

SIF PROFILE MAPPINGS

IOWA Department of Education State Reporting Using Schools Interoperability Framework



Version 5.1, 2017-2018

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SIF Profile Revision History

Version	Date	Change	Description
1.0	7/16/2012	2012-2013 Release	Profile release for 2012-13 school year.
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.
2.0	12/31/2014	2014-2015 Release	Profile release for 2014-15 school year.
2.0.1	2/5/2015	Minor update	Minor updates to version 2.0.

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Version	Date	Change	Description
2.0.2	3/20/2015	Minor update	Minor updates to version 2.0.
3.0	5/26/2015	2015-16 Release	Profile release for 2015-16 school year.
4.0	5/6/2016	2016-17 Release	Profile release for 2016-17 school year.
5.0	5/10/2017	2017-18 Release	Profile release for 2017-18 school year.
5.1	6/28/2017	Revision	Five extended elements moved from StudentSnapshot to StudentSchoolEnrollment

2017-2018 Changes

The following changes have been made to this profile in compliance with the Student Reporting in Iowa 2017-2018 Data Dictionary, Iowa TIER, and Uniq-ID:

Deleted Objects

- EmployeePersonal
- EmployeeAssignment
- LocationInfo

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Deleted Elements

- DisciplineIncident / IncidentCost
- DisciplineIncident / SIF_ExtendedElement / StudentRemovals / StudentRemoval / UnsafeSchoolChoiceOffense (E0072)
- StudentPersonal / Demographics / CountryofBirth (D0415)
- StudentSchoolEnrollment / SIF_ExtendedElement / Title1SchoolChoice (D0770)
- StudentSchoolEnrollment / SIF_ExtendedElement / SchoolOfferingTitle1SchoolChoice (D0765)
- StudentSchoolEnrollment / SIF_ExtendedElement / Title1SupplSvcs (D0305)
- StudentSchoolEnrollment / SIF_ExtendedElement / ELL PlacementProficiency (D0450)
- StudentSchoolEnrollment / SIF_ExtendedElement / GradStatus (D0530)
- StudentSchoolEnrollment / SIF_ExtendedElement / StudentOptionTransfer (D0315)
- StaffAssignment/JobFunction/OtherCodeList/OtherCode (P610A)
- StaffAssignment/TeachingAssignment/OtherCodeList/OtherCode (A410A)
- StaffAssignment/GradeLevels/GradeLevel/Code (A425L thru A438L)
- StaffAssignment/SIF_ExtendedElement/ProgramCode (P600A)

Added Elements

- StudentSchoolEnrollment / SIF_ExtendedElement / MilitaryConnect (D0095)
- StudentSchoolEnrollment / SIF_ExtendedElement / ESSASchoolofOrigin (D0188)
- StudentPersonal/SIF_ExtendedElement/LegalFirstName (D0065)
- StudentPersonal/SIF_ExtendedElement/LegalLastName (D0085)
- StudentPersonal/SIF_ExtendedElement/LegalMiddleName (D0075)
- StudentPersonal/SIF_ExtendedElement/LegalSuffix (D0092)

Changed Elements

- StudentAttendanceSummary / DaysAttended (D0510): change fractionDigits = 1 to fractionDigits = 2
- StudentAttendanceSummary / DaysinMembership (D0500): change fractionDigits = 0 to fractionDigits = 2
- StudentSchoolEnrollment / SIF_ExtendedElement / AtRisk (D0345): Change option set to 3 = Yes, 0 = No
- StudentSchoolEnrollment / SIF_ExtendedElement / ELLStatus: Add value '7' to option set

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- StudentSchoolEnrollment / EntryType / OtherCodeList / OtherCode (D0180): Delete values '17' and '30' from option set
- StudentSchoolEnrollment / SIF_ExtendedElement / SvcOrFacilityType (D0218): Add value '12' to option set
- StudentSchoolEnrollment / SIF_ExtendedElement / DestinationCode (D0224): Add value '14' to option set
- StudentSchoolEnrollment / SIF_ExtendedElement / PreschoolProgram1Type (D0834): Modify wording of option '5'
- StudentSchoolEnrollment / SIF_ExtendedElement / PreschoolProgram2Type (D0835): Modify wording of option '5'
- StudentSnapshot / SIF_ExtendedElement / DiplomaType (D0550): Change Code set to '1' Yes/ '0' No/ '99' Not Applicable
- SectionInfo / MediumofInstruction / OtherCodeList / OtherCode (C0045): Modify wording of option '7'
- StudentSnapshot / SIF_ExtendedElement / RNSReadingScore (D0752): Delete values '4' and '8' from option set
- StudentSnapshot / SIF_ExtendedElement / RNSMathScore (D0754): Delete value '4' from option set
- StudentSnapshot / SIF_ExtendedElement / RNSScienceScore (D0756): Delete value '4' from option set

Elements Moved to Different Objects

- StudentSnapshot / SIF_ExtendedElement / DiplomaType : Moved to StudentSchoolEnrollment / SIF_ExtendedElement / DiplomaType
- StudentSnapshot / SIF_ExtendedElement / PostGradLocation : Moved to StudentSchoolEnrollment / SIF_ExtendedElement / PostGradLocation
- StudentSnapshot / SIF_ExtendedElement / PostGradPlan : Moved to StudentSchoolEnrollment / SIF_ExtendedElement / PostGradPlan
- StudentSnapshot / SIF_ExtendedElement / ExtracurricularActivities : Moved to StudentSchoolEnrollment / SIF_ExtendedElement / ExtracurricularActivities
- StudentSnapshot / SIF_ExtendedElement / PayingJob : Moved to StudentSchoolEnrollment / SIF_ExtendedElement / PayingJob

Historical profile changes are available upon request.

1 - Introduction

This profile document is being provided to application vendors based on the Iowa DE data reporting requirements for SRI, Uniq-ID, 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.

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

The *Schools Interoperability Framework*[™] (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 reporting requirements. 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 all data element definitions and 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 reporting requirements 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.

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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, LEAInfo, 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
Legal Student Last Name	Alpha	1	60	Y
Legal Student First Name	Alpha	1	60	Y
Legal Student Middle Name	Alpha	1	60	N
Legal Student Suffix	Alpha	1	10	N
Gender	Alpha	1	1	Y

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Element	Format	Min Len	Max Len	Required
Birth Date	Date	10	10	Y
Grade Level	Alpha	2	2	Y
Local Student ID	Alpha	1	20	Y
Social Security Number	Numeric	9	9	N
RaceEthnicity_StateID	Alpha	1	1	Y
ELLStatus	Alpha	1	2	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 should generate 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 profile by searching for the keyword “TIER”. Any data change to any data element in the above objects shall produce an event.

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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 the submitting district identifier for all Iowa State SIF collections is provided in LEAInfo/StateProvinceId.

Collection	Objects	Data
Student Reporting in Iowa (SRI)	StudentSectionMarks, DisciplineIncident, LEAInfo, SchoolCourseInfo, SchoolInfo, SectionInfo, StaffPersonal, StudentAttendanceSummary, StudentPersonal, StudentSchoolEnrollment, StudentSectionEnrollment, StudentSnapshot, TermInfo	Student
Uniq-ID	LEAInfo, 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

State Zone	State collections	Iowa TIER Zone
StudentSectionMarks	SRI	MarkInfo MarkValueInfo StudentSectionMarks AttendanceCodeInfo CalendarSummary
DisciplineIncident	SRI	DisciplineIncident
LEAInfo	Uniq-ID, SRI	LEAInfo
SchoolCourseInfo	SRI	SchoolCourseInfo
SchoolInfo	Uniq-ID, SRI	SchoolInfo

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State Zone	State collections	Iowa TIER Zone
SectionInfo	SRI	SectionInfo
StaffPersonal	SRI	StaffAssignment StaffPersonal
StudentAttendanceSummary	SRI	StudentAttendanceSummary StudentContact StudentDailyAttendance
StudentPersonal	Uniq-ID, SRI	StudentPersonal
StudentSchoolEnrollment	Uniq-ID, SRI	StudentSchoolEnrollment
StudentSectionEnrollment	SRI	StudentSectionEnrollment
StudentSnapshot	SRI	
TermInfo	SRI	TermInfo

3 – SIF Object Definition Format

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

- 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.
- A column has been added to explain any business rules or instructions as they relate to this SIF mapping.

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

The goal of the Grade Book Objects is 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
MarkInfo					
@RefId	M		The Id (GUID) that uniquely identifies this Grading Mark entity	RefIdType	
@MarkValueInfoRefId	M		The Id (GUID) that uniquely identifies the MarkValueInfo.	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. 2018 for the 2017-18 school year).	SchoolYear	
Description	M	TIER	Textual description of the type of Mark (e.g. "Marking Period Grade", "Comment1", "Comment2", "Conduct", "Effort", "WorkHabits").	xs:string	

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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 MarkValueInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@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. 2018 for the 2017-18 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	xs: decimal xs:fractionDigits 2	

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Element/Attribute MarkValueInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			StudentSectionMarks object will not be lower than this value.		
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	

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Element/Attribute MarkValueInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
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	
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	

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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 StudentSectionMarks	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@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	
@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	RefIdType	

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Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
StudentSectionMarks			was given for this student.		
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
AttendanceCodeInfo					
@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.

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Element/Attribute AttendanceCodeInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
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	
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 CalendarSummary	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. 2018 for the 2017-18 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	
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	xs: unsignedInt	

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Element/Attribute CalendarSummary	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			members.		
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, EndDate 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	

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 DisciplineIncident	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., "2018" for the 2017-18 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 PROFILE MAPPINGS

Element/Attribute DisciplineIncident	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@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	
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	
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

SIF PROFILE MAPPINGS

Element/Attribute DisciplineIncident	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
					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.	Values: StudentPersonal StaffPersonal EmployeePersonal 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	Iowa does not use this element.
IncidentCategory	M		The category or description for this incident.		

SIF PROFILE MAPPINGS

Element/Attribute DisciplineIncident	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
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	
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	

SIF PROFILE MAPPINGS

Element/Attribute DisciplineIncident	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
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 for the incident, including those weapons related to this offender.)	List	
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_ExtendedElement LIST	
SIF_ExtendedElement / StudentRemovals	M		This extended element contains a list of StudentRemovals.	xs: token	

SIF PROFILE MAPPINGS

Element/Attribute DisciplineIncident	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
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	1.0 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 6: interim setting by impartial hearing officer

SIF PROFILE MAPPINGS

Element/Attribute DisciplineIncident	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
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 / 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 offender restrained and/or put in seclusion after the problem behavior?	xs:token	Vendor default: 0 0: No 1: Restraint 2: Restraint & Seclusion 3: Seclusion
SIF_ExtendedElement / StudentRemovals / StudentRemoval / MajorMinor	M	TIER	Is the referral for a major or a minor incident?	xs:token	1: Major 2: Minor
SIF_ExtendedElement / StudentRemovals /	M	E0025	Was the expulsion due to a district policy of zero tolerance for this type of	xs: token	Vendor default: 99

SIF PROFILE MAPPINGS

Element/Attribute DisciplineIncident	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
StudentRemoval / ExpulsionZeroTolerance			behavior?		1: Yes 0: No 99: Not applicable
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

SIF PROFILE MAPPINGS

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

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 LEAInfo	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"> • (###) ###-#### • ###-#### 	xs:normalizedString	
AddressList	O		The LEA's address(es)	ActionList (Address/@Type)	
AddressList / Address	MR				[@Type="0765"] (physical location)

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Element/Attribute LEAInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
/ AddressList / Address / Street / Line1	M	TIER	LEA Street Address	xs:normalizedString	
/ 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	

SIF PROFILE MAPPINGS

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 values for the SRI elements Institution Providing Section (C0050) and Course Origination (C0120) via the Extended Elements “SectionProvider” and “CourseOrigination”. The values in SectionInfo for “SectionProvider” and “CourseOrigination” will be used as an override where the values in SectionInfo differ from that in SchoolCourseInfo.

Element/Attribute SchoolCourseInfo	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 year in which the school year ends (e.g. 2018 for the 2017-18 school year).	SchoolYear	
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

SIF PROFILE MAPPINGS

Element/Attribute SchoolCourseInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
					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
CourseTitle	M	C0010 TIER	Title of the course.	xs:normalizedString	
SIF_ExtendedElements / SIF_ExtendedElement	M			SIF_ExtendedElement LIST	

SIF PROFILE MAPPINGS

Element/Attribute SchoolCourseInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
[@Name="IA Profile Extensions"]					
SIF_ExtendedElement / CourseOrigination	M	C0120	Indicates the origination of the course.	xs: token	Vendor default: 1 See Usage Note above for business rule. 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	See Usage Note above for business rule.
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

SIF PROFILE MAPPINGS

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 SchoolInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@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"> • (###) ###-#### • ###-#### 	xs:normalizedString	
AddressList	O		The school's address(es)	ActionList (Address/@Type)	
AddressList / Address	MR				[@Type="0765"]

SIF PROFILE MAPPINGS

Element/Attribute SchoolInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
					(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	
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	

SIF PROFILE MAPPINGS

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 SectionInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@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. 2018 for the 2017-18 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 appropriate relationship between meeting times, teachers and rooms.		
@TermInfoRefId	M	TIER	The Id (GUID) of the term to which this schedule information relates.	IdRefType	

SIF PROFILE MAPPINGS

Element/Attribute SectionInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
ScheduleInfoList / ScheduleInfo / TeacherList	M	TIER		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	M		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 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 /	M	C0050	Institution providing the section of the	xs:normalizedString	See Usage Note above

SIF PROFILE MAPPINGS

Element/Attribute SectionInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SectionProvider			course, e.g. Iowa school district, Iowa accredited nonpublic school, an AEA, or an out-of-state school, a postsecondary institution.		SchoolCourseInfo for guidance.
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	See Usage Note above SchoolCourseInfo for guidance. 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 JobFunction/Code 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 StaffAssignment	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	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., 2018 for the 2017-18 school year).	SchoolYear	
@StaffPersonalRefId	M	TIER	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	
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

SIF PROFILE MAPPINGS

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 StaffPersonal	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@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 TIER	The state-assigned identifier for this staff member	StateProvinceId	Iowa State Folder Number 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	TIER	The last name.	LastName	[@Type="04"]
Name / FirstName	M	TIER	The first name	FirstName	[@Type="04"]
Demographics/ Gender	O	TIER	Person's gender	Gender	
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.

Element/Attribute StudentAttendance Summary	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@StudentPersonalRefId	M		courseThe 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.	values: Yes No Unknown	

SIF PROFILE MAPPINGS

Element/Attribute StudentAttendance Summary	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
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 - 2	
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. Note: No SIF_Query SIF_Condition support is required for this element.	xs:decimal xs:fractionDigits - 2	
UnexcusedAbsences	M	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 - 2	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 - 2	
StudentSchoolEnrollmentRefId	M	TIER	Refid (GUID) of the StudentSchoolEnrollment object instance that corresponds to this object instance.	IdRefType	

SIF PROFILE MAPPINGS

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

SIF PROFILE MAPPINGS

Element/Attribute StudentContact	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
				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	
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		

SIF PROFILE MAPPINGS

Element/Attribute StudentContact	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			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 Unknown	
ContactFlags / DisciplinaryContact	C	TIER	Is this person to be contacted in case of disciplinary action?	<u>values:</u> Yes	

SIF PROFILE MAPPINGS

Element/Attribute StudentContact	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
				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	

SIF PROFILE MAPPINGS

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 date.

SIF_Events are reported for this object.

Element/Attribute StudentDailyAttendance	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	
@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. 2018 for the 2017-18 school year).	SchoolYear	
AttendanceCodeRefId	M		The Id (GUID) of the locally-defined daily attendance code information.	RefIdType	
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	

SIF PROFILE MAPPINGS

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 StudentPersonal	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@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"] Student's preferred last name.
Name / MiddleName	O	D0070 TIER	The middle name of the student.	MiddleName	[@Type="04"] Student's preferred middle name.
Name / FirstName	M	D0060	The first name of the student.	FirstName	[@Type="04"]

SIF PROFILE MAPPINGS

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
StudentPersonal		TIER			
Name / Suffix	O	D0090	Generation of suffix like II, Jr., etc.	xs: normalizedString	Student's preferred first name. [@Type="04"] Student's preferred suffix.
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

SIF PROFILE MAPPINGS

Element/Attribute StudentPersonal	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
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	No Default: M: Male F: Female
Demographics / BirthDate	M	D0020 TIER	The person's date of birth.	BirthDate	
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	M			OtherCodeList	
OtherCodeList / OtherCode	M	D0410 TIER		xs:token	Vendor default: eng [@Codeset="StateProvince"] See appendix A.4.2.13-2 for code values
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		Vendor default: 0

SIF PROFILE MAPPINGS

Element/Attribute StudentPersonal	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			immigrant?		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_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
SIF_ExtendedElement / LegalLastName	M	D0085	Legal last name of the student.	xs: token	
SIF_ExtendedElement / LegalMiddleName	O	D0075	Legal middle name of the student.	xs: token	
SIF_ExtendedElement / LegalFirstName	M	D0065	Legal first name of the student.	xs: token	
SIF_ExtendedElement / LegalSuffix	O	D0092	Legal suffix of the student.	xs: token	

SIF PROFILE MAPPINGS

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 StudentSchoolEnrollment	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@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> Home = school responsible for reporting the student's membership/child accounting information Concurrent = school not the primary reporting unit for the student's membership/child accounting	

SIF PROFILE MAPPINGS

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
StudentSchoolEnrollment				information Summer = 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.	<u>Values:</u> Current = Event/request date falls between EntryDate and ExitDate (inclusive) Historical = Event/request date falls after ExitDate Future = 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. 2018 for the 2017-18 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				

SIF PROFILE MAPPINGS

Element/Attribute StudentSchoolEnrollment	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
EntryType / Code	M		Code indicating the type of entry for this enrollment	NCES0619EntryType	Vendor default: 9999
EntryType / OtherCodeList	M			OtherCodeList	
OtherCodeList / OtherCode	M	D0180 TIER		xs:token	[@Codeset="StateProvince"] See Appendix A.4.2.14-1 for code values
GradeLevel	M		Grade or academic level of student for this enrollment.	GradeLevel	
GradeLevel / Code	M	D0030 TIER	Code representing the grade level.		See Appendix A.4.2.14-2 for code values
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.	NCES0644ExitWithdrawalType	Vendor default: 9999
OtherCodeList	M			OtherCodeList	
OtherCodeList / OtherCode	M	D0190 TIER		xs:token	[@Codeset="StateProvince"]

SIF PROFILE MAPPINGS

Element/Attribute StudentSchoolEnrollment	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
					See Appendix A.4.2.14-3 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_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 student is making a home	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		

SIF PROFILE MAPPINGS

Element/Attribute StudentSchoolEnrollment	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			enrollment		
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 See appendix A.4.2.14-4 for code values
SIF_ExtendedElement / ReceivingEduServices	M	D0228 TIER	Is the expelled IEP 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.4.2.14-5 for

SIF PROFILE MAPPINGS

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
StudentSchoolEnrollment					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_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

SIF PROFILE MAPPINGS

Element/Attribute StudentSchoolEnrollment	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
					No: 0
SIF_ExtendedElement / FreeLunch	M	D0270 TIER	Does the student meet income guidelines for free lunch at the time of submission?	xs:token	Vendor default: 0 1: Yes 0: No
SIF_ExtendedElement / ReducedLunch	M	D0280 TIER	Does the student meet income guidelines for reduced-price 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 2: Yes, and funded by the AEA 3: Yes, and funded by both the LEA and AEA 0: No
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 3: Yes 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 /	M	D0341	Is the homeless student considered to	xs:token	Vendor default: 99

SIF PROFILE MAPPINGS

Element/Attribute StudentSchoolEnrollment	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
UnaccompaniedYouth			be an unaccompanied youth?		1: Yes 0: No 99: Not applicable
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 See appendix A.4.2.14-6 for code values
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 16: English as a second language 99: Not applicable

SIF PROFILE MAPPINGS

Element/Attribute StudentSchoolEnrollment	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
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 PROFILE MAPPINGS

Element/Attribute StudentSchoolEnrollment	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SIF_ExtendedElement / PKSharedVisionsFunded	M	D0822 TIER	Is the PK student funded by Shared Visions?	xs:token	Vendor default: 0 1: Yes 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

SIF PROFILE MAPPINGS

Element/Attribute StudentSchoolEnrollment	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
					education 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 5: Early childhood special education 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

SIF PROFILE MAPPINGS

Element/Attribute StudentSchoolEnrollment	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
					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 but with leading zeros.	Left-pad leading zero to 5 chars if SIS stores 4 char NCES / SIF codes.
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/MilitaryConnect	M	D0095	Are any of the student’s parents or guardians on active military duty at the time of submission?	xs:token	Vendor default: 0 1: Yes 0: No
SIF_ExtendedElement/ESSASchoolofOrigin	M	D0188	Is the foster student continuing his/her enrollment in the school or origin?	xs:token	Vendor default: 99

SIF PROFILE MAPPINGS

Element/Attribute	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
StudentSchoolEnrollment					1: Yes 0: No 99: Not Applicable
SIF_ExtendedElement / DiplomaType	M	D0550	Did the student receive a district diploma by meeting a set of board-approved graduation requirements/credits?	xs:token	Vendor default: 99 1: Yes 0: No 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 0: No 99: Not applicable
SIF_ExtendedElement / ExcludeFromStateReporting	M	TIER	'Yes' if SIS indicates to exclude record from state reporting.		Values: Yes, No

SIF PROFILE MAPPINGS**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 StudentSectionEnrollment	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@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. 2018 for the 2017-18 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 syncing 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 StudentSnapshot	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@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	SchoolYear	

SIF PROFILE MAPPINGS

Element/Attribute StudentSnapshot	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			year in which the school year ends (e.g. 2018 for the 2017-18 school year).		
LocalId	M		The locally-defined identifier for this student.	LocalId	
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	Did the student receive a district diploma by meeting a set of board approved graduation requirements/credits?	xs:token	Vendor default: 99 1: Yes 0: No 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 PROFILE MAPPINGS

Element/Attribute StudentSnapshot	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
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 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 See appendix A.4.2.16-2 for code values
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 See appendix A.4.2.16-3 for code values
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 See appendix A.4.2.16-4 for code values

SIF PROFILE MAPPINGS**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.

SIF_Events are reported for this object.

Element/Attribute TermInfo	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@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., 2018 for the 2017-18 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	
TermSpan	M	TIER		TermSpan	