchased courses from the community college taught in the high school.	4
District to district sharing (offered by another school district)	These courses are for high school credit only. This includes nonpublic to public and nonpublic to nonpublic sharing.	5
Iowa Learning Online		6
Iowa Online AP Academy		7
Concurrent enrollment/Career Academy (offered by community college)	Career Academy (Iowa Code 260C.18A) means a program of study that combines a minimum of two years of secondary education with an associate degree, or the equivalent, career preparatory program in a non-duplicative, sequential course of study that is standards based, integrates academic and technical	9

**SIF PROFILE MAPPINGS**

<b>Origination</b>	<b>Defintion</b>	<b>Code</b>
	instruction, utilizes work-based and worksite learning where appropriate and available, utilizes an individual career planning process with parent involvement, and leads to an associate degree or postsecondary diploma or certificate in a career field that prepares an individual for entry and advancement in a high-skill and reward career field and further education.	
Regional academy course	A regional academy (Iowa Code 261E.9) is a program established by a school district to which multiple school districts send students in grades seven through twelve. Course may be taught over the ICN or the Internet. These courses are for high school credit only. In order to qualify for supplemental weighting, an application must be submitted and approved by the Finance Bureau of the DE.	10
College credit course offered by another district	College credit courses offered by another district	12
Other	These courses may be correspondence courses, purchased on-line courses (PLATO, ALEKS, Odyssey Ware, E2020, etc.), or courses used for credit recovery.	8
Transfer in course	This course origination may only be used on a transcript. It is for courses a student has already completed in a previous district which need to be entered onto a transcript in the current district.	51
College credit course contracted with a nonpublic school	This course origination may only be used by Nonpublic Schools. A contractual agreement exists between the postsecondary institution and the nonpublic school. Courses offered through Concurrent Enrollment or PSEO with a postsecondary via the public school district should not be coded with this course origination.	81

**A.4.2.8-1 StaffAssignment – JobFunction / Code (Iowa TIER Security Roles)**

<b>Iowa TIER Role</b>	<b>Definition</b>	<b>Code</b>
Teacher	Certified staff that are linked to a classroom of students; has full access to Iowa TIER, for the students linked to the staff.	1000
Behavior Coach	Building leader for behavior in Iowa TIER; may have additional responsibilities and functionality in Iowa TIER; can submit tickets in the Iowa TIER knowledge base.	2120
Universal Screening Assessor	Certified/non-certified staff that have access to the system only to screen or progress monitor students.	2240
Internal Coach	Building leader for literacy in Iowa TIER; may have additional responsibilities and functionality in Iowa TIER; can submit tickets in the Iowa TIER knowledge base.	2400
Site User	Certified/non-certified staff that have access to the system in a similar way to a classroom teacher, but aren't linked to a particular classroom and rather have access to all students.	2000
Principal	Certified staff member that is the principal of the building; has full access to all datas in their building; may have additional responsibilities and functionality in Iowa TIER.	2410

**S I F P R O F I L E M A P P I N G S**

**A.4.2.8-2 StaffAssignment – JobFunction / OtherCodeList / OtherCode (BEDS Position Codes)**

<b>OtherCode (Teacher Codes)</b>	<b>Definition</b>	<b>Code</b>
Project Lead the Way Teacher	Math or Science teacher that has taken a course that allows them to teach certain Engineering courses.	726
Regular Education Teacher	Person who is a member of the instructional professional staff who holds a license/certificate endorsed for the type of position in which employed. A teacher diagnoses, prescribes, evaluates, and directs student learnings in terms of the school's objectives, either singly or in concert with other professional staff members; shares responsibility with the total professional staff for developing educational procedures and student activities to be used in achieving the school's objectives; supervises educational aides who assist in serving students for whom the teacher is responsible; and evaluates or assesses student progress during and following instruction in terms of the objectives sought, and uses this information to develop further educational procedures.	728
Long-Term Substitute	Person who is taking the place of someone on long-term leave. This person must be teaching the same course for 30 consecutive work days. Report the long-term sub if any of the 30 days falls on October 1st.	729
Itinerant Teacher	Teacher that is authorized to provide instructional services to those individuals unable to attend class.	731
Hospital/Homebound Teacher	Teacher that is authorized to provide instructional services to those pupils hospitalized or homebound and unable to attend class.	735
Early Childhood Special Education	Teacher that is in an Early Childhood setting that has a Special Education focus.	736
Home Intervention Teacher	Provides in home educational and support services for birth to 3 age children with significant disabilities.	744
Special Education Teacher	Responsible for providing consultative services to content endorsed general education teachers; or responsible for collaborating/co-teaching with a content endorsed general education teacher for students enrolled in the academic content area. Responsibilities may include assisting with adjustments to the learning environment, modifications or instructional methods, adaptation of curricula, use of positive behavioral supports and interventions, or design, use, or implementation of appropriate accommodations to meet individual needs of students with disabilities. Does not assign grades. Student participates in the general curriculum or person responsible for instruction of elementary and secondary students and serves as the teacher solely responsible for delivering academic content and assigning grades. Student participates in a modification of general curriculum at an instructional level below their general education peers or person responsible for teaching students with the most significant cognitive disabilities, those students who participate in a functional, life-skills curriculum. Does evaluate progress. Student participates in the special education alternate assessment based on special education alternate standards.	745
Paraprofessionals/Aides	May be in SIS system, otherwise in HR system.	101

**S I F P R O F I L E M A P P I N G S**

<b>OtherCode (Non-Teacher Codes)</b>	<b>Full Description</b>	<b>Code</b>
AEA Chief Administrator	Person who performs the highest level, agency-wide executive management functions of an Area Education Agency.	510
Superintendent	Person who promotes, demotes, transfers, assigns, or evaluates practitioners or other personnel, and carries out the policies of a governing board in a manner consistent with professional practice and ethics.	511
Assistant Superintendent	Person who performs high level, system-wide, executive management functions in a District/Nonpublic. (e.g., assistant, deputy, or associate superintendent)	512
Principal	Person who is a member of a school’s instructional staff who serves as an instructional leader, coordinates the process and substance of educational and instructional programs, coordinates the budget of the school, provides formative evaluation for all practitioners and other persons in the school, recommends or has effective authority to appoint, assign, promote, or transfer personnel in a school building, implements the local school board’s policy in a manner consistent with professional practice and ethics, and assists in the development and supervision of a school’s student activities program.	513
Assistant Principal	Person who performs high level executive management functions in an individual school, group of schools, or units of a school system.	514
Special Education Director	Person who administers or directs special education programs or functions and supervises other staff members.	515
Dean of Students		525
AEA Regional/Zone Coordinator	Person who performs high level executive management functions in a region or zone.	533
Supervisor	A person who directs or manages a program or function and supervises other staff members	534
Other Administrator	Person who performs administrator duties not listed elsewhere.	550
School Business Official	Person who performs, supervises, and is responsible for the overall financial operations of the local school board.	612
Special Education Consultant	The special education instructional specialist who provides ongoing support to special and general education instructional personnel delivering services to eligible individual. The consultant participates in the identification process and program planning of eligible individuals as well as working to attain the least restrictive environment appropriate for each eligible individual. The consultant demonstrates instructional procedures, strategies, and techniques; assists in the development of curriculum and instructional materials; assists in transition planning; and provides assistance in classroom management and behavioral intervention.	616
Content/Curriculum Consultant	Person who provides coordinative services and articulation within an instructional program or area of instruction.	618
Social Worker	Person who assists in the prevention of, or solution to, those personal, social, and emotional problems of individuals and their relationship with the family, school, and community.	624
Specialist	Person who provides information and guidance to other staff members in a specialized field.	626

**S I F P R O F I L E M A P P I N G S**

OtherCode (Non-Teacher Codes)	Full Description	Code
Coordinator/Department Head	Person who coordinates and articulates an Educational Program or coordinates and improves the instructional program of a specific area.	633
Teacher Leader		640
School Administrative Managers		650
Special Ed Support	Individuals who provide support services to PK-12 special education students. To include Social Work, School Psychological, Speech-Language, Audiology, Physical, and Occupational Therapy.	660
Nurse (SPR on file with BOEE)	Person who performs activities requiring substantial specialized judgment and skill in the observation, care, and counsel of ill and injured persons, and in illness prevention. The person filling this position must hold a bachelor's degree and an SPR with the Board of Educational Examiners.	698
Coach	Person who instructs individuals in the fundamentals of a competitive sport and direct team or individual strategy.	699
Counselor	Person who performs any of the following activities: counseling with students and parents, consulting with other staff members on learning problems, evaluating students abilities, assisting students in making educational and career choices, assisting students in personal and social development, providing referral assistance, and/or working with other staff members in planning and conducting guidance programs for students.	721
Teacher Librarian/Media Specialist	Person who develops plans for and manages the use of teaching and learning resources.	722
Paraprofessionals/Aides	May be in SIS system, otherwise in HR system.	101
Library/Media Associate		104
Student Support	Person providing non-instructional services to students. Includes Pupil Transportation supervisors.	106
Other Support	Person not reported in instructional or student support.	107
Board Secretary		112
Technology	Person involved with the districts information technology system, including the student information system, administrative networks, system analysis and planning, system application development. Also include network administrators, programmers.	121
Mental Health Counselors		124
Records Transfer Staff	Person responsible for entering, retrieving, or sending student records from or to another school or student records system.	130
Recreation and Therapeutic Recreation Specialists	Person who plans, organizes, and directs medically approved recreation programs.	131
Interpreters	Person who provides services to children who are deaf or hard of hearing, including oral transliterations services; cued language transliteration services; and sign language interpreting services.	132
Other Business Officials	Person who coordinates office services such as personnel, financial accounting, budget preparation and control, records control, and special management activities.	133

**S I F P R O F I L E M A P P I N G S**

<b>OtherCode (Non-Teacher Codes)</b>	<b>Full Description</b>	<b>Code</b>
HR/Personnel Manager	Person who directs individuals and manages functional supporting services in the human resources area, under the direction of a senior staff member.	134
Dietician		135
Food Service	Staff involved with providing food to students and staff. Supervisors should be reported under other student support.	136
Other Professional	A general job classification that describes staff that performs duties requiring a high degree of knowledge and skills such as staff lawyers, internal auditors, and CPAs.	137
AEA Supervisors/Managers	Person who directs individuals and manages functional supporting services under the direction of a senior staff member.	138
LEA Supervisors/Managers	Person who directs individuals and manages functional supporting services under the direction of a senior staff member.	139
Technology Support	Person in positions requiring a combination of knowledge and manual skill. This list includes tech support, hardware specialist and operators, film inspectors, projectionists, graphic artists, draftsmen etc.	141
Other Technical	Person that performs tasks requiring a combination of basic scientific knowledge and manual skills such as high speed printers or presses, computer operators, computer programmers and analysts.	142
Nurse (No SPR from BOEE)	Person who performs activities requiring substantial specialized judgment and skill in the observation, care, and counsel of ill and injured persons, and in illness prevention. The person filling this position <u>DOES NOT</u> hold an SPR with the Board of Educational Examiners.	143
Health Assistant	Person, without a health license, employed and educated to function in an assistive role to the registered nurse (RN). The school HA provides health services delegated by a RN and in according with their job description. The health service(s) may be for an individual student or a group of students as specified school procedures.	144
Recruiters	Person responsible for identifying and recruiting children as eligible for the Migrant Education Program.	151
District Wide Administrative Support	Person who provides direct support to the District/System/AEA administrators. This would include business office support, data processing, secretarial and other clerical staff.	152
School Administrative Support	Person whose activities are concerned with support of the teaching and administrative duties of the office of the principal. This would include clerical staff and secretaries at the building level as well as anyone.	153
Food Service Director		163
Transportation Director		167
Operations and Maintenance Director		168
Pupil Transportation	Person involved with conveying students to and from school, including vehicle operation and maintenance. Supervisors should be reported under other student support.	171
Transportation - Other than pupil transportation	Persons involved with transportation other than pupil transportation, including staff pool vehicles.	175

**SIF PROFILE MAPPINGS**

<b>OtherCode (Non-Teacher Codes)</b>	<b>Full Description</b>	<b>Code</b>
Operations and Maintenance	Person involved with keeping the physical building open, comfortable and safe for use and with keeping grounds, buildings, and equipment in effective working condition and state of repair, and with keeping the building clean and ready for daily use and the care and maintenance of vehicles other than those used for student transportation. Supervisors should be reported under other support services.	181
Security	Person involved with maintaining a secure environment for students and staff. Include campus police, security guards and school crossing guards.	191
Day Care Worker	Persons involved with daycare services provided by the district. Does not include Supervisors.	192

**A.4.2.8-3 StaffAssignment – TeachingAssignment / OtherCodeList / OtherCode (BEDS Assignment)**

<b>Definition</b>	<b>Code</b>	<b>Definition</b>	<b>Code</b>
<b>ENGLISH LANGUAGE AND LITERATURE</b>			
English/Lang Arts I (9th grade)	01001	Literature - Other	01099
English/Lang Arts II (10th grade)	01002	Eng/Comp (9th and 10th)	01101
English/Lang Arts III (11th grade)	01003	Eng/Comp (11th and 12th)	01102
English/Lang Arts IV (12th grade)	01004	Composition	01103
AP English Lang and Comp	01005	Creative Writing	01104
AP English Lit and Comp	01006	Research/Tech Writing	01105
IB Language A (English)	01007	Composition - IS	01147
English as a Second Lang	01008	Composition - Workplace Exp	01148
Lang Arts Lab	01009	Composition - Other	01149
Eng/Literature (9th and 10th)	01051	Public Speaking	01151
Eng/Literature (11th and 12th)	01052	Forensic Sp - Inclusive	01152
Literature	01053	Forensic Sp - Debate	01153
American Literature	01054	Forensic Sp - Individual Even	01154
American Literature/History	01055	Communications	01155
British Literature	01056	App Eng and Communications	01156
British Literature/History	01057	Speech - IS	01197
World Literature	01058	Speech - Workplace Exp	01198
Biblical Literature	01059	Speech – Other	01199
Literature of an Author	01060	Eng Morphology and Grammar	01201
Literature of a Genre	01061	History of Eng Lang	01202
Literature of a Period	01062	Eng - Test Prep	01203
Literature of a Place	01063	Eng Proficiency Develop	01992
Literature of a People	01064	Eng Lang and Lit - Aide	01995

**SIF PROFILE MAPPINGS**

Definition	Code		Definition	Code
Literature of a Theme	01065		Eng Lang and Lit – IS	01997
Strategic Reading	01066		Eng Lang and Lit - Workplace Exp	01998
Assisted Reading	01067		Eng Lang and Lit – Other	01999
Corrective Reading	01068			
Literature - IS	01097			
Literature Workplace Exp	01098			
<b>MATHEMATICS</b>				
Informal Math	02001		Calc	02121
General Math	02002		Multivariate Calc	02122
Particular Topics in Foundation Math	02003		Differential Calc	02123
Foundation Math - IS	02047		AP Calc AB	02124
Foundation Math - Other	02049		AP Calc BC	02125
Pre-Algebra	02051		Particular Topics in Calc	02126
Algebra I	02052		IB Math Studies	02131
Algebra I - Part 1	02053		IB Math	02132
Algebra I - Part 2	02054		IB Math and Computing - SL	02133
Transition Algebra	02055		IB Further Math - SL	02134
Algebra II	02056		Particular Topics in Analytic Math	02141
Algebra III	02057		Analytic Mathematics - Other	02149
Particular Topics in Algebra	02058		General Applied Math	02151
Integrated Math - multi-year equivalent	02061		Occupationally Applied Math	02152
Algebra - Other	02069		Technical Math	02153
Informal Geometry	02071		Business Math	02154
Geometry	02072		Business Math w/ Algebra	02155
Analytic Geometry	02073		Computer Math / Algebra	02156
Principles of Algebra and Geometry	02074		Consumer Math	02157
Particular Topics in Geometry	02075		Probability and Stats	02201
Geometry - Other	02079		Inferential Probability and Stats	02202
Number Theory	02101		AP Stats	02203
Discrete Math	02102		Particular Topics in Probability and Stats	02204
Trig	02103		Probability and Stats - IS	02207
Math Analysis	02104		Probability and Stats - Other	02209
Trig/Math Analysis	02105		History of Math	02991
Trig/Algebra	02106		Math - Test Prep	02993
Trig/Analytic Geometry	02107		Math - Proficiency Develop	02994
Math Analysis/Analytic Geometry	02108		Math - Aide	02995

**SIF PROFILE MAPPINGS**

Definition	Code		Definition	Code
Elem Functions	02109		Math - IS	02997
Pre-Calc	02110		Math - Workplace Exp	02998
Linear Algebra	02111		Math - Other	02999
Linear Programming	02112			
Abstract Algebra	02113			
<b>LIFE AND PHYSICAL SCIENCES</b>				
Earth Science	03001		IB Chemistry	03107
Geology	03002		Particular Topics in Chemistry	03108
Environmental Science	03003		Chemistry - IS	03147
Astronomy	03004		Chemistry - Workplace Exp	03148
Marine Science	03005		Chemistry - Other	03149
Meteorology	03006		Physics	03151
Physical Geog	03007		Physics - Adv	03152
Earth and Space Science	03008		Principles of Tech	03153
Earth Science - IS	03047		AP Physics B	03155
Earth Science - Workplace Exp	03048		AP Physics C	03156
Earth Science - Other	03049		IB Physics	03157
Biology	03051		Physical Science	03159
Biology - Adv	03052		IB Physical Science	03160
Anatomy and Physiology	03053		Conceptual Physics	03161
Anatomy	03054		Particular Topics in Physics	03162
Physiology	03055		Physics - IS	03197
AP Biology	03056		Physics - Workplace Exp	03198
IB Biology	03057		Physics - Other	03199
Botany	03058		Integrated Science	03201
Genetics	03059		Unified Science	03202
Microbiology	03060		App Bio/Chemistry	03203
Zoology	03061		Science Technology/Engineering	03204
Conceptual Biology	03062		Origins of Science	03205
Particular Topics in Biology	03063		IB Design Tech	03206
Biology - IS	03097		AP Environmental Science	03207
Biology - Workplace Exp	03098		IB Environmental Science	03208
Biology - Other	03099		Aerospace	03209
Chemistry	03101		Science, Tech and Society	03210
Chemistry - Adv	03102		Technical Science	03211
Organic Chemistry	03103		Scientific Research/Design	03212

**SIF PROFILE MAPPINGS**

<b>Definition</b>	<b>Code</b>		<b>Definition</b>	<b>Code</b>
Physical Chemistry	03104		Life and Physical Science - Proficiency Dev	03994
Chemistry in the Community	03105		Life and Physical Science - Lab Asst	03995
AP Chemistry	03106		Life and Physical Science - IS	03997
			Life and Physical Science - Workplace Exp	03998
			Life and Physical Science - Other	03999
<b>SOCIAL SCIENCES AND HISTORY</b>				
World Geography	04001		Legal System	04165
Topics in Geography	04002		Particular Topics in Law	04166
IB Geography	04003		Government, Politics and Law - IS	04197
AP Human Geog	04004		Government, Politics and Law - Workplace Exp	04198
Geog - IS	04047		Government, Politics and Law - Other	04199
Geog - Workplace Exp	04048		Econ	04201
Geog - Other	04049		Comparative Econ	04202
World History - Overview	04051		AP Microeconomics	04203
World History and Geog	04052		AP Macroeconomics	04204
Modern World History	04053		AP Econ	04205
IB History	04054		IB Econ	04206
Modern European History	04055		Particular Topics in Econ	04207
AP European History	04056		Econ - IS	04247
AP World History	04057		Econ - Workplace Exp	04248
Ancient Civilization	04058		Econ - Other	04249
Medieval European History	04059		Anthropology	04251
Ancient and Medieval History	04060		Particular Topics in Anthropology	04252
World Area Studies	04061		IB Social Anthropology	04253
World People Studies	04062		Psych	04254
West Civilization	04063		Particular Topics in Psych	04255
Contemporary World Issues	04064		AP Psych	04256
Particular Topics in World History	04065		IB Psych	04257
IB Islamic History	04066		Soc	04258
World History - IS	04097		Particular Topics in Soc	04259
World History - Workplace Exp	04098		Social Science	04260
World History - Other	04099		Social Science Research	04261
US History - Comp	04101		IB Org Studies	04262
Early US History	04102		Social Sciences - IS	04297
Modern US History	04103		Social Sciences - Workplace Experience	04298
AP US History	04104		Social Sciences - Other	04299

**SIF PROFILE MAPPINGS**

Definition	Code		Definition	Code
State-Specific Studies	04105		Humanities Survey	04301
Contemporary US Issues	04106		Humanities	04302
US Ethnic Studies	04107		Issues of Western Humanities	04303
US Gender Studies	04108		IB Theory of Knowledge	04304
Particular Topics in US History	04109		Social Studies	04305
US History - IS	04147		Philosophy	04306
US History - Workplace Exp	04148		Particular Topics in Philosophy	04307
US History - Other	04149		Modern Intellectual History	04308
US Government - Comp	04151		IB Philosophy	04309
Particular Topics in US Government	04152		Particular Topics in Humanities	04310
Political Science	04153		Humanities - IS	04347
Comparative Government	04154		Humanities - Workplace Experience	04348
International Relations	04155		Humanities - Other	04349
US and World Affairs	04156		Social Science and History - Prof Dev	04994
AP US Government and Politics	04157		Social Science and History - Aide	04995
AP Comparative Government and Politics	04158		Social Science and History - IS	04997
AP Government	04159		Social Science and History - Workplace Exp	04998
Principles of Democracy	04160		Social Science and History - Other	04999
Civics	04161			
Law Studies	04162			
Consumer Law	04163			
Business Law	04164			
<b>FINE AND PERFORMING ARTS</b>				
Dance Technique	05001		Music History	05117
Dance Rep	05002		Music Appreciation	05118
Expressive Movement	05003		Composition/songwriting	05119
Dance Appreciation	05004		Music - IS	05147
Choreography	05005		Music - Workplace Exp	05148
Dance - IS	05047		Music - Other	05149
Dance - Workplace Exp	05048		Art Appreciation	05151
Dance - Other	05049		Art History	05152
Intro to Theater	05051		AP Art - History of Art	05153
Theatre Arts	05052		Creative Art - Comp	05154
Drama - Comp	05053		Creative Art - Drawing/Painting	05155
Exploration in Drama	05054		Creative Art - Drawing	05156
Drama - Acting/Performance	05055		Creative Art - Painting	05157

**SIF PROFILE MAPPINGS**

Definition	Code	Definition	Code
Drama - Stagecraft	05056	Creative Art - Sculpture	05158
Directing	05057	Ceramics/Pottery	05159
Playwriting	05058	Printmaking/Graphics	05160
History and Lit of Theater	05059	Printmaking	05161
Drama/Stagecraft - IS	05097	Graphic Design	05162
Drama - Workplace Exp	05098	Advertising Design	05163
Drama/Stagecraft - Other	05099	Textiles	05164
General Band	05101	Crafts	05165
Concert Band	05102	Jewelry	05166
Marching Band	05103	Photography	05167
Orchestra	05104	Film/Videotape	05168
Contemporary Band	05105	Computer Assisted Art	05169
Instrumental Ensembles	05106	Art Portfolio	05170
Piano	05107	AP Studio Art - General Portfolio	05171
Guitar	05108	AP Studio Art - Drawing Portfolio	05172
Individual Technique - Instrumental Music	05109	IB Art/Design	05173
Chorus	05110	Visual Arts - IS	05197
Vocal Ensembles	05111	Visual Arts - Workplace Exp	05198
Individual Technique - Vocal Music	05112	Visual Arts - Other	05199
Music Theory	05113	Integrated Fine Arts	05201
AP Music Theory	05114	Fine and Performing Art - Aide	05995
IB Music	05115	Fine and Performing Art - IS	05997
Music History/Appreciation	05116	Fine and Performing Art - Workplace Exp	05998
		Fine and Performing Art - Other	05999
<b>FOREIGN LANGUAGE AND LITERATURE</b>			
Spanish	06100	Vietnamese Field Exp	06507
Spanish for Native Speakers	06106	Vietnamese Conversation and Culture	06508
Spanish Field Exp	06107	Vietnamese Lit	06509
Spanish Conversation and Culture	06108	IB Lang A (non-English) - Vietnamese	06510
Spanish Lit	06109	IB Lang B - Vietnamese	06511
IB Lang A (non-Eng) - Span	06110	Filipino	06520
IB Lang B - Spanish	06111	Filipino for Native Speakers	06526
AP Spanish Lang	06112	Filipino Field Exp	06527
AP Spanish Lit	06113	Filipino Conversation and Culture	06528
French	06120	Filipino Lit	06529
French for Native Speakers	06126	IB Lang A (non-English) - Filipino	06530

**SIF PROFILE MAPPINGS**

Definition	Code	Definition	Code
French Field Exp	06127	IB Lang B - Filipino	06531
French Conversation and Culture	06128	Southeast Asian Lang	06580
French Lit	06129	Southeast Asian Lang for Native Speakers	06586
IB Lang A (non-Eng) - French	06130	Southeast Asian Lang Field Exp	06587
IB Lang B - French	06131	Southeast Asian Lang Conversation and Culture	06588
AP French Lang	06132	Southeast Asian Lit	06589
AP French Lit	06133	IB Lang A (non-English) - Southeast Asian Lang	06590
Italian	06140	IB Lang B - Southeast Asian Lang	06591
Italian for Native Speakers	06146	Southeast Asian Lang - Other	06599
Italian Field Exp	06147	Russian	06600
Italian Conversation and Culture	06148	Russian for Native Speakers	06606
Italian Lit	06149	Russian Field Exp	06607
IB Lang A (non-Eng) - Italian	06150	Russian Conversation and Culture	06608
IB Lang B - Italian	06151	Russian Lit	06609
Portuguese	06160	IB Lang A (non-English) - Russian	06610
Portuguese for Native Speakers	06166	IB Lang B - Russian	06611
Portuguese Field Exp	06167	Balto-Slavic Lang	06640
Portuguese Conversation and Culture	06168	Balto-Slavic Lang for Native Speakers	06646
Portuguese Lit	06169	Balto-Slavic Lang Field Exp	06647
IB Lang A (non-Eng) - Portuguese	06170	Balto-Slavic Lang Conversation and Culture	06648
IB Lang B - Portuguese	06171	Balto-Slavic Lit	06649
Romance/Italic Lang	06180	IB Lang A (non-English) - Balto-Slavic Lang	06650
Romance/Italic for Native Speakers	06186	IB Lang B - Balto-Slavic Lang	06651
Romance/Italic Field Exp	06187	Balto-Slavic Lang - Other	06659
Romance/Italic Conversation and Culture	06188	Turkic/Ural-Altai Lang	06660
Romance/Italic Lit	06189	Turkic/Ural-Altai Lang for Native Speakers	06666
IB Lang A (non-English) - Romance/Italic	06190	Turkic/Ural-Altai Lang Field Exp	06667
IB Lang B - Romance/Italic	06191	Turkic/Ural-Altai Lang Conversation and Culture	06668
Romance/Italic Lang Other	06199	Turkic/Ural-Altai Lit	06669
German	06200	IB Lang A (non-English) - Turkic/Ural-Altai Lang	06670
German for Native Speakers	06206	IB Lang B - Turkic/Ural-Altai Lang	06671
German Field Exp	06207	Turkic/Ural-Altai Lang - Other	06679
German Conversation and Culture	06208	Iranian/Persian Lang	06680
German Lit	06209	Iranian/Persian Lang for Native Speakers	06686
IB Lang A (non-English) - German	06210	Iranian/Persian Lang Field Exp	06687
IB Lang B - German	06211	Iranian/Persian Lang Conversation and Culture	06688

**SIF PROFILE MAPPINGS**

Definition	Code	Definition	Code
AP German Language	06212	Iranian/Persian Lit	06689
Germanic Lang	06240	IB Lang A (non-English) - Iranian/Persian Lang	06690
Germanic Lang for Native Speakers	06246	IB Lang B - Iranian/Persian Lang	06691
Germanic Lang Field Exp	06247	Iranian/Persian Lang - Other	06699
Germanic Lang Conversation and Culture	06248	Hebrew	06700
Germanic Lit	06249	Hebrew for Native Speakers	06706
IB Lang A (non-English) - Germanic Lang	06250	Hebrew Field Exp	06707
IB Lang B - Germanic Lang	06251	Hebrew Conversation and Culture	06708
Germanic Lang - Other	06259	Hebrew Lit	06709
Celtic Lang	06260	IB Lang A (non-English) - Hebrew	06710
Celtic Lang for Native Speakers	06266	IB Lang B - Hebrew	06711
Celtic Lang Field Exp	06267	IB Classical Lang - Hebrew	06712
Celtic Lang Conversation and Culture	06268	Arabic	06720
Celtic Lit	06269	Arabic for Native Speakers	06726
IB Lang A (non-English) - Celtic Lang	06270	Arabic Field Exp	06727
IB Lang B - Celtic Lang	06271	Arabic Conversation and Culture	06728
Celtic Lang - Other	06279	Arabic Lit	06729
Greek	06280	IB Lang A (non-English) - Arabic	06730
Greek for Native Speakers	06286	IB Lang B - Arabic	06731
Greek Field Exp	06287	IB Classical Lang - Arabic	06732
Greek Conversation and Culture	06288	Semitic and Near/Middle Eastern Lang - Other	06759
Greek Lit	06289	Swahili	06760
IB Lang A (non-English) - Greek	06290	Swahili for Native Speakers	06766
IB Lang B - Greek	06291	Swahili Field Exp	06767
Greek - Other	06299	Swahili Conversation and Culture	06768
Latin	06300	Swahili Lit	06769
IB Classical Lang - Latin	06311	IB Lang A (non-English) - Swahili	06770
AP Latin (Virgil, Catullus, and Horace)	06313	IB Lang B - Swahili	06771
Classical Greek	06320	Non Semitic African Lang	06780
IB Classical Lang - Greek	06331	Non Semitic African Lang for Native Speakers	06786
Classical Lang - Other	06359	Non Semitic African Lang Field Exp	06787
Chinese	06400	Non Semitic African Lang Conversation and Culture	06788
Chinese for Native Speakers	06406	Non Semitic African Lit	06789
Chinese Field Exp	06407	IB Lang A (non-English) - Non Semitic African Lang	06790
Chinese Conversation and Culture	06408	IB Lang B - Non Semitic African Lang	06791
Chinese Lit	06409	African (Non Semitic) Lang - Other	06799

**SIF PROFILE MAPPINGS**

Definition	Code	Definition	Code
IB Lang A (non-English) - Chinese	06410	American Sign Lang	06800
IB Lang B - Chinese	06411	American Sign Lang - Other	06819
Japanese	06420	American Indian Lang	06820
Japanese for Native Speakers	06426	American Indian Lang for Native Speakers	06826
Japanese Field Exp	06427	American Indian Lang Field Exp	06827
Japanese Conversation and Culture	06428	American Indian Lang Conversation and Culture	06828
Japanese Lit	06429	American Indian Lit	06829
IB Lang A (non-English) - Japanese	06430	IB Lang A (non-English) - American Indian Lang	06830
IB Lang B - Japanese	06431	IB Lang B - American Indian Lang	06831
Korean	06440	American Indian Lang - Other	06839
Korean for Native Speakers	06446	Indic Lang	06840
Korean Field Exp	06447	Indic Lang for Native Speakers	06846
Korean Conversation and Culture	06448	Indic Lang Field Exp	06847
Korean Lit	06449	Indic Lang Conversation and Culture	06848
IB Lang A (non-English) - Korean	06450	Indic Lit	06849
IB Lang B - Korean	06451	IB Lang A (non-English) - Indic Lang	06850
East Asian Lang	06480	IB Lang B - Indic Lang	06851
East Asian Lang for Native Speakers	06486	Indic Lang - Other	06859
East Asian Lang Field Exp	06487	Malayo-Polynesian Lang	06861
East Asian Lang Conversation and Culture	06488	Malayo-Polynesian Lang for Native Speakers	06866
East Asian Lit	06489	Malayo-Polynesian Lang Field Exp	06867
IB Lang A (non-English) - East Asian Lang	06490	Malayo-Polynesian Lang Conversation and Culture	06868
IB Lang B - East Asian Lang	06491	Malayo-Polynesian Lit	06869
East Asian Lang - Other	06499	IB Lang A (non-English) - Malayo-Polynesian Lang	06870
Vietnamese	06500	IB Lang B - Malayo-Polynesian Lang	06871
Vietnamese for Native Speakers	06506	Malayo-Polynesian Lang - Other	06879
		Foreign Lang and Lit - Aide	06995
		Foreign Language and Lit—Independent Study	06997
		Foreign Lang and Lit - Workplace Exp	06998
		Foreign Lang and Lit - Other	06999
<b>RELIGIOUS EDUCATION AND THEOLOGY</b>			
Religious Foundations	07001	Prayer and Spirituality	07012
Comparative Religion	07002	Religious Ethics and Morality	07013
Eastern Religions	07003	Justice, Peace, and Faith	07014
Western Religions	07004	Faith and Lifestyle	07015
Scriptures	07005	Ministry	07016

**SIF PROFILE MAPPINGS**

<b>Definition</b>	<b>Code</b>		<b>Definition</b>	<b>Code</b>
Old Testament	07006		Religious Ed and Theology - Aide	07995
New Testament	07007		Religious Ed and Theology - IS	07997
Bible History	07008		Religious Ed and Theology - Workplace Exp	07998
Christology	07009		Religious Ed and Theology - Other	07999
Religious Figures	07010			
Liturgy and Prayer	07011			
<b>PHYSICAL, HEALTH, AND SAFETY EDUCATION</b>				
Physical Ed	08001		Community Health	08053
Team Sports	08002		Special Needs Health Ed	08054
Individual/Dual Sports	08003		Safety and First Aid	08055
Recreation Sports	08004		Health for Parenting Teens	08056
Fitness/Conditioning	08005		Health and Life Mgmt	08057
Corps Movement	08006		Substance Abuse Prevention	08058
Adapted Phy Ed	08007		Health Education - IS	08097
Gymnastics	08008		Health Education - Workplace Experience	08098
Weight Training	08009		Health Ed - Other	08099
Aquatic/Water Sports	08010		Drivers' Ed - Classroom Only	08151
Tennis	08011		Drivers' Ed - Classroom and Lab	08152
Self-defense	08012		Driver's Education - IS	08197
Specific Sports Activities	08013		Driver's Education - Workplace Experience	08198
Phy Ed Equivalent	08014		Driver's Education - Other	08199
Off-Campus Sports	08015		Physical Education/Health/Drivers' Education	08201
Lifetime Fitness Ed	08016		Physical, Health, and Safety Education - Aide	08995
Sports Physiology	08017		Physical, Health, and Safety Education - IS	08997
Phy Ed - IS	08047		Physical, Health, and Safety Education - Work Exp	08998
Phy Ed - Workplace Exp	08048		Physical, Health, and Safety Education - Other	08999
Phy Ed - Other	08049			
Health Ed	08051			
Health and Fitness	08052			
<b>MILITARY SCIENCE</b>				
Intro to Jr ROTC	09001		Marine Corps Jr ROTC I	09201
Military Jr ROTC - unspecified branch	09002		Marine Corps Jr ROTC II	09202
ROTC Drill	09003		Marine Corps Jr ROTC III	09203
Military Leadership	09004		Marine Corps Jr ROTC IV	09204
Army Jr ROTC I	09051		Military Science - Aide	09995
Army Jr ROTC II	09052		Military Science - IS	09997

**SIF PROFILE MAPPINGS**

Definition	Code	Definition	Code
Army Jr ROTC III	09053	Military Science - Workplace Exp	09998
Army Jr ROTC IV	09054	Military Science - Other	09999
Navy Jr ROTC I	09101		
Navy Jr ROTC II	09102		
Navy Jr ROTC III	09103		
Navy Jr ROTC IV	09104		
Air Force Jr ROTC I	09151		
Air Force Jr ROTC II	09152		
Air Force Jr ROTC III	09153		
Air Force Jr ROTC IV	09154		
<b>COMPUTER AND INFORMATION SCIENCES</b>			
Intro to Computers	10001	Java Programming	10155
Computing Systems	10002	Computer Programming - Other Lang	10156
Computer and Info Tech	10003	AP Computer Science A	10157
Computer Applications	10004	AP Computer Science AB	10158
Business Computer Applications	10005	IB Computing Studies	10159
Telecommunications	10006	Particular Topics in Computer Programming	10160
IB Information Tech in Global Society	10007	Computer Programming - IS	10197
Particular Topics in Computer Literacy	10008	Computer Programming - Workplace Exp	10198
Computer Literacy - IS	10047	Computer Programming - Other	10199
Computer Literacy - Workplace Exp	10048	Web Page Design	10201
Computer Literacy - Other	10049	Computer Graphics	10202
Information Mgmt	10051	Interactive Media	10203
Database Mgmt and Data Warehousing	10052	Particular Topics in Media Tech	10204
Database Applications	10053	Media Tech - IS	10247
Data Systems/Processing	10054	Media Tech - Workplace Exp	10248
Particular Topics in Mgmt and Info Systems	10055	Media Tech - Other	10249
Mgmt Info Systems - IS	10097	Computer Tech	10251
Mgmt Info Systems - Workplace Exp	10098	Computer Maintenance	10252
Mgmt Info Systems - Other	10099	Information Support and Services	10253
Network Tech	10101	IT Essentials: PC Hardware and Software	10254
Networking Systems	10102	CISCO - PNIE	10255
Area Network Design and Protocols	10103	Particular Topics in Info Support and Services	10256
Router Basics	10104	Info Support and Services - IS	10297
NetWare Routing	10105	Info Support and Services - Workplace Exp	10298
Wide Area Telecomm and Networking	10106	Info Support and Services - Other	10299

**SIF PROFILE MAPPINGS**

Definition	Code		Definition	Code
Wireless Networks	10107		Computer and Info Sciences - Aide	10995
Network Security	10108		Computer and Info Sciences - IS	10997
Essentials of Network Operating Systems	10109		Computer and Info Sciences - Workplace Exp	10998
Microsoft Certified Prof (MCP)	10110		Computer and Info Sciences - Other	10999
Particular Topics in Networking Systems	10111			
Networking Systems - IS	10147			
Networking Systems - Workplace Exp	10148			
Networking Systems - Other	10149			
Business Programming	10151			
Computer Programming	10152			
Visual Basic (VB) Programming	10153			
C++ Programming	10154			
<b>COMMUNICATION AND AUDIO/VISUAL TECHNOLOGY</b>				
Intro to Communication	11001		Particular Topics in Journalism and Broadcasting	11105
Communication Tech	11002		Journalism and Broadcasting - IS	11147
Particular Topics in Communication	11003		Journalism and Broadcasting - Workplace Exp	11148
Communication - IS	11047		Journalism and Broadcasting - Other	11149
Communication - Workplace Exp	11048		Digital Media Tech	11151
Communication - Other	11049		Desktop Publishing	11152
Audio/Visual Production	11051		Digital Media Design and Prod	11153
Commercial Photography	11052		Commercial Graphic Design	11154
Photographic Lab and Darkroom	11053		Graphic Tech	11155
Photo Imaging	11054		Photography and Printing Tech	11156
Video	11055		Photoengraving	11157
Particular Topics in Audio/Visual Tech and Film	11056		Print Press Operations	11158
Audio/Visual - IS	11097		Particular Topics in Printing Tech and Prod	11159
Audio/Visual - Workplace Exp	11098		Printing Tech - IS	11197
Journalism	11101		Printing Tech - Workplace Exp	11198
Photojournalism	11102		Printing Tech - Other	11199
Broadcasting Tech	11103		Communication and Audio/Visual Tech - Aide	11995
Publication Prod	11104		Communication and A/V Tech - IS	11997
			Communication and A/V Tech - Workplace Exp	11998
			Communication and A/V Tech - Other	11999
<b>BUSINESS AND MARKETING</b>				
Business/Office Career Exploration	12001		Finance - IS	12147
Office Procedures - Comp	12002		Finance - Workplace Exp	12148

**SIF PROFILE MAPPINGS**

Definition	Code		Definition	Code
Office and Admin Tech	12003		Finance - Other	12149
Office Services	12004		Marketing Career Exploration	12151
Keyboarding	12005		Marketing - Comp	12152
Word Processing	12006		Marketing - Fashion	12153
Recordkeeping	12007		Marketing - Real Estate	12154
Particular Topics in Admin	12008		Marketing - Transportation	12155
Business Communications	12009		Marketing - Food/Beverage	12156
Admin - IS	12047		Marketing - Insurance	12157
Admin - Workplace Exp	12048		Marketing - Floristry	12158
Admin - Other	12049		Marketing - Hospitality/Tourism	12159
Introductory Business	12051		Marketing - Merchandising	12160
Business Mgmt	12052		Retail Marketing	12161
Entrepreneurship	12053		Internet Marketing	12162
Business Law	12054		Sports and Entertainment Marketing	12163
Business Principles and Mgmt	12055		Principles of Marketing	12164
International Business and Marketing	12056		Principles of Advertising	12165
Human Resources and Labor Relations	12057		Marketing Mgmt	12166
Human Resources Mgmt	12058		Marketing - Other Specialization	12167
IB Business and Mgmt	12059		Marketing - IS	12197
Mgmt - IS	12097		Marketing - Workplace Exp	12198
Mgmt - Workplace Exp	12098		Marketing - Other	12199
Mgmt - Other	12099		Cashier/Checker Operations	12201
Banking and Finance	12101		Principles of Selling	12202
Banking	12102		Sales - IS	12247
Finance	12103		Sales - Workplace Exp	12248
Accounting	12104		Sales - Other	12249
Business Econ	12105		Business and Marketing - Aide	12995
Risk Mgmt and Insurance	12106		Business and Marketing - IS	12997
Investing	12107		Business and Marketing - Workplace Exp	12998
			Business and Marketing - Other	12999
<b>MANUFACTURING</b>				
Exploration of Manufacturing Occupations	13001		Particular Topics in Sheet Metal	13206
Manufacturing - Comp	13002		Welding	13207
Industrial Arts	13003		Particular Topics in Welding	13208
Industrial Safety/First Aid	13004		Particular Topics in Metalwork	13209
Material and Processes	13052		Metalwork - IS	13247

**SIF PROFILE MAPPINGS**

Definition	Code		Definition	Code
Metal and Wood Processing/Production	13053		Metalwork - Workplace Exp	13248
Wood Processing/Prod	13054		Metalwork - Other	13249
Metal Processing/Prod	13055		Appliance Repair	13301
Plastics Processing/Prod	13056		Equipment Maintenance and Repair	13302
Ceramic Processing/Prod	13057		Repair - IS	13347
Particular Topics in Processing and Prod	13058		Repair - Workplace Exp	13348
Processing/Prod - IS	13097		Repair - Other	13349
Processing/Prod - Workplace Exp	13098		Manufacturing - Aide	13995
Processing/Prod - Other	13099		Manufacturing - IS	13997
Prod Systems	13101		Manufacturing - Workplace Exp	13998
Electro-Mechanical Systems	13102		Manufacturing - Other	13999
Product Development	13103			
Production Systems - IS	13147			
Production Systems - Workplace Exp	13148			
Production Systems - Other	13149			
Metalwork Occupations	13201			
Metalworking	13202			
Machining	13203			
Particular Topics in Machining	13204			
Sheet Metal	13205			
<b>HEALTH CARE SCIENCES</b>				
Exploration of Health Care Occupations	14001		Medical Terminology	14154
Health Care Occupations - Comp	14002		Particular Topics in Health Info	14155
Nursing	14051		Health Info - IS	14197
Nursing -LPN	14052		Health Info - Workplace Exp	14198
Home Health Care	14053		Health Info - Other	14199
Dental Science	14054		Central Service Tech	14201
Emergency Medical Technology	14055		Health Support Services	14202
Surgical Technology	14056		Health Unit Coordination	14203
Vision Care	14057		Particular Topics in Support Services	14204
Optometrics	14058		Health Support Services - IS	14247
Gerontology	14059		Health Support Services - Workplace Exp	14248
Physical therapy	14060		Health Support Services - Other	14249
Respiratory Therapy	14061		Health Science	14251
Care of Athletes	14062		Biotechnology	14252
Particular Topics in Therapeutic Services	14063		Pharmacology	14253

**SIF PROFILE MAPPINGS**

Definition	Code		Definition	Code
Therapeutic Services - IS	14097		Particular Topics in Health Sciences	14254
Therapeutic Services - Workplace Exp	14098		Health Science - IS	14297
Therapeutic Services - Other	14099		Health Science - Workplace Exp	14298
Dental Lab Tech	14101		Health Science - Other	14299
Medical Lab Tech	14102		Health Care Science - Aide	14995
EKG Tech	14103		Health Care Science - IS	14997
Phlebotomy	14104		Health Care Science - Workplace Exp	14998
Particular Topics in Diagnostic Services	14105		Health Care Science - Other	14999
Diagnostic Services - IS	14147			
Diagnostic Services - Workplace Exp	14148			
Diagnostic Services - Other	14149			
Medical/Clerical Assisting	14151			
Pharmacy Assisting	14152			
Medical Office Procedures	14153			
<b>PUBLIC, PROTECTIVE, AND GOVERNMENT SERVICES</b>				
Exploration of Public Service Careers	15001		Particular Topics in Fire Mgmt	15153
Criminal Justice	15051		Fire Mgmt - IS	15197
Corrections	15052		Fire Mgmt - Workplace Exp	15198
Particular Topics in Law Enforcement	15053		Fire Mgmt - Other	15199
Law Enforcement - IS	15097		Public Admin	15201
Law Enforcement - Workplace Exp	15098		Community Protection	15202
Law Enforcement - Other	15099		Public Policy	15203
Public Safety	15101		Gov't Service - IS	15247
Security Services	15102		Gov't Service - Workplace Exp	15248
Particular Topics in Security	15103		Gov't Service - Other	15249
Security and Protection - IS	15147		Public, Protective, and Gov't Service - Aide	15995
Security and Protection - Workplace Exp	15148		Public, Protective, and Gov't Service - IS	15997
Security and Protection - Other	15149		Public, Protective, and Gov't Service - Workplace Exp	15998
Fire Science	15151		Public, Protective, and Gov't Service - Other	15999
Fire Fighting	15152			
<b>HOSPITALITY AND TOURISM</b>				
Exploration of Hospitality Careers	16001		Intro to Travel and Tourism	16151
Exploration of Restaurant, Food and Beverage Service	16051		Travel and Tourism - Comp	16152
Restaurant, Food and Beverage Service - Comp	16052		World Travel and Tourism	16153
Food Service	16053		Eco-Tourism	16154

**SIF PROFILE MAPPINGS**

Definition	Code	Definition	Code
Nutrition and Food Prep	16054	Particular Topics in Travel and Tourism	16155
Restaurant Mgmt and Operations	16055	Travel and Tourism - IS	16197
Culinary Art Specialty	16056	Travel and Tourism - Workplace Exp	16198
Particular Topics in Restaurant, Food and Beverage	16057	Travel and Tourism - Other	16199
Restaurant, Food and Beverage Service - IS	16097	Exploration of Recreation, Amusement and Attractions	16201
Restaurant, Food and Beverage Service - Workplace Exp	16098	Recreation, Amusement and Attract - Comp	16202
Restaurant, Food and Beverage Service - Other	16099	Particular Topics in Recreation, Amusement and Attract	16203
Exploration of Lodging Careers	16101	Recreation, Amusement and Attract - IS	16247
Lodging - Comprehensive	16102	Recreation, Amusement and Attract - Workplace Exp	16248
Institutional Maintenance	16103	Recreation, Amusement and Attract - Other	16249
Particular Topics in Lodging	16104	Hospitality and Tourism - Aide	16995
Lodging - IS	16147	Hospitality and Tourism - IS	16997
Lodging - Workplace Exp	16148	Hospitality and Tourism - Workplace Experience	16998
Lodging - Other	16149	Hospitality and Tourism - Other	16999
<b>ARCHITECTURE AND CONSTRUCTION</b>			
Construction Careers Exploration	17001	Plumbing	17058
Construction - Comp	17002	Plumbing and Heating	17059
Carpentry	17003	Air Conditioning, Heating and Plumbing - IS	17097
Framing Carpentry	17004	Air Conditioning, Heating and Plumbing - Workplace Exp	17098
Particular Topics in Carpentry	17005	Air Conditioning, Heating and Plumbing - Other	17099
Woodworking	17006	Exploration of Electricity/Electronics	17101
Cabinetmaking	17007	Electricity - Comp	17102
Masonry	17008	Residential Wiring	17103
Building Maintenance	17009	Industrial Electricity	17104
Home Maintenance	17010	Particular Topics in Electricity	17105
Wall finishings	17011	Electronics - Comp	17106
Upholstering	17012	Particular Topics in Electronics	17107
General Construction - IS	17047	Electricity/Electronics - General	17108
General Construction - Workplace Exp	17048	Particular Topics in Electricity/Electronics	17109
General Construction - Other	17049	Analog and Digital Circuits	17110
Air Conditioning	17051	Analog Circuits	17111

**SIF PROFILE MAPPINGS**

Definition	Code	Definition	Code
Refrigeration	17052	Digital Circuits	17112
Heating	17053	Electricity/Electronics - IS	17147
Air Condition / Refrigeration	17054	Electricity/Electronics - Workplace Exp	17148
Air Conditioning, Heating and Refrigeration	17055	Electricity/Electronics - Other	17149
Heating, Ventilation and Air Conditioning	17056	Architecture and Construction - Aide	17995
Particular Topics in HVACR	17057	Architecture and Construction - IS	17997
		Architecture and Construction - Workplace Exp	17998
		Architecture and Construction - Other	17999
<b>AGRICULTURE, FOOD, AND NATURAL RESOURCES</b>			
Intro to Ag and Natural Resources	18001	Ag Biotech	18308
Ag - Comp	18002	Particular Topics in Ag Prod/Processing	18309
Ag and Natural Resources - Comp	18003	Ag Prod and Processing - IS	18347
Plant Production/Science	18051	Ag Prod and Processing - Workplace Exp	18348
General Horticulture	18052	Ag Prod and Processing - Other	18349
Ornamental Horticulture	18053	Ag Mechanics/Equipment/Structures	18401
Turf and Landscape Mgmt	18054	Ag Mechanics and Equipment	18402
Soil Science	18055	Ag Structures	18403
Particular Topics in Plant Systems	18056	Ag Welding	18404
Plant Systems - IS	18097	Particular Topics in Ag Mechanics and Construction	18405
Plant Systems - Workplace Exp	18098	Ag Mechanics and Construction - IS	18447
Plant Systems - Other	18099	Ag Mechanics and Construction - Workplace Exp	18448
Animal Production Science	18101	Ag Mechanics and Construction - Other	18449
Small Animal Care	18102	Wildlife Mgmt	18501
Large Animal Care	18103	Forestry	18502
Equine Science	18104	Forestry Harvesting	18503
Vet Science	18105	Natural Resources Mgmt	18504
Particular Topics in Animal Systems	18106	Particular Topics in Natural Resources	18505
Animal Systems - IS	18147	Natural Resources - IS	18547
Animal Systems - Workplace Exp	18148	Natural Resources - Workplace Exp	18548
Animal Systems - Other	18149	Natural Resources - Other	18549
Agribusiness Mgmt	18201	Ag, Food and Nat Resources - Aide	18995
Ag Entrepreneurship	18202	Ag, Food and Nat Resources - IS	18997
Ag Leadership	18203	Ag, Food and Nat Resources - Workplace Exp	18998
Particular Topics in Agribusiness	18204	Ag, Food and Nat Resources - Other	18999
Agribusiness - IS	18247		
Agribusiness - Workplace Exp	18248		

**SIF PROFILE MAPPINGS**

Definition	Code		Definition	Code
Agribusiness - Other	18249			
Ag Prod	18301			
Ag Processing	18302			
Plant Processing	18303			
Animal Processing	18304			
Food Product Processing	18305			
Aquaculture	18306			
Ag and Society	18307			
<b>HUMAN SERVICES</b>				
Human Services Career Exploration	19001		Ed - IS	19197
Child Care	19051		Ed - Workplace Exp	19198
Child Development	19052		Ed - Other	19199
Elder Care	19053		Clothing and Textiles	19201
Caregiving Service	19054		Clothing/Textile Maintenance	19202
Particular Topics in Child and Elder Care	19055		Apparel Construction	19203
Child and Elder Care - IS	19097		Apparel and Textile Services	19204
Child and Elder Care - Workplace Exp	19098		Home Furnishing	19205
Child and Elder Care - Other	19099		Home Furnishing Prod	19206
Cosmetology - Licensing	19101		Particular Topics in Apparel and Furnishings	19207
Barbering	19102		Apparel and Furnishings - IS	19247
Hair Styling	19103		Apparel and Furnishings - Workplace Exp	19248
Cosmetology - Non-licensing	19104		Apparel and Furnishings - Other	19249
Cosmetology - Nail Specialization	19105		Human Services - Aide	19995
Cosmetology - Facial Specialization	19106		Human Services - IS	19997
Particular Topics in Cosmetology	19107		Human Services - Workplace Exp	19998
Cosmetology - IS	19147		Human Services - Other	19999
Cosmetology - Workplace Exp	19148			
Cosmetology - Other	19149			
Teaching Profession	19151			
Educational Methodology	19152			
Early Childhood Ed	19153			
Particular Topics in Ed	19154			
<b>TRANSPORTATION, DISTRIBUTION, AND LOGISTICS</b>				
Exploration of Transp, Dist and Logistics	20001		Heavy Equipment Mechanics	20112
Truck and Bus Driving	20051		Aircraft Power Plant	20113
Heavy Equipment Operation	20052		Aircraft Airframe	20114

**SIF PROFILE MAPPINGS**

Definition	Code	Definition	Code
Aviation	20053	Automotive Detailing and Reconditioning	20115
Boat Operation	20054	Automotive Body Repair and Refinishing - Comp	20116
Operation - IS	20097	Particular Topics in Automotive Body Repair/Refinishing	20117
Operation - Workplace Exp	20098	Boat Repair/Refinishing	20118
Operation - Other	20099	Mechanics and Repair - IS	20147
Energy/Power	20101	Mechanics and Repair - Workplace Exp	20148
Power and Mechanics	20102	Mechanics and Repair - Other	20149
Intro to Automobiles	20103	Distribution - Comp	20151
Automotive Mechanics - Comp	20104	Warehouse Operations	20152
Particular Topics in Automotive Mechanics	20105	Distribution and Logistics - IS	20197
Automotive Service	20106	Distribution and Logistics - Workplace Exp	20198
Diesel Mechanics - Comp	20107	Distribution and Logistics - Other	20199
Particular Topics in Diesel Mechanics	20108	Transportation, Dist and Logistics - Aide	20995
Small Vehicle Mechanics	20109	Transportation, Dist and Logistics - IS	20997
Small Engine Mechanics	20110	Transportation, Dist and Logistics - Workplace Exp	20998
Marine Mechanics	20111	Transportation, Dist and Logistics - Other	20999
<b>ENGINEERING AND TECHNOLOGY</b>			
Pre-Engineering Tech	21001	Aerospace Tech	21055
Engineering Applications	21002	Particular Topics in Tech Applications	21056
Engineering Tech	21003	Technology - IS	21097
Principles of Engineering	21004	Technology - Workplace Exp	21098
Engineering - Comp	21005	Technology - Other	21099
Engineering Design	21006	Drafting Careers Exploration	21101
Engineering Design and Development	21007	Drafting - General	21102
Digital Electronics	21008	Drafting - Architectural	21103
Robotics	21009	Drafting - Civil/Structural	21104
Computer Integrated Mfg	21010	Drafting - Electrical/Electronic	21105
Civil Engineering	21011	Drafting - Technical/Mechanical	21106
Civil Engineering and Architecture	21012	CAD Design and Software	21107
Aerospace Engineering	21013	Blueprint Reading	21108
Biotechnical Engineering	21014	Drafting - IS	21147
Particular Topics in Engineering	21015	Drafting - Workplace Exp	21148
Engineering - IS	21047	Drafting - Other	21149
Engineering - Workplace Exp	21048	Engineering and Technology - Aide	21995
Engineering - Other	21049	Engineering and Technology - IS	21997

**SIF PROFILE MAPPINGS**

Definition	Code		Definition	Code
Technological Literacy	21051		Engineering and Technology - Workplace Exp	21998
Technological Processes	21052		Engineering and Technology - Other	21999
Emerging Technologies	21053			
Tech Innovation and Assessment	21054			
<b>MISCELLANEOUS</b>				
Standardized Test Preparation	22001		Communication Instruction	22252
State Test Preparation	22002		Social Development Instruction	22253
Study Skills	22003		Developmental Support	22254
Dropout Prevention Program	22004		Miscellaneous - Aide	22995
Tutorial	22005		Miscellaneous - IS	22997
Study Hall	22006		Miscellaneous - Workplace Exp	22998
Office Aide	22051		Miscellaneous - Other	22999
Guidance Aide	22052			
Library/AVC Aide	22053		At-Risk/Alternative School	30001
Tutoring Practicum	22054		Home School	30004
Leadership	22101		Talented and Gifted	30006
School Orientation	22102		Guidance	30010
School Government	22103		Library/Media Center	30020
Community Service	22104		Hospital/Homebound	30048
Values Clarification	22105			
Seminar	22106		Hearing Impaired Person who helps instruct students who have hearing impairments to communicate their needs manually, verbally, or in writing.	80002
Career Exploration	22151		Visually Impaired Person who helps instruct students who have visual impairments to communicate their needs manually, verbally, or in writing.	80009
Employability Skills	22152		5-12 Special Education (Mild/Moderate)	80010
Diversified Occupations	22153		Early Childhood Special Education Early Childhood setting that has a Special Education focus.	80011
Family and Consumer Science - Comp	22201		K-8 Special Education (Mild/Moderate)	80012
Food and Nutrition	22202		K-12 Special Education - Self Contained - MD	80013
Food Science	22203		K-12 Special Education - Self Contained - BD/LD	80014
Child Development/Parenting	22204		Work Experience (Special Education)	80026

**SIF PROFILE MAPPINGS**

Definition	Code	Definition	Code
		Person who instructs special education students in the classroom about their work experience.	
Clothing/Sewing	22205		
Life Skills	22206		
Self Mgmt	22207	Coach	90001
Family Living	22208	Non-Employee Coach	90002
Personal Development	22209	Instructional Paraprofessionals/Aides	91060
Consumer Economics/Personal Finance	22210		
Home Décor	22211		
Family and Consumer Science - Aide	22245		
Family and Consumer Science - IS	22247		
Family and Consumer Science - Other	22249		
Community Living	22251		

**A.4.2.8-4 StaffAssignment – SIF\_ExtendedElement/ProgramCode (Staff and Employee Program Codes)**

Code	Description	Iowa Code Definition
00	No special program	
01	Migrant	A program of instruction and services for those children who move periodically with their families from one school to another in a different geographical area in order that a parent or other member of the immediate family may secure seasonal employment.
02	ESL	A program of instruction and services in which students identified as limited English proficient are placed in regular immersion instruction for most of the school day but receive extra instruction in English for part of the day. This extra help is based on a special curriculum designed to teach English as a second language and to develop the student's ability to use the English language in an academic setting. The non English home language may or may not be used in conjunction with ESL instruction.
03	Title I TAS - Title I Funded	Title I Targeted Assistance supported with Title I Funds
04	Title I TAS - Not Title I Funded	Title I Targeted Assistance - Not supported with Title I Funds
05	Title I SWP	Title I Schoolwide Program
06	Other Federal programs	Other Federal programs not listed.

**S I F P R O F I L E M A P P I N G S**

Code	Description	Iowa Code Definition
07	Special Education	A service, specially designed and at no cost to the parent/guardian, that adapts the curriculum, materials, or instruction for students identified as needing special education because of a disabling condition. This may include specially designed instruction for students with any of the following: autism, deaf-blindness, developmental delay (to age 9), hearing impairment, mental retardation, multiple disabilities, orthopedic impairment, serious emotional disturbance, specific learning disability, speech or language impairment, traumatic brain injury, visual impairment, and other health information.
08	Statewide Voluntary Preschool/ECSE	The purpose of Iowa's Statewide Voluntary Preschool Program for Four-Year-Old Children is to provide an opportunity for all young children in the State of Iowa to enter school ready to learn by expanding voluntary access to quality preschool curricula for all four-year-old children. The allocation of funds for the Statewide Voluntary Preschool Program is intended to improve access to quality early childhood education and provide a predictable, equitable and sustainable funding method to increase the number of children participating in quality programs. Therefore, the four-year-old preschool funds are intended to increase the number of children participating in quality programs. (ECSE=Early Childhood Special Ed)
09	Gifted and Talented	Programs that provide special educational opportunities including accelerated promotion through grades and classes and an enriched curriculum for students who are endowed with a high degree of mental ability or who demonstrate unusual physical coordination, creativity, interest, or talent (often in the visual or performing arts).
10	Teacher Leadership Grant	NEED DEFINITION HERE
20	At-Risk/Dropout Prevention	A program that develops and implements educational strategies and practices including special instructional methods and materials to encourage students to remain in school and complete their elementary and secondary education.

**A.4.2.13-1 StudentPersonal – Race / OtherCodeList / OtherCode**

Iowa Uniq-ID requires a single value, and will make use of the OtherCode element. If there is more than one race element, the OtherCode will carry the same value for all instances of the OtherCode. If the student is Hispanic/Latino, then there will be one instance of OtherCode, and that value will be “H”. If the student has three race codes that apply to that student, and the student is not Hispanic/Latino, then all three instances of OtherCode will carry the value of “M”. If the student has one race code that applies, and is not Hispanic/Latino, then a value of I, A, B, P, or W should be supplied by the OtherCode.

Below are the instructions for the SIS vendors for calculating this singular code value. (See Student Reporting in Iowa Data Dictionary and search on “D0035” or “Race/Ethnicity\_StateID”.)

Uniq-ID Race/Ethnicity Calculations

*Calculate in sequence using the first true statement:*

If Hispanic / Latino (D0042) = 1 then H or

**SIF PROFILE MAPPINGS**

If two or more of American Indian or Alaska Native (D0043) or Asian (D0044) or Black or African American (D0045) or Native Hawaiian or Other Pacific Islander (D0046) or White (D0047) = 1 then M  
 [ i.e. Hispanic / Latino = 0 and two or more races = 1] or  
 If American Indian or Alaska Native (D0043) = 1 then I or  
 If Asian (D0044) = 1 then A or  
 If Black or African American (D0045) = 1 then B or  
 If Native Hawaiian or Other Pacific Islander (D0046) then P or  
 If White (D0047) = 1 then W

**Race Codes used for Uniq-ID and TIER and to be provided in OtherCode:**

RaceCode Definition	Code
Hispanic / Latino	H
Multiracial	M
American Indian or Alaska Native	I
Asian	A
Black or African American	B
Native Hawaiian or Other Pacific Islander	P
White	W

**A.4.2.14-1 StudentSchoolEnrollment – EntryType / OtherCodeList / OtherCode (Entry Code)**

EntryType Definition	Code
Enrolled	1
Open Enrolled In	2
Tuitioned In Parent Paid	3
Tuitioned In District Paid	4
Whole Grade Sharing In	5
CPI Dual Enrolled	6
CPI Home School Assistance (HSAP)	7
Nonpublic Shared Time	8
CPI Dual Enrolled and CPI Home School Assistance	9
Tuitioned In NonResident Out-of-State	10
Foreign Exchange Student	11
Open Enrolled In and CPI Dual Enrolled	12
Open Enrolled In and CPI Home School Assistance	13
Open Enrolled In and CPI Dual Enrolled and CPI Home School Assistance	14
Tuitioned In State Paid	15

**SIF PROFILE MAPPINGS**

<b>EntryType Definition</b>	<b>Code</b>
Public Shared Time	16
Open Enrolled In and Foreign Exchange Student	17
Within District Part-time	18
Foreign Student on Visa	19
Tuitioned In and CPI Dual Enrolled	21
Tuitioned In and CPI Home School Assistanes	22
Tuitioned In and CPI Dual Enrolled and CPI Home School Assistance	23
Whole Grade Sharing In and CPI Dual Enrolled	27
Whole Grade Sharing In and CPI Home School Assistance	28
Whole Grade Sharing In and CPI Dual Enrolled and CPI Home School Assistance	29
Whole Grade Sharing In and Foreign Exchange	30
Independent Private Instruction	40
Enrolled in Nonpublic School	81
Nonpublic Shared Time for Nonpublic Schools	82

**A.4.2.14-2 StudentSchoolEnrollment – ExitType / OtherCodeList / OtherCode (Exit Code)**

<b>ExitType Definition</b>	<b>Code</b>
Transferred	1
Transferred Within District	28
Open Enrolled	2
Tuitioned Out District Paid	3
Dropout	4
Expelled	5
Reached Maximum Age	6
Deceased	7
Graduated from High School	8
Illness	9
Whole Grade Sharing Out	10
Tuitioned Out Parent Paid	11
No Show	13
End or Change Enrollment	14
Expulsion Continuing from Previous Year	29
Withdrawn at the parent’s request	30
Withdrawn at the school’s request	31

**A.4.2.14-3 StudentSchoolEnrollment – SIF\_ExtendedElement/ DestinationCode**

Destination	Code
Iowa public district	1
Iowa accredited nonpublic school	2
DHS program or Board of Regents school	6
Out-of-state	8
Out-of-country	9
Home-school/non-accredited	10
Incarcerated	11
Unknown	13
Not applicable	99

**A.4.2.16-1 StudentSnapshot – SIF\_ExtendedElement / PostGradPlan**

Post-graduation Plan	Code
Four year private college	1
Four year public college	2
Community college	3
Two year private college	4
Other postsecondary	5
Employment	6
Homemaker	7
Active military	8
Unknown	9
Not applicable	99

**A.4.3 – Human Resources and Financials Objects Appendix**

**A.4.3.1-1 EmployeeAssignment – SIF\_ExtendedElement AssignmentCode – Iowa Assignment Codes**

Below are the Iowa BEDS Assignment Codes that are mostly non-teaching assignments and likely to be in the HR system.

These will be conveyed via an Extended Element on EmployeeAssignment. Valid codes for AssignmentCode also include teaching codes listed in A.4.2.8-3, StaffAssignment – TeachingAssignment.

**S I F P R O F I L E M A P P I N G S**

<b>Code</b>	<b>Description</b>	<b>Full Definition</b>
30010	School Guidance	Grades 9 - 12
30020	Library/Media Center	
40001	Superintendent/Assistant Superintendent/AEA Chief Administrator	
40002	Administration (Elementary)	
40003	Administration (Middle School)	
40004	Administration (Junior High School)	
40005	Administration (High School)	
40006	Administration (Alternative School)	
40007	Administration (General, other than Superintendent, Asst Superintendent, AEA Chief Administrator)	
40008	General Education Supervisor	
40010	Special Education Supervisor	
40015	Activities/Athletics Director	
40020	School Administrative Manager	
50001	Adult Education	
50002	Agriculture Education	
50003	Art	
50004	At-Risk	
50005	Activities/Athletics	
50006	Talented and Gifted	
50007	Title I	
50008	Data Processing	
50009	Driver Education	
50010	Education Services	
50011	Elementary Curriculum	
50012	Elementary Education	
50013	English/Language Arts	
50015	Fine Arts	
50016	Foreign Language	
50017	Health	
50018	Family and Consumer Science	
50019	Industrial Education	
50020	Library/Media	
50021	Marketing Education	

**S I F P R O F I L E M A P P I N G S**

<b>Code</b>	<b>Description</b>	<b>Full Definition</b>
50022	Mathematics	
50023	Multi-Occupations	
50024	Music	
50025	Business	
50027	Physical Education	
50030	Reading	
50031	Science	
50032	Secondary Curriculum	
50033	Secondary Education	
50034	Social Studies	
50035	School Business Officials	
50036	English as a Second Lang	
50037	Theater/Drama	
50050	School Administrative Manager	
60001	Head Start Program	
60002	Kindergarten	
60003	Pre-Kindergarten	
60007	Computer (Applications/Keyboarding)	
60008	Foreign Language	
60009	English/Language Arts	
60010	Vocational	
60011	Health and Safety	
60012	Human Growth and Development	
60013	Mathematics	
60016	Music	
60017	Physical Education	
60018	Reading	
60021	Science	
60022	Social Studies	
60023	Traffic Safety	
60024	Visual Arts	
60025	Industrial/Technology Education	
60026	Elective Activities	
60027	Fine Arts	
60028	Band/Orchestra	
60029	Vocal Music	

**SIF PROFILE MAPPINGS**

<b>Code</b>	<b>Description</b>	<b>Full Definition</b>
60030	English as a Second Lang	
60031	Religion	
60032	4 Year-Old Preschool	
60033	General Elementary Classroom	
60034	Home School	
60035	School Counselor	Grades PK – 8 only
60036	Exploratory	
60037	Family and Consumer Science	
60038	Business	
60040	Library/Media	
60041	At-Risk	
60046	Talented and Gifted	
60048	Hospital/Homebound	
70001	Audiologist	Person who provides the following services to children with disabilities: Identification of children with hearing loss; Determination of the range, nature, and degree of hearing loss, including referral for medical or other professional attention for the habilitation of hearing; Provision of habilitative activities, such as language habilitation, auditory training, speech reading; Creation and administration of programs for prevention of hearing loss; Counseling and guidance of children, parents, and teachers regarding hearing loss; and Determination of the children’s needs for group and individual amplification, selecting and fitting an appropriate aid, and evaluating the effectiveness of amplification.
70002	Technology	
70004	Educational Media	Person who works with devices, content material, methods, or experiences used for teaching and learning purposes. These include printed and non-printed sensory materials.
70006	Educational TV	
70011	Special Education Consultant	
70014	Occupational Therapy	Person who performs activities involving occupational methods of treatment and rehabilitation without the use of drugs or surgery.
70015	Other Services, Special Education	
70016	Physical Therapy	Person who performs activities involving physical methods of treatment and rehabilitation without the use of drugs or surgery.
70018	Intervention Specialist	
70020	Psychological Services	Person who is licensed as a psychologist to evaluate and analyze a student's behavior by measuring and interpreting their intellectual, emotional, and social development, and diagnosing their educational and personal disabilities.
70021	School Social Work Services	Person who provides the following services to children with disabilities: Preparing a social or developmental history on a child with a disability; Group and individual counseling with the child and

**SIF PROFILE MAPPINGS**

Code	Description	Full Definition
		family; Working in partnership with parents and others on those problems in a child’s living situation (home, school, and community) that affect the child’s adjustment in school; Mobilizing school and community resources to enable the child to learn as effectively as possible in his or her educational program; and Assisting in developing positive behavioral intervention strategies.
70023	Speech and Language Services	Person who provides the following services to children with disabilities: Identification of children with speech or language impairments; Diagnosis and appraisal of specific speech or language impairments; Referral for medical or other professional attention necessary for the habilitation of speech or language impairments; Provision of speech and language services for the habilitation or prevention of communicative impairments; and Counseling and guidance of parents, children, and teachers regarding speech and language impairments.
70025	Vocational Rehabilitation	Vocational rehabilitation services provided to a student with disabilities.
70028	Transition Consultant/Coordinator	
70029	Orientation and Mobility	Person providing services to blind or visually impaired students to enable those students to attain systematic orientation to and safe movement within their environments in school, home, and community; and Teaching students the following, as appropriate: <ul style="list-style-type: none"> <li>. Spatial and environmental concepts and use of information received by the senses (such as sound, temperature and vibrations) to establish, maintain, or regain orientation and line of travel (e.g., using sound at a traffic light to cross the street);</li> <li>. To use the long cane to supplement visual travel skills or as a tool for safely negotiating the environment for students with no available travel vision;</li> <li>. To understand and use remaining vision and distance low vision aids; and</li> <li>. Other concepts, techniques, and tools.</li> </ul>
70030	Challenging Behavior/Autism Strategist	Person who provides services for students with a developmental disability significantly affecting verbal and non verbal communication and social interaction, generally evident before age three, which adversely affects educational performance. Characteristics of autism include irregularities and impairments in communication, engagement in repetitive activities and stereotyped movements, resistance to environmental change or change in daily routines, and unusual responses to sensory experiences. This does not include services for children with characteristics of the disability "serious emotional disturbance."
90001	Coach	
90002	Non-Employee Coach	
95001	Nurse	Person who performs activities requiring substantial specialized judgment and skill in the observation, care, and counsel of ill and injured persons, and in illness prevention. The person filling this position must hold a bachelor's degree and an SPR with the Board of Educational Examiners.
99050	Non Licensed Staff	
91060	Instructional Paraprofessionals/Aides	May be in the SIS system.

**SIF PROFILE MAPPINGS**

Code	Description	Full Definition
91061	Non-Instructional Paraprofessionals/Aides	
96001	Model Teacher	
96002	Mentor Teacher	
96003	Lead Teacher	
96004	Instructional Coach	
96005	Curriculum and Professional Development Leader	
96006	Other	

**A.4.3.1-2 EmployeeAssignment – Shared Codes**

Note: Used in “Shared” element on the “IA Profile Extensions” SIF ExtendedElement.

Code	Description
0	Not Shared
1	Shared – Assignment in Both Districts
2	Shared – Assignment in District Purchasing the Service Only
3	Shared – SWVPP Salary paid by Non-Public School
4	Shared with another Governmental Entity
5	Private Provider