IOWA Department of Education

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SIF Profile Mappings

Using Schools Interoperability Framework

Version 14.0 2026-27



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SIF Profile Revision History

Version	Date	Changes	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.
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.
6.0	**5/7/2018**	**2018-19 Release**	**Profile release for 2018-19 school year.**
7.0	**5/3/2019**	**2019-20 Release**	**Profile release for 2019-20 school year.**
7.1	6/20/2019	Minor update	Update to JobFunction / Code in StaffAssignment.
8.0	**5/20/2020**	**2020-21 Release**	**Profile release for 2020-21 school year.**
8.1	6/24/2020	Minor Update	Update to CourseType codeset and new language list for BilitLang2/3

Version	Date	Changes	Description
9.0	**5/12/2021**	**2021-22 Release**	**Profile release for 2021-22 school year.**
10.0	**5/11/2022**	**2022-23 Release**	**Profile release for 2022-23 school year**
11.0	**5/12/2023**	**2023-24 Release**	**Profile release for 2023-24 school year**
12.0	**5/13/2024**	**2024-25 Release**	**Profile release for 2024-25 school year**
13.0	**5/12/2025**	**2025-26 Release**	**Profile release for 2025-26 school year**
13.1	7/8/2025	Minor Update	Adding STEM Participant element and updating tagging for IDEA usage
14.0	**5/18/2026**	**2026-27 Release**	**Profile release for 2026-27 school year**

2026-27 Changes

The Iowa Department of Education has leveraged the Schools Interoperability Framework (SIF) specification to collect data for its major PK-12 data systems for nearly 15 years. Over those years, the Department has realized great value from this commitment. We continue to realize additional value through continuous expansion of integrated systems, and continuous innovation to re-use the data in new ways, returning value from this investment to the people of Iowa.

All technical systems require ongoing maintenance, and occasionally more-significant modernization, and our SIF implementation is no exception. To that end, we committed to move our SIF implementation from SIF Version 2.4, to the latest release of the SIF Specification. The latest release is known as SIF Unity, which includes the SIF North American Data Model Version 4.3 running on the SIF Infrastructure Version 3.7. This document represents an early preview of what our expectations will be, with full production deployment planned for the 2026-27 academic year. Being a preview, some of the work here is incomplete, and subject to change. This is an exciting time and project for us, and we are glad to have you here to share. -the team

The following changes were made to this profile in compliance with the Student Reporting in Iowa 2026-27 Data Dictionary, MTSS, State ID, IDEA, transcripts, and ODS (historical profile changes are available upon request)

Special Notes About SIF Unity for Student Information System (SIS) Vendors

- Communications between systems via SIF Unity are different relative to SIF Version 2.4
- The SIF Message construct is replaced with HTTP-style REST API interaction. In the State of Iowa SIF Implementation, this impacts how State ID updates are received by the SIS. Events in Unity arrive as an HTTP POST, and SIS vendors must adapt their systems accordingly. The State of Iowa will provide technical support to assist with this transition.
- As a data provider in a SIF Zone, new features in SIF Infrastructure 3.x allow the SIS vendor more flexibility in how messages are received and processed. Previously, all data providers were expected to respond to requests in an “IMMEDIATE” fashion. Recently, the option for a data provider to respond to requests in a “DELAYED” fashion was introduced in the specification. This allows for the use of message queues for requests and responses, providing new flexibility for data providers. The Iowa Department of Education leaves the implementation decision regarding this new feature to vendors. Again, the State of Iowa will provide technical support to assist with this new option for message processing.
- Detailed documentation of the SIF Infrastructure 3.7 specification can be found at the A4L website

Added Collection

- Special Projects

Updated Collections

- IDEA – StudentContact removed and replaced with StudentContactPersonal and StudentContactRelationship
- ODS – Delete StudentPeriodAttendance from object list

Deleted Objects

- StudentContact

Added Objects

- StudentContactPersonal
- StudentContactRelationship
- StudentSnapshot

Deleted Elements

- SectionInfo / MediumOfInstruction
- SectionInfo / MediumOfInstruction / Code
- SectionInfo / MediumOfInstruction / OtherCodeList
- SectionInfo / MediumOfInstruction / OtherCodeList / OtherCode

Added Elements

- SectionMarkInfo / RefId
- StudentSectionMarks / RefId

- CalendarDate / RefId
- SectionInfo / InstructionalDeliveryModeList
- SectionInfo / InstructionalDeliveryModeList / InstructionalDeliveryMode
- StudentAttendanceSummary / RefId
- StudentDailyAttendance / RefId
- SchoolInfo / SIF_ExtendedElement / ProgramId
- StudentSchoolEnrollment / SIF_ExtendedElement / CivicsTestScore
- StudentSchoolEnrollment / SIF_ExtendedElement / IndividualHealthPlan

Changed Elements

- DisciplineIncident / SIF_ExtendedElement / StudentRemovals / StudentRemoval / ActionTaken
    - Code set change; See A.4.2.3-2
- DisciplineIncident / SIF_ExtendedElement / StudentRemovals / StudentRemoval / ProblemBehavior
    - Code set change; See A.4.2.3-3
- StudentSchoolEnrollment /EntryType / OtherCodeList / OtherCode
    - Code set change; See A.4.2.14-1
- StudentSchoolEnrollment / SIF_ExtendedElement /ResDistrict
    - Code set change; See A.4.2.14-4
- StudentSchoolEnrollment / SIF_ExtendedElement/DestinationLocation
    - Code set change; See A.4.2.14-8
- StudentSchoolEnrollment / SIF_ExtendedElement/IRC1
- StudentSchoolEnrollment / SIF_ExtendedElement/IRC2
- StudentSchoolEnrollment / SIF_ExtendedElement/IRC3
- StudentSchoolEnrollment / SIF_ExtendedElement/IRC4
- StudentSchoolEnrollment / SIF_ExtendedElement/IRC5
    - Code set change; See A.4.2.14-11
- StudentSchoolEnrollment / SIF_ExtendedElement/IndWBL
    - Code set change; See A.4.2.14-12
- SchoolCourserInfo / SIF_ExtendedElement / EmbedCCL
    - Code set change
- StudentSchoolEnrollment / SIF_ExtendedElement/STEMPar
    - Code set change
- StaffAssignment / OtherCodeList / OtherCode
    - Code set change
- StudentPersonal / Demographics / LanguageList / Language / Code – the Department now expects Iowa's code set both in this field, and in the OtherCode field in the same JSON block

Other Changes

- The profile is updated to reflect the latest SIF Specification known as Unity; specifically, SIF North American Data Model (NADM) 4.3 and SIF Infrastructure 3.7

- Expected data format changes from XML to JSON, specifically, PESC COMPLIANT JSON, as linked from the Postsecondary Electronic Standards Council (PESC) website
- The JSON standard does not allow for element attributes in the same fashion as the XML standard; given that the Department expects SIF data to be JSON-formatted, the "@" signs in this document that once referred to XML attributes were removed; the former attributes should be provided and formatted as JSON elements
- Object identifiers updated to match the 4.3 specification (e.g. MarkInfo was 2.4 6.7.4, is now 4.3 3.7.4)
- Type designators updated to match the 4.3 specification (e.g. SchoolYear is now SchoolYearType)
- SchoolYear examples updated to "2027" and "2026-27" for new academic year

Documentation Updates

- **The following elements are newly listed as elements in the Iowa State SIF Profile; however, these elements and values are already provided by most participating student information systems; this change simply brings this document into alignment with existing process**
- CalendarSummary / GradeLevels / GradeLevel
- CalendarSummary / GradeLevels / GradeLevel / Code
- SchoolInfo / GradeLevels / GradeLevel
- SchoolInfo / GradeLevels / GradeLevel /Code
- StaffAssignment / PrimaryAssignment
- StudentContactPersonal / AddressList / Address / Street / Line2
- StudentContactPersonal / AddressList / Address / StateProvince
- StudentPersonal / AddressList
- StudentPersonal / AddressList / Address
- StudentPersonal / AddressList / Address / Street / Line1
- StudentPersonal / AddressList / Address / Street / Line2
- StudentPersonal / AddressList / Address / City
- StudentPersonal / AddressList / Address / StateProvince
- StudentPersonal / AddressList / Address / PostalCode
- StudentPersonal / PhoneNumberList
- StudentPersonal / PhoneNumberList / PhoneNumber
- StudentPersonal / PhoneNumberList / PhoneNumber / Number

- **For the following elements, the set of codes or values defined in SIF NADM 2.4 were copied as-is into the IA DE Business Rules column, thus continuing with business as already established**
- StudentPeriodAttendance / AuditInfo / CreationUser / Type
- AttendanceCodeInfo / AttendanceType
- AttendanceCodeInfo / AttendanceStatus
- AttendanceCodeInfo / UsedForDailyAttendance
- AttendanceCodeInfo / UsedForPeriodAttendance
- CalendarDate / StudentAttendance / CountsTowardAttendance
- StudentAttendanceSummary / Resident
- StudentContactRelationship / ContactFlags / ParentLegalGuardian

- StudentContactRelationship / ContactFlags / PickupRights
- StudentContactRelationship / ContactFlags / LivesWith
- StudentContactRelationship / ContactFlags / AccessToRecords
- StudentContactRelationship / ContactFlags / EmergencyContact
- StudentContactRelationship / ContactFlags / HasCustody
- StudentContactRelationship / ContactFlags / DisciplinaryContact
- StudentContactRelationship / ContactFlags / PrimaryCareProvider
- StudentPersonal / Demographics / RaceList / Race / Code
- StudentPersonal / Demographics / HispanicLatino
- StudentSchoolEnrollment / MembershipType
- StudentSchoolEnrollment / TimeFrame
- StudentDemographicRecord / SIF_RefObject
- StudentDemographicRecord / StudentPersonalData / DemographicsData / RaceList / Race / Code
- StudentDemographicRecord / StudentPersonalData / DemographicsData / HispanicLatino
- StudentAcademicRecord / SIF_RefObject

- **For the following elements, the expected value should reference a StudentContactPersonal object, where a student contact is the target**
- StudentPeriodAttendance / AuditInfo / CreationUser / UserId
- DisciplineIncident / IncidentReporter / SIF_RefId
- DisciplineIncident / IncidentReporter / SIF_RefId / SIF_RefObject

This profile document is provided to application vendors based on the Iowa DE data reporting requirements for Student Reporting in Iowa (SRI), State ID, MTSS, IDEA, Transcripts, and ODS. The Iowa Department of Education is committed to helping districts and schools collect and report state-mandated SRI, State ID, Iowa MTSS, IDEA, Transcripts, and ODS data in a more timely and automated manner. Web-enabled software tools are available to all Local Education Agencies (LEAs) to facilitate the collection of this data using SIF.

The Schools Interoperability FrameworkTM (SIF) standard describes both a data model and a transport mechanism by which data is securely requested from, routed, and delivered to authorized applications. The full SIF Implementation Specification can be found at the Access 4 Learning (A4L) Community website.

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.

SIF mappings are based on SIF Implementation Specification v4.3, with transport and communications based on SIF Infrastructure Specification 3.7. 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 JSON 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 – SRI (Student Reporting in Iowa) 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. Validation 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.

1.4 – State Student Identifier Automation Workflow

When using a capable SIF agent, LEAs are able to acquire student state IDs from and communicate demographic changes to the state-hosted student identifier system. 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 State ID to request a student state ID from the state-hosted student identifier system. Upon successful resolution the assigned state ID is delivered to the local SIF zone in the form of a SIF Change event on the StudentPersonal object. The SIS agent should then consume the assigned state ID and write it to the appropriate location with the SIS application database. Changes to a student's demographic attributes in a local SIS generate SIF Change events on the StudentPersonal and StudentSchoolEnrollment objects. These changes could update the data in the state-hosted student identifier system.

The SIF objects needed to support this workflow are limited to the LEAInfo, StudentPersonal, StudentSchoolEnrollment, and SchoolInfo objects. Specific elements can be located within this specification by searching for the key phrase "State ID".

1.5 – Iowa MTSS Automation Workflow

LEAs are able to populate the Iowa MTSS Data System and/or Assessment 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 as appropriate. Specific elements can be located within this profile by searching for the keyword "MTSS".

1.6 – Iowa IDEA Automation Workflow

LEAs are able to populate student data into ACHIEVE, the Iowa IDEA Data System for students who qualified for Special Education services, 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 as appropriate. Specific elements can be located within this profile by searching for the keyword "IDEA".

1.7 – Iowa Operational Data Store (ODS) Workflow

The Iowa Department of Education maintains an Operational Data Store (ODS) containing live data sourced from the SIF implementation. The purpose of this ODS is to make live SIF-sourced data available for both automated and ad hoc use for Department operations. Examples include providing student roster files for ISASP assessment administration, and EdInsight reports displaying live data to users of that reporting system. The transfer of this data is managed by the Department and its infrastructure vendor, requiring no additional effort from Student Information System (SIS) vendors or district staff.

Data stored in the ODS is identified in the Collection columns below with the tag "ODS". The ODS also stores the same data as the Student Reporting in Iowa (SRI), so any element marked as SRI is also in the ODS.

1.8 – Iowa Special Projects Workflow

The Iowa Department of Education uses data collected via SIF for internal operations that do not require interactions from LEAs. Data for these projects is limited to contact information for students and persons identified as contacts for students. The projects involved are Food Assistance Programs (SUN Bucks in Summer 2026), Claim Your Future (Fall 2026), and occasional support for other operations. Specific elements can be located within this profile by searching for the keyword "SPPRJ".

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 through LEAInfo/StateProvinceId.

Collection	Objects
MTSS	MarkInfo, MarkValueInfo, SectionMarkInfo, StudentPeriodAttendance, StudentSectionMarks, AttendanceCodeInfo, CalendarDate, CalendarSummary, DisciplineIncident, LEAInfo, SchoolCourseInfo, SchoolInfo, SectionInfo, StaffAssignment, StudentAttendanceSummary, StaffPersonal, StudentDailyAttendance, StudentPersonal, StudentSchoolEnrollment, StudentSectionEnrollment, TermInfo
Student Reporting in Iowa (SRI)	StudentSectionMarks, CalendarSummary, DisciplineIncident, LEAInfo, SchoolCourseInfo, SchoolInfo, SectionInfo, StaffPersonal, StudentAttendanceSummary, StudentPersonal, StudentSchoolEnrollment, StudentSectionEnrollment, TermInfo
Transcript	LEAInfo, StudentDemographicRecord, StudentAcademicRecord
State ID	LEAInfo, SchoolInfo, StudentPersonal, StudentSchoolEnrollment
IDEA	DisciplineIncident, SchoolInfo, StaffAssignment, StudentAttendanceSummary, StaffPersonal, StudentContactPersonal, StudentContactRelationship, StudentPersonal, StudentSchoolEnrollment
ODS	StudentSectionMarks, CalendarSummary, DisciplineIncident, LEAInfo, SchoolCourseInfo, SchoolInfo, SectionInfo, StaffPersonal, StudentAttendanceSummary, StudentDailyAttendance, StudentPersonal, StudentSchoolEnrollment, StudentSectionEnrollment, TermInfo
Special Projects (SPPRJ)	StudentContactPersonal, StudentContactRelationship, StudentPersonal

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 Definitions

Element/Attribute	Profile Chart	IA DE Collection/ 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 4.3	The data type as defined by the SIF Implementation Specification 4.3	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 4.3 - 3.7.4)

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 Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies this Grading Mark entity	RefIdType	
MarkValueInfoRefId	M		The Id (GUID) that uniquely identifies the MarkValueInfo.	IdRefType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School that this Mark applies to	IdRefType	
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. 2027 for the 2026-27 school year).	SchoolYearType	
Description	M	MTSS	Textual description of the type of Mark (e.g. “Marking Period Grade”, “Comment1”, “Comment2”, “Conduct”, “Effort”, “WorkHabits”).	xs: string	

4.1.2 MarkValueInfo

(SIF Implementation Specification 4.3 - 3.7.5)

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 Chart	IA DE Collection/ Element Code	Description	SIF 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.	IdRefType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
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. 2027 for the 2026-27 school year).	SchoolYearType	
Name	M	MTSS	The text name of the value list (“Letter Grades”, “Letter Grades (+/-)”, “ESU”, “Pass/Fail”, “Override Grades”, “Citizenship Comment Codes”, etc.).	xs: string	
Percentage	M	MTSS	Indicates whether a percent Mark is accepted (format ##0.00).	MarkValuePercentageType	
IsAccepted	M	MTSS	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	MTSS	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	
Percentage / Maximum	O	MTSS	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	MTSS	Indicates whether a raw numeric score is accepted.	MarkValueNumberType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
IsAccepted	M	MTSS	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	MTSS	Number of significant digits.	xs: unsignedInt	
Numeric / Scale	O	MTSS	Number of decimal places.	xs: unsignedInt	
Numeric / Low	O	MTSS	Lowest Mark in the range (e.g., 98, 3.95).	xs: decimal xs:fractionDigits 2	
Numeric / High	O	MTSS	Highest Mark in the range (e.g., 100, 4.0).	xs: decimal xs:fractionDigits 2	
Letter	M	MTSS	Indicates whether a letter Mark is accepted.	MarkValueLetterType	
IsAccepted	M	MTSS	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	MTSS	List of specific valid letter Marks. May be omitted when IsAccepted is false, otherwise mandatory.	ValidMarkType	
SIF_Action	O	MTSS	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	MTSS	String representing the actual Mark that would appear on the report card (e.g., “A+”, “I”, “100”).	xs: token	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
Letter / ValidMark / NumericEquivalent	O	MTSS	Numeric equivalent for the Mark (e.g., “100”, “4.0”).	xs: decimal xs:fractionDigits 2	
Letter / ValidMark / Description	O	MTSS	The description for this code (e.g. “Excellent”, “Participates in Class”, “Incomplete”, etc.).	xs: string	
Narrative	M	MTSS	If present, indicates that a free-form text narrative is accepted.	MarkValueNarrativeType	
IsAccepted	M	MTSS	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	MTSS	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 SectionMarkInfo

(SIF Implementation Specification 4.3 - 3.7.7)

This object defines the marking periods (TermInfo) that marks (StudentSectionMarks) are recorded in for a particular section (SectionInfo) and lists the types of marks (MarkTypeInfo) that are valid for that marking period (TermInfo).

SIF_Events are reported for this object.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies this SectionMarkInfo object	RefIdType	
SectionInfoRefId	M		The Id (GUID) that uniquely identifies the SectionInfo object that this item refers to.	IdRefType	
SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School that these Mark Values apply to.	IdRefType	
TermMarksLists	M	MTSS		TermMarkListsType	
TermMarkLists/MarkInfoList	MR	MTSS	The grading-related information for a section, repeating for each marking period (TermInfo) in which the section reports Marks.	MarkInfoListType	
TermInfoRefId	M	MTSS	The Id (GUID) that identifies the marking period that the following marks are recorded in.	IdRefType	
SIF_Action	O	MTSS	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.	Values: Delete	
TermMarkLists/MarkInfoList/ MarkInfoRefId	MR	MTSS	The Id (GUID) that identifies a mark that this class uses for grading.	IdRefType	

Sample JSON

"SectionMarkInfo" {

"-RefId" : "359D75101AD0A9D7A8C3DAD0A85103A2",

"-SectionInfoRefId" : "11737E214A7C46BDBA4301CADCA75C87",

```
  "-SchoolInfoRefId" : "11737EA4301CADCA75C87214A7C46BDB ",
  "TermMarkLists" : {
    "MarkInfoList" : [
      {
        "-TermInfoRefId" : "BDBA4301CA1A7C461737DCA75C87E214",
        "MarkInfoRefId" : [
          "A7C46BDBA4301CA11737E214DCA75C87",
          "BA4301CADCA75C8711737E214A7C46BD "
        ]
      },
      {
        "-TermInfoRefId" : "01CA1BDBA43A7C461737DCA75C87E214",
        "MarkInfoRefId" : [
          "A7C46BDBA4301CA11737E214DCA75C87",
          "BA4301CADCA75C8711737E214A7C46BD "
        ]
      }
    ]
  }
}
```


4.1.4 StudentPeriodAttendance

(SIF Implementation Specification 4.3 - 3.7.9)

This object provides attendance for a student in the context of a SectionInfo object. This object is used by all agents in a zone that provide period attendance, but don't have the logic to determine whether or not they have sufficient rights to override attendance from another user or system. Agents that represent a system that can validate attendance based on, among other things, its source, should subscribe to StudentPeriodAttendance events to collect "suggested" attendance changes from the zone, and should then publish "accepted" attendance changes as OfficialStudentPeriodAttendance events. A rejected change would result in an event that reverts the system that generated the rejected event back to its previous state or to some other state that represents the correct "official" attendance.

SIF_Events are reported for this object.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies this StudentPeriodAttendance object	RefIdType	
StudentPersonalRefId	M		The GUID of the student that this attendance applies to.	IdRefType	
SectionInfoRefId	M		The GUID of the section that this attendance applies to.	IdRefType	
SchoolInfoRefId	M		The school where the attendance was recorded. Somewhat redundant, needed for requests.	IdRefType	
Date	M		The date of the attendance event.	xs:date	
TimetablePeriod	C	MTSS	The period within which attendance is being reported, e.g. “4D”. Conditional on the SectionInfo object having MeetingTime elements. If one or more are defined for the Section, this element is required.	xs:normalizedString	
TimeIn	O	MTSS	The time the student entered or returned to this class.	xs:time	
TimeOut	O	MTSS	The time the student left this class.	xs:time	
AttendanceCode	M	MTSS	The local attendance code	AttendanceCodeType	
AttendanceCodeInfoRefId	M			IdRefType	
AuditInfo	M	MTSS	An audit trail to help determine who entered this attendance event and when.	StudentAttendanceAuditInfoType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
AuditInfo / CreationUser	M	MTSS	Information about which staff member created this attendance record.	AuditInfoCreationUserType	
Type	M		The role of the staff member for that created this attendance record.	xs: token	
AuditInfo / CreationUser / UserId	M	MTSS	Unique identifier of the user that created the attendance record. This will depend on the user and the source. The preferred identifier would be a RefId for a StaffPersonal, StudentContact, or StudentPersonal object. However, the user may not be associated with any of these SIF objects. In that case a unique Id given by the source should be used.	xs: normalizedString	
AuditInfo / CreationDateTime	M	MTSS	The date and time this attendance record was created.	xs: dateTime	
SIF_ExtendedElements / SIF_ExtendedElement / [Name="IA Profile Extensions"]	M			SIF_ExtendedElementsType	
SIF_ExtendedElement / PeriodAbsenceValue	M	MTSS	The proportion of an instructional day represented by the absent period, excused or unexcused	xs:decimal xs:fractionDigits - 3	

4.1.5 StudentSectionMarks

(SIF Implementation Specification 4.3 - 3.7.10)

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 Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies this StudentSectionMarks object	RefIdType	
StudentPersonalRefId	M		The Id (GUID) that uniquely identifies the StudentPersonal object that this item refers to.	IdRefType	
SectionInfoRefId	M		The Id (GUID) that uniquely identifies the SectionInfo object that this item refers to.	IdRefType	
TermInfoRefId	M		The Id (GUID) that identifies the marking period that the following marks are recorded in.	IdRefType	
SchoolInfoRefId	M		The Id (GUID) that uniquely identifies the School that these Mark Values apply to.	IdRefType	
IsFinal	M	MTSS	Indicates if the grades are “Final” from the prospective teacher or school. Does not mean that change events will not occur for this item.	xs: boolean	
MarkList	M	MTSS	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.	StudentSectionMarkListType	
MarkList / Mark	MR	MTSS	Outer wrapper for marks reported for this section, in this term.	StudentSectionMarkType	
MarkInfoRefId	M	MTSS	The Id (GUID) that identifies a mark that was given for this student.	IdRefType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
MarkList / Mark / Percentage	C	MTSS	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	MTSS	The raw numeric score for this mark.	xs: decimal xs: fractionDigits 2	
MarkList / Mark / Letter	C	MTSS	The letter grade for this mark.	xs: normalizedString	
MarkList / Mark / Narrative	C	MTSS	The free form narrative for this mark.	xs: string	
SIF_ExtendedElements / SIF_ExtendedElement / [Name="IA Profile Extensions"]	M			SIF_ExtendedElementsType	
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 4.3 - 3.16.2)

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 Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
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.	IdRefType	
AttendanceCode	M	MTSS	Locally defined code for attendance	xs: token	
AttendanceType	M	MTSS	Type of attendance code	xs: token	Present will be assumed for any school day that an event is not sent for a student. <u>Values:</u> Absent Tardy EarlyDeparture Partial Present Other

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
AttendanceStatus	M	MTSS	Excused status of the attendance code.	AttendanceCodeInfoAttendanceStatusType	Values: Excused Unexcused Unknown NA
Description	O	MTSS	The text description of the attendance code.	xs: normalizedString	
AbsenceValue	M	MTSS	The amount of absence represented by AttendanceCode, up to three decimal places.	xs: decimal xs: fractionDigits - 3	
UsedForDailyAttendance	M	MTSS	Is this attendance code used for daily attendance?	AttendanceCodeInfoUsedForDailyAttendanceType	Values: Yes No
UsedForPeriodAttendance	M	MTSS	Is this attendance code used for period attendance?	AttendanceCodeInfoUsedForPeriodAttendanceType	Values: Yes No

4.2.17 CalendarDate

(SIF Implementation Specification 4.3 - 3.16.4)

This object defines information related to a school calendar day in a given school calendar year. If both CalendarDate and CalendarSummary objects are supported, there must be an instance of this object for each date between CalendarSummary StartDate and EndDate, inclusive.

SIF_Events are reported for this object.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies this CalendarDate object	RefIdType	
Date	M	MTSS	A specific school day that occurs within the school year	xs: date	
CalendarSummaryRefId	M	MTSS	The Id (GUID) of the calendar summary in which this calendar date is.	IdRefType	
SchoolInfoRefId	M	MTSS	The Id (GUID) of the school for which this calendar information is being reported.	IdRefType	
SchoolYear	M	MTSS	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2027" for the 2026-27 school year).	SchoolYearType	
CalendarDateType	M	MTSS	Calendar date type information.	CalendarDateInfoType	
CalendarDateType / Code	M		Code indicating the type of school day.	xs: token	
CalendarDateType/OtherCodeList	O			OtherCodeListType	
CalendarDateNumber	O			xs: unsignedInt	
StudentAttendance	M	MTSS		AttendanceInfoType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
StudentAttendance/ CountsTowardAttendance	M	MTSS	Designates whether this date should be counted toward student attendance.	xs: token	Values: Yes No
StudentAttendance/AttendanceValue	M	MTSS	Amount of the school day in which the student should be in attendance (Format is x.x; a student who should be in attendance a full day would be represented as 1.0). If CountsTowardAttendance equals Yes then StudentAttendanceValue must be greater than zero.	0.0 to 1.0	

4.2.2 CalendarSummary

(SIF Implementation Specification 4.3 -3.16.5)

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	Profile Chart	IA DE Collection/ Element Code	Description	SIF 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.	IdRefType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
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. 2027 for the 2026-27 school year).	SchoolYearType	
LocalId	M	MTSS K0050	The locally assigned identifier for this calendar	LocalIdType	
Description	M	MTSS K0055	Textual description of the school calendar.	xs: string	
DaysInSession	M	MTSS	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	MTSS	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	MTSS	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	MTSS	The first day of student instruction.	xs: date	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
LastInstructionDate	M	MTSS	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	MTSS	Date of graduation ceremony.	GraduationDateType	
InstructionalMinutes	M	MTSS	The total number of instructional minutes for this calendar for the school year.	xs: unsignedInt	
MinutesPerDay	M	MTSS	The number of minutes in the day in which the school is normally in session.	xs: unsignedInt	
GradeLevels	M	MTSS	Collection of grade levels applicable to this school calendar.	GradeLevelsType	
GradeLevels / GradeLevel	MR		This is a common element used to specify a collection of grade levels supported. It is used in SchoolInfo and assessment-related objects.	GradeLevelType	
GradeLevel / Code	M		Code representing the grade level.	xs: token	

4.2.3 DisciplineIncident

(SIF Implementation Specification 4.3 - 3.16.6)

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 MTSS, 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 MTSS.

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

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies this DisciplineIncident.	RefIdType	
SchoolYear	M	IDEA	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., "2027" for the 2026-27 school year).	SchoolYearType	
AgencyReporting	M	IDEA	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.	Values: SchoolInfo	
IncidentNumber	M	E0005 MTSS	The locally-defined unique identifier (within the school or school district) to identify this specific incident or occurrence.	xs: normalizedString	
IncidentDate	M	MTSS	The date when the incident occurred.	xs: date	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
IncidentTime	M	MTSS	The time when the incident occurred.	IncidentTimeType	
IncidentTime / Type	M		Identifies whether or not the incident occurred during school hours.	xs: token	
IncidentLocation	M	MTSS	The locally-defined identifier or description of the location where the incident occurred.	IncidentLocationType	See appendix A.4.2.3-1 for code values
IncidentLocation / Type	M		Identifies where the incident occurred.	xs: token	Vendor default: 9997
IncidentLocationRefId	O	MTSS	GUID of the SIF object that relates to the school or location where the incident occurred, if applicable	DisciplineIncidentIncidentLocationRefIdType	
IncidentLocationRefId / SIF_RefObject	M	MTSS	The name of the SIF object to which the GUID relates.	Values: SchoolInfo	
IncidentReporter	M	MTSS	Information regarding the individual who reported the incident.	IncidentReporterType	
IncidentReporter / Type	M	MTSS	Identifies the type of individual who reported the incident.	xs: token	Vendor default: 9997
IncidentReporter / Name	M	MTSS	The name of the individual reporting the incident.	NameType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
IncidentReporter / SIF_RefId	O	MTSS	GUID of the SIF object that relates to the person who reported the incident.	IdRefType	In the case where this value would point to a contact person, provide a RefId of the appropriate StudentContactPersonal object
IncidentReporter / SIF_RefId / SIF_RefObject	M		The name of the SIF object to which the GUID relates.	Values: StudentPersonal StaffPersonal EmployeePersonal StudentContact StudentContactPersonal	In the case where this value would point to a contact person, provide the value "StudentContactPersonal"
RelatedToList	O		List of categories to which the incident is related.	RelatedToListType	
RelatedToList / RelatedTo	OR		Identifies if the incident was related to a specific category.	xs: token	
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.	WeaponTypeListType	Iowa does not use this element.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
WeaponTypeList / WeaponType	OR			xs:token	Iowa does not use this element.
IncidentCategory	M		The category or description for this incident.	IncidentCategoryContainerType	
IncidentCategory / Code	M		Identifies the type of incident being reported.	xs: token	Vendor default: 9000
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.	OtherCodeListType	
IncidentCategory / CodeComment	O	MTSS	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:normalizedString	
OffenderList	M	MTSS	List of offenders.	OffenderListType	
OffenderList / Offender	MR	MTSS	Information regarding the offender(s)/perpetrator(s).	OffenderType	
Offender / Type	M		Identifies the type of offender involved in the incident.	xs:token	Vendor default: 9997

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
OffenderList / Offender / Name	M	MTSS	The name of the offender.	NameType	
OffenderList / Offender / SIF_RefId	C	MTSS	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	
OffenderList/Offender / SIF_RefObject	M	MTSS	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.	xs:token	Iowa does not use this element.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
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.)	WeaponTypeListType	
OffenderList / Offender / WeaponTypeList / WeaponType	OR		Identifies the type of weapon used by the offender during an incident.	xs:token	Iowa does not use this element.
VictimList	C		List of victim(s) if the incident is directed toward specific persons or their property.	VictimListType	
VictimList / Victim	MR		Information regarding the victim(s) in the incident.	VictimType	
Type	M		Identifies the type of individual victimized in the incident.	xs: token	
VictimList/Victim/Name	O		The name of the victim.	NameType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
VictimList/Victim/SIF_RefId	M	SRI	If the Victim Type attribute identifies the victim 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_RefObject	M		SIF Object to which the SIFRefId relates.	values: StudentPersonal StaffPersonal EmployeePersonal	
VictimList/Victim/Injury	M		Identifies whether or not this specific victim was physically injured, and if so, identify whether the injury was major or minor.	xs: token	
SIF_ExtendedElements / SIF_ExtendedElement [Name="IA Profile Extensions"]	M			SIF_ExtendedElementsType	
SIF_ExtendedElement / StudentRemovals	M		This extended element contains a list of StudentRemovals.	xs: token	
SIF_ExtendedElement / StudentRemovals / StudentRemoval	MR			xs: token	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / StudentRemovals / StudentRemoval / StudentPersonalRefId	M	MTSS IDEA		IdRefType	
SIF_ExtendedElement / StudentRemovals / StudentRemoval / ActionTaken	M	E0012 MTSS IDEA	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 MTSS	The problem behavior that caused action to be taken.	xs: token	Vendor Default: N See appendix A.4.2.3-3 for code values
SIF_ExtendedElement / StudentRemovals / StudentRemoval / RemovalDuration	C	E0040 MTSS IDEA	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 value 1, 2, 3, 4, 5, 6
SIF_ExtendedElement / StudentRemovals / StudentRemoval / RemovalDate	C	E0050 MTSS IDEA	The date the action taken began.	xs: date	Required if ActionTaken is value 1, 2, 3, 4, 5, 6
SIF_ExtendedElement / StudentRemovals / StudentRemoval / WeaponCode	M	E0060 MTSS	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

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / StudentRemovals / StudentRemoval / Motivation	M	MTSS	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	MTSS	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	MTSS	Is the referral for a major or a minor incident?	xs:token	1: Major 2: Minor
SIF_ExtendedElement / StudentRemovals / StudentRemoval / ExpulsionZeroTolerance	M	E0025	Was the expulsion due to a district policy of zero tolerance for this type of behavior?	xs: token	Vendor default: 99 1: Yes 0: No 99: Not applicable

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / StudentRemovals / StudentRemoval / InstructionalFormat	C	MTSS	What activity or instructional format was occurring at the time of the problem behavior?	xs: token	Vendor default: 99 Required if IncidentLocation is value 5, 7, 8, 10, 18 See appendix A.4.2.3-6 for code values
SIF_ExtendedElement / StudentRemovals / StudentRemoval / Assault	M	E0032	Did behavior qualify as assault?	xs: token	Vendor default: 0 1: Yes 0: No
SIF_ExtendedElement / StudentRemovals / StudentRemoval / PropDamage	M	E0034	Did behavior result in property damage?	xs: token	Vendor default: 0 1: Yes 0: No
SIF_ExtendedElement / StudentRemovals / StudentRemoval / BodInjury	M	E0036	Did behavior result in personal injury?	xs: token	Vendor default: 0 1: Yes 0: No

DisciplineIncident – JSON Example of Extended Element “StudentRemovals”


```
"SIF_ExtendedElements": {
  "SIF_ExtendedElement": [
    {
      "Name": "IA Profile Extensions",
      "value": {
        "StudentRemovals": {
          "StudentRemoval": [
            {
              "StudentPersonalRefId": "3A1234FCC1235C7475416D84DE29C09A",
              "ActionTaken": "13",
              "ProblemBehavior": "9",
              "RemovalDuration": 11.5,
              "RemovalDate": "03/06/2027",
              "WeaponCode": "K",
              "Motivation": "3",
              "SeclusionRestraint": "0",
              "MajorMinor": "1",
              "ExpulsionZeroTolerance": "99",
              "InstructionalFormat": "1",
              "Assault": "1",
              "PropDamage": "0",
              "BodInjury": "1"
            }
          ]
        }
      }
    }
```

]
},

4.2.4 LEAInfo

(SIF Implementation Specification 4.3 - 3.16.19)

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

SIF_Events are reported for this object.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies this LEA.	RefIdType	
LocalId	M	MTSS	The locally-assigned identifier for this LEA.	LocalIdType	
StateProvinceId	M	H0070 State ID MTSS		StateProvinceIdType	This should represent the submitting entity
LEAName	M	State ID MTSS	The LEA Name	LEANameType	
PhoneNumberList	O		The LEA's phone number(s)	PhoneNumberListType	
PhoneNumberList / PhoneNumber	MR			[Type="0096"] (main)	
PhoneNumberList / PhoneNumber / Number	M	MTSS	Phone number. Free-form, but typical U.S. formats include: • (###) ###-#### • ###-####	xs:normalizedString	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
AddressList	O		The LEA's address(es)	AddressListType	
AddressList / Address	MR			[Type="0765"] (physical location)	
/ AddressList / Address / Street / Line1	M	MTSS	LEA Street Address	xs:normalizedString	
/ AddressList / Address / Street / Line2	O	MTSS	LEA Street Address line 2	xs:normalizedString	
AddressList / Address / City	M	MTSS	LEA City	xs:normalizedString	
AddressList / Address / StateProvince	M	MTSS	LEA State	StateProvinceType	
/ AddressList / Address / Country	M		LEA Country	CountryType	Vendor default: US
AddressList / Address / PostalCode	M	MTSS	LEA Zip Code	xs:normalizedString	
SIF_ExtendedElements / SIF_ExtendedElement [Name="IA Profile Extensions"]	M			SIF_ExtendedElementsType	
SIF_ExtendedElement / SISVersion	M	H0090 MTSS	The version of the student information system that the user has installed.	xs:normalizedString	

4.2.5 SchoolCourseInfo

(SIF Implementation Specification 4.3 - 3.16.13)

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	Profile Chart	IA DE Collection/ Element Code	Description	SIF 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	MTSS	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2027 for the 2026-27 school year).	SchoolYearType	
CourseCode	M	C0020 MTSS	School-defined local code for the course.	CourseCodeType	
StateCourseCode	M	C0035	State-defined standard course code used to report information about courses.	StateCourseCodeType	Vendor default: 0 This element is 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.	SubjectAreaListType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SubjectArea	MR		Subject matter.	SubjectAreaType	
SubjectArea / Code	M			xs:token	
SubjectArea / OtherCodeList	M			OtherCodeListType	
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 MTSS	Title of the course.	CourseTitleType	
SIF_ExtendedElements / SIF_ExtendedElement [Name=“IA Profile Extensions”]	M			SIF_ExtendedElementsType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
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 xs:maxLength - 6	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

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / EmbedCCL	M	C0160	What is the predominant Embedded Work-Based Learning experience for the course?	xs:token	Vendor default: 99 1: Speakers 2: Informational Interview 3: Career Exploration Experience 4: Career Exploration Projects 5: Career-Based Service Learning 6: Interactive Career Event 7: Worksite Exploratory Event 8: Job Shadow 9: Professional Skills Workshops 10: Mock Interviews 11: Industry Partnership Projects 12: Simulated Work Experience with IRC 13: Student Learner Programs 14: Quality Pre-apprenticeships 15: Internships 16: Nonregistered Apprenticeships 17. Registered Apprenticeships 18. Youth Apprenticeships

4.2.6 SchoolInfo

(SIF Implementation Specification 4.3 -3.16.15)

This object contains information about the school.

SIF_Events are reported for this object.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M	IDEA	The Id (GUID) that uniquely identifies this school.	RefIdType	
LocalId	M	MTSS	The locally-assigned identifier for this school	LocalIdType	
LEAInfoRefId	M		The Id (GUID) that references the school district of which this school is a member.	IdRefType	
StateProvinceId	M	K0030 State ID MTSS IDEA	The state-assigned identifier for this school.	StateProvinceIdType	
SchoolName	M	State ID MTSS IDEA	Name of school.	xs: normalizedString	
PhoneNumberList	O		The school's phone number(s)	PhoneNumberListType	
PhoneNumberList / PhoneNumber	MR			PhoneNumberType [Type="0096"] (main)	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
PhoneNumberList / PhoneNumber / Number	M	MTSS	Phone number. Free-form, but typical U.S. formats include: • (###) ###-#### ###-####	xs:normalizedString	
AddressList	O		The school's address(es)	AddressListType	
AddressList / Address	MR			[Type="0765"] (physical location)	
/ AddressList / Address / Street / Line1	M	MTSS	School Street Address	xs:normalizedString	
/ AddressList / Address / Street / Line2	O	MTSS	School Street Address line 2	xs:normalizedString	
AddressList / Address / City	M	MTSS	School City	xs:normalizedString	
/ AddressList / Address / StateProvince	M	MTSS	School State	StateProvinceType	
/ AddressList / Address / Country	M		School Country	CountryType	Vendor default: US
/ AddressList / Address / PostalCode	M	MTSS	School Zip Code	xs:normalizedString	
GradeLevels	M	MTSS	Grade levels offered in the school	GradeLevelsType	
GradeLevels / GradeLevel	MR			GradeLevelType	
GradeLevel / Code	M		Code representing the grade level	xs: token	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElements / SIF_ExtendedElement [Name="IA Profile Extensions"]	M			SIF_ExtendedElementsType	
SIF_ExtendedElement / ProgramId	M	MTSS IDEA	State-assigned identifier for a program at a district-level building.	xs: normalizedString	Four digit unique ID for programs such as a consortium school, residential program, state programs, treatment program, or other non-traditional learning locations.

4.2.7 SectionInfo

(SIF specification 4.3 -3.16.17)

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 Chart	IA DE Collection/ Element Code	Description	SIF 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.	IdRefType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SchoolYear	M	MTSS	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2027 for the 2026-27 school year).	SchoolYearType	
LocalId	M	C0022 MTSS	The locally-assigned identifier for this course section.	LocalIdType	
ScheduleInfoList	M			ScheduleInfoListType	
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.	ScheduleInfoType	
TermInfoRefId	M	MTSS	The Id (GUID) of the term to which this schedule information relates.	IdRefType	
ScheduleInfoList / ScheduleInfo / TeacherList	M	MTSS		StaffListType	
ScheduleInfoList / ScheduleInfo / TeacherList / StaffPersonalRefId	MR	MTSS	The Id (GUID) of the teacher.	IdRefType	StaffPersonalRefId will be used to provide the section teacher folder number

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
InstructionalDeliveryModeList	M		The various instructional delivery modes offered for this section.	InstructionalDeliveryModeListType	
InstructionalDeliveryModeList / InstructionalDeliveryMode	MR	C0045	The various instruction delivery modes available, chosen, or employed.	InstructionalDeliveryModeType	Vendor default: 1 1: Face to face 7: Face to face on college site 2: Internet/online 3: ICN 5: Satellite 6: Other 8: Blended
SectionCode	M	MTSS	Unique identifier of the section for the school year across all courses	xs:normalizedString	
SIF_ExtendedElements / SIF_ExtendedElement [Name= “IA Profile Extensions”]	M			SIF_ExtendedElementsType	
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 out-of-state school, a postsecondary institution.	xs:normalizedString	See Usage Note above SchoolCourseInfo for guidance.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
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
SIF_ExtendedElement / PrimaryTeacherStaffPersonalRefId	M	C0055 MTSS	The Id (GUID) of the *primary* teacher	IdRefType	PrimaryTeacherStaffPersonalRefId will be used to identify the primary teacher for the section.

4.2.8 StaffAssignment

(SIF Implementation Specification 4.3 - 3.16.18)

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 MTSS reporting. Staff members can have multiple types (JobFunction/Code) and multiple school assignments.

SIF_Events are reported for this object.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies this staff member's assignment.	RefIdType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SchoolInfoRefId	M	MTSS IDEA	The Id (GUID) that identifies the school where the staff member is assigned.	IdRefType	
SchoolYear	M	MTSS IDEA	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2027 for the 2026-27 school year).	SchoolYearType	
StaffPersonalRefId	M	MTSS IDEA	Id (GUID) of this staff member, as represented in the StaffPersonal object.	IdRefType	
PrimaryAssignment	M		Is this the staff member's primary assignment? Note: There must be one and only one instance of the object with a `Yes` value in this element per school year.	xs: token	
JobStartDate	O	MTSS IDEA	The date from which the staff assignment is valid (inclusive).	xs: date	
JobEndDate	O	MTSS IDEA	The date through which the staff assignment is valid (inclusive).	xs: date	
JobFunction	O		The purpose of the activities as related to students	JobFunctionType	
JobFunction / Code	M		Code representing the type of job function.	xs: token	Vendor default: 9999
JobFunction / OtherCodeList	O			OtherCodeListType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
OtherCodeList / OtherCode	OR	MTSS IDEA		xs: token	Required for staff members who need access to: • Panorama Student Success • FAST Assessment System • Iowa IDEA Data System Each staff assignment can have a maximum of one MTSS (1000's) code and multiple FAST (2000's) code. 1000: MTSS classroom user 1200: MTSS building user 1300: MTSS district user 1400: MTSS grade-level user 2000: FAST classroom user 2200: FAST specialist 2300: FAST school manager 2400: FAST district manager 2500: FAST Non-Public manager 2600: FAST group proctor 2290: Access to ACHIEVE - building-level 2291: Access to ACHIEVE - district-level

4.2.9 StaffPersonal

(SIF Implementation Specification 4.3 -3.16.20)

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 Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M	IDEA	The Id (GUID) that uniquely identifies this staff member.	RefIdType	
LocalId	M	MTSS	The locally-assigned identifier for this staff member.	LocalIdType	
StateProvinceId	C	C0055 MTSS	The state-assigned identifier for this staff member	StateProvinceIdType	
Name	M		Name of the staff member. Note: Type value of 04 must be used here.	NameOfRecordType	
Name / LastName	M	MTSS IDEA	The last name.	LastNameType [Type=”04”]	
Name / FirstName	M	MTSS IDEA	The first name	FirstNameType [Type=”04”]	
Demographics/Gender	O		Person’s gender	DemographicsGenderType	
EmailList	M		A list of email addresses associated with an individual	EmailListType	
EmailList / Email	MR	MTSS IDEA	An email address	EmailType	

4.2.10 StudentAttendanceSummary

(SIF Implementation Specification 4.3 -3.16.24)

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.

Object needs to be sent even when StartDate = EndDate for accurate attendance and absence rate calculations.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies this StudentAttendanceSummary object	RefIdType	
StudentPersonalRefId	M		The Id (GUID) of the student for whom this attendance information is being reported.	IdRefType	
SchoolInfoRefId	M		The Id (GUID) of the school for which this attendance information is being reported.	IdRefType	
SchoolYear	M	IDEA	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2027 for the 2026-27 school year).	SchoolYearType	
StartDate	M	MTSS	The starting date on which the information in this object instance is applicable.	xs:date	
StartDay	M	MTSS	Number of the first school day to which this object instance applies.	xs:unsignedInt	
EndDate	M	MTSS	The ending date on which the information in this object instance is applicable.	xs:date	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
EndDay	M	MTSS	Number of the last school day to which this object instance applies.	xs:unsignedInt	
Resident	M	MTSS	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.	xs: token	Values: Yes No Unknown
DaysAttended	M	D0510 MTSS IDEA	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	MTSS	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	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
UnexcusedAbsences	M	MTSS	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 MTSS IDEA	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	MTSS IDEA	RefId (GUID) of the StudentSchoolEnrollment object instance that corresponds to this object instance.	IdRefType	

4.2.18 StudentContactPersonal

(SIF Implementation Specification 4.3 - 3.16.26)

This object contains information about the people who are referenced as student contacts.

SIF_Events are reported for this object.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies this StudentContactPersonal	RefIdType	
PersonInfo	M		Common element containing person demographic information.	PersonInfoType	
PersonInfo / LocalId	O		The locally-assigned identifier for this person. 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 object instance with the same LocalId.	LocalIdType	
PersonInfo / OtherIdList	O		Lists all “other” identifiers associated with the person.	OtherIdListType	
OtherIdList / OtherId	MR		Lists an “other” identifier associated with the person.	OtherIdType	
Type	M		Code that defines the type of this other Id.	xs: token	
PersonInfo / Name	M	IDEA SPPRJ	The name of the person. Note: Type attribute value of 04 must be used here	NameOfRecordType	
Name / LastName	M	IDEA SPPRJ	The last name.	LastNameType [Type=”04”]	Contact’s preferred last name.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
Name / FirstName	M	IDEA SPPRJ	The first name.	FirstNameType [Type=”04”]	Contact’s preferred first name.
Name / FullName	M	IDEA	A free text field for the complete name.	xs:normalizedString	
PersonInfo / AddressList	M	IDEA SPPRJ	The person’s address(es).	AddressListType	
AddressList / Address	M	IDEA SPPRJ		AddressType	
AddressList / Address / Street / Line1	M	IDEA SPPRJ	Address line 1.	xs:normalizedString	
AddressList / Address / Street / Line2	M	SPPRJ	Address line 2.	xs:normalizedString	
AddressList / Address / City	M	IDEA SPPRJ	The city part of the address.	xs:normalizedString	
AddressList / Address / StateProvince	M	SPPRJ	The state or province code	xs: token	
AddressList / Address / PostalCode	M	IDEA SPPRJ	The ZIP/postal code.	xs:normalizedString	
PersonInfo / PhoneNumberList	M	IDEA SPPRJ	The person’s phone number(s).	PhoneNumberListType	PhoneNumber Type="0096"
PhoneNumberList / PhoneNumber	M	IDEA SPPRJ		PhoneNumberType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
PhoneNumberList / PhoneNumber / Number	M	IDEA SPPRJ	Phone number. Free-form, but typical U.S. formats include: (###) ###-#### ###-####	xs: normalizedString	
PersonInfo / EmailList	M	IDEA	The person's email address(es).	EmailListType	
EmailList / Email	M	IDEA	An email address	xs:normalizedString	

4.2.19 StudentContactRelationship

(SIF Implementation Specification 4.3 - 3.16.27)

This object defines a relationship between a contact person and a student.

SIF_Events are reported for this object.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies the StudentContactRelationship.	RefIdType	
StudentPersonalRefId	M	IDEA SPPRJ	GUID that identifies the student for the relationship.	IdRefType	
StudentContactPersonalRefId	M	IDEA SPPRJ	GUID that identifies the contact person for the relationship.	IdRefType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
Relationship	M		The relationship of the contact person to the student	RelationshipType	
Relationship / Code	M		Code representing the relationship.	xs: token	
ContactFlags	M	IDEA	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 of ContactFlags must have a Yes value.	ContactFlagsType	
ContactFlags / ParentLegalGuardian	C	IDEA SPPRJ	Does the individual have parental or legal guardianship responsibility for the student?	xs: token	Values: Yes No Unknown
ContactFlags / PickupRights	C		This element tells whether or not the contact has pickup rights.	xs: token	Values: Yes No Unknown
ContactFlags / LivesWith	C		Does the student live with this contact?	xs: token	Values: Yes No Unknown
ContactFlags / AccessToRecords	C		Does this contact have access to the student's records?	xs: token	Values: Yes No Unknown

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
ContactFlags / EmergencyContact	C		Should this contact be notified in case of emergency?	xs: token	Values: Yes No Unknown
ContactFlags / HasCustody	C	SPPRJ	Does this contact have or share custody of the student?	xs: token	Values: Yes No Unknown
ContactFlags / DisciplinaryContact	C		Is this person to be contacted in case of disciplinary action?	xs: token	Values: Yes No Unknown
ContactFlags / PrimaryCareProvider	C		Does this person provide daily living or personal assistance to the student?	xs: token	Values: Yes No Unknown
ContactSequence	O		Number indicating the order in which the person should be contacted.	xs: unsignedInt	

4.2.12 StudentDailyAttendance

(SIF Implementation Specification 4.3 -3.16.28)

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	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies the StudentDailyAttendance.	RefIdType	
StudentPersonalRefId	M		The Id (GUID) of the student for whom this attendance information is being reported.	IdRefType	
SchoolInfoRefId	M		The Id (GUID) of the school for which this attendance information is being reported.	IdRefType	
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. 2027 for the 2026-27 school year).	SchoolYearType	
AttendanceCodeInfoRefId	M		The Id (GUID) of the locally-defined daily attendance code information.	IdRefType	
TimeIn	O	MTSS	The time the student entered or returned to school.	xs:time	
TimeOut	O	MTSS	The time the student left school.	xs:time	
AttendanceNote	O	MTSS	Note related to this particular attendance.	xs:normalizedString	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElements / SIF_ExtendedElement [Name= “IA Profile Extensions”]	M			SIF_ExtendedElementsType	
SIF_ExtendedElement / DailyAbsenceValue	M	MTSS ODS	The proportion of an instructional day absent, based upon the sum of all period absences, excused or unexcused	xs:decimal xs:fractionDigits - 3	

4.2.13 StudentPersonal

(SIF Implementation Specification 4.3 -3.16.30)

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

SIF_Events are reported for this object.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M	IDEA SPPRJ	The Id (GUID) that uniquely identifies this student.	RefIdType	
LocalId	M	D0010 State ID MTSS	The locally-assigned identifier for this student.	LocalIdType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
StateProvinceId	C	K0020 State ID MTSS IDEA	The state-assigned identifier for this student.	StateProvinceIdType	Mandatory for SRI, IDEA and MTSS.
OtherIdList	O		Lists all "other" identifiers associated with the student.	OtherIdListType	
OtherIdList / OtherId	MR	State ID	Lists an "other" identifier associated with the student.	OtherIdType 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 State ID MTSS	The last name of the student.	LastNameType xs:normalizedString [Type=”04”]	Student’s preferred last name.
Name / MiddleName	O	MTSS	The middle name of the student.	MiddleNameType xs:normalizedString [Type=”04”]	Student’s preferred middle name.
Name / FirstName	M	D0060 State ID MTSS	The first name of the student.	FirstNameType xs:normalizedString [Type=”04”]	Student’s preferred first name.
Name / Suffix	O		Generation of suffix like II, Jr., etc.	xs: normalizedString [Type=”04”]	Student’s preferred suffix.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
Demographics	M		Demographics information about the student, contact, staff member, etc. This element occurs within objects such as StudentPersonal, StudentContact, etc.	DemographicsType	
Demographics / RaceList	M			RaceListType	
Race	MR			RaceCodeType	
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.	xs: token	Values: 0998: American Indian or Alaska Native 0999: Asian 1000: Black or African American 1001: Native Hawaiian or Other Pacific Islander 1002: White
Race / OtherCodeList	M			OtherCodeListType	
OtherCode	M	State ID MTSS IDEA		xs: token	[Codeset=”StateProvince”] Required for Uniq-ID (“Race/Ethnicity_StateID”). See appendix A.4.2.13-1 for code values

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF 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.	xs: token	Values: Yes No
Demographics / Gender	O		The person's gender.	DemographicsGenderType	
Demographics / BirthDate	M	D0020 State ID MTSS IDEA	The person's date of birth.	BirthDateType	
Demographics / LanguageList	M		List of languages an individual uses to communicate.	LanguageListType	
Language	MR			LanguageContainerType	
Language / Code	M	D0410 MTSS IDEA	The code representing the specific language that an individual uses to communicate.	xs: token	Vendor default: eng [Codeset="StateProvince"] See appendix A.4.2.13-2 for code values
Language / OtherCodeList	M			OtherCodeListType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
OtherCodeList / OtherCode	M	D0410 MTSS IDEA		xs: token	Vendor default: eng [Codeset=”StateProvince”] See appendix A.4.2.13-2 for code values
AddressList	M	SPPRJ	The student’s address(es).	AddressListType	
AddressList / Address	M	SPPRJ		AddressType	
AddressList / Address / Street / Line1	M	SPPRJ	Address line 1.	xs:normalizedString	
AddressList / Address / Street / Line2	M	SPPRJ	Address line 2.	xs:normalizedString	
AddressList / Address / City	M	SPPRJ	The city part of the address.	xs:normalizedString	
AddressList / Address / StateProvince	M	SPPRJ	The state or province code	xs: token	
AddressList / Address / PostalCode	M	SPPRJ	The ZIP/postal code.	xs:normalizedString	
PhoneNumberList	M	SPPRJ	The person’s phone number(s).	PhoneNumberListType	PhoneNumber Type="0096"
PhoneNumberList / PhoneNumber	M	SPPRJ		PhoneNumberType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
PhoneNumberList / PhoneNumber / Number	M	SPPRJ	Phone number. Free-form, but typical U.S. formats include: (###) ###-#### ###-####	xs: normalizedString	
ProjectedGraduationYear	O	MTSS	Currently projected graduation year	ProjectedGraduationYearType (CCYY)	
Immigrant	M	D0330 MTSS	Does the student meet the State criteria for classification as being an immigrant?	StudentPersonalImmigrantType	
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_ExtendedElementsType	
SIF_ExtendedElement / ExcludeFromStateReporting	M	MTSS IDEA	‘Yes’ if SIS indicates to exclude record from state reporting.		Values: Yes, No Do not exclude any records, only mark them with Yes or No.
SIF_ExtendedElement / LegalLastName	M	State ID IDEA	Legal last name of the student.	xs: token	
SIF_ExtendedElement / LegalMiddleName	O	State ID IDEA	Legal middle name of the student.	xs: token	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / LegalFirstName	M	State ID IDEA	Legal first name of the student.	xs: token	
SIF_ExtendedElement / LegalSuffix	O	State ID IDEA	Legal suffix of the student.	xs: token	
SIF_ExtendedElement / IASex	M	D0051 State ID MTSS IDEA	Gender of student	xs: token	F: Female M: Male

4.2.14 StudentSchoolEnrollment

(SIF Implementation Specification 4.3 -3.16.33)

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 Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies this enrollment.	RefIdType	
StudentPersonalRefId	M	IDEA	The Id (GUID) of the student to whom this information is linked.	IdRefType	
SchoolInfoRefId	M	IDEA	The Id (GUID) of the school to which this enrollment applies.	IdRefType	
MembershipType	M	MTSS IDEA	The type of this enrollment as it relates to the school identified in SchoolInfoRefId.	xs: token	Values: **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 information **Summer** = summer school enrollment, not part of the regular school year

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
TimeFrame	M	MTSS	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.	xs: token	Values: **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	MTSS State ID IDEA	School year for which this enrollment is applicable, expressed as the four-digit year in which the school year ends (e.g. 2027 for the 2026-27 school year). StudentSchoolEnrollment instances must not span multiple school years.	SchoolYearType	
EntryDate	M	D0185 MTSS IDEA	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			StudentEntryTypeType	
EntryType / Code	M		Code indicating the type of entry for this enrollment	xs: token	Vendor default: 9999
EntryType / OtherCodeList	M			OtherCodeListType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
OtherCodeList / OtherCode	M	D0180 State ID MTSS IDEA		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.	GradeLevelType	
GradeLevel / Code	M	D0030 State ID MTSS IDEA	Code representing the grade level.	xs: token	See Appendix A.4.2.14-2 for code values
Advisor	M	D0055 IDEA	Staff member assigned as an advisor for this enrollment.	StudentSchoolEnrollmentAdvisorType	
SIF_RefObject	M		The name of the object referenced.	Values: StaffPersonal	Reference to StaffPersonal object to determine D0055
ExitDate	C	D0220 MTSS IDEA	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			StudentExitTypeType	Required if ExitDate is populated.
ExitType / Code	M		Code indicating the type of exit for this enrollment.	xs: token	Vendor default: 9999

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
OtherCodeList	M			OtherCodeListType	
OtherCodeList / OtherCode	M	D0190 MTSS		xs: token	[Codeset=”StateProvince”] See Appendix A.4.2.14-3 for code values
FTE	M	D0495 MTSS IDEA	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_ExtendedElementsType	
SIF_ExtendedElement / AttendingDistrict	M	MTSS State ID	State assigned ID of the district where the student is counted for attendance purposes	xs:token	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / CPIDualEnrollment	M	D0244 MTSS	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 State ID MTSS IDEA	State assigned code of the district where the student is making a home	xs:token	See appendix A.4.2.14-4 for code values
SIF_ExtendedElement /ResCounty	M	D0215 MTSS IDEA	State assigned county in which the student resides; 2-digit county code	xs:token	See appendix A.4.2.14-5 for code values
SIF_ExtendedElement / AccountableDistrict	O	D0207 MTSS	State assigned code of public district where the student has primary enrollment		See appendix A.4.2.14-8 for code values

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement /FosterCare	M	D0230 MTSS IDEA	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 MTSS IDEA	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 MTSS	Identifies the type of service students are receiving from selected providers.	xs:token	Vendor default: 99 See appendix A.4.2.14-6 for code values
SIF_ExtendedElement / ReceivingEduServices	M	D0228 MTSS	Is the expelled IEP student receiving educational services from the district?	xs:token	Vendor default: 99 1: Yes 0: No 99: Not applicable

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / DestinationCode	M	D0224 MTSS	The type of destination location.	xs:token	Vendor default: 99 See appendix A.4.2.14-7 for code values
SIF_ExtendedElement / DestinationLocation	O	D0225 MTSS	State assigned code for the specific destination; 2-char or 8-digit code.	xs:token	Use 2-char alpha code for non-Iowa states See appendix A.4.2.14-8 for code values
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 MTSS	State assigned code of the nonpublic school where the student has his / her primary enrollment; eight numeric characters	xs:token	
SIF_ExtendedElement / PreschoolAttendance	M	D0780	Did the Kindergarten student attend preschool within the 12 months prior to kindergarten entry?	xs:token	Vendor default: 99 1: Yes 0: No 99: Not applicable

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / Title1Reading	M	D0250 MTSS	Did the student participate in a Title I Targeted Assistance Reading program at anytime during the year?	xs:token	Vendor default: 0 1: Yes 0: No
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 1: Yes 0: No
SIF_ExtendedElement / FreeLunch	M	D0270 MTSS	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 MTSS	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 MTSS	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

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / HomelessType	M	D0340 MTSS	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_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 MTSS IDEA	Current EL status of the student	xs:token	Vendor default: 99 See appendix A.4.2.14-9 for code values

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / LIEPPlacementDate	O	D0460	Most recent date a student was placed in the district's LIEP program or began receiving LIEP services.	xs:date	
SIF_ExtendedElement / LIEPExitDate	O	D0465	Date student was classified as EL 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 EL 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_ExtendedElement / PKHeadStartFunded	M	D0821 MTSS	Is the PK student funded by Head Start?	xs: token	Vendor default: 0 1: Yes 0: No
SIF_ExtendedElement / PKSharedVisionsFunded	M	D0822 MTSS	Is the PK student funded by Shared Visions?	xs: token	Vendor default: 0 1: Yes 0: No

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / PKECIFunded	M	D0823 MTSS	Is the PK student funded by ECI?	xs: token	Vendor default: 0 1: Yes 0: No
SIF_ExtendedElement / PKParentFunded	M	D0824 MTSS	Is the PK student funded by his / her parent?	xs: token	Vendor default: 0 1: Yes 0: No
SIF_ExtendedElement / PKTitle1Funded	M	D0825 MTSS	Is the PK student funded by Title 1?	xs: token	Vendor default: 0 1: Yes 0: No
SIF_ExtendedElement / PKSWVPPFunded	M	D0826 MTSS	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 MTSS	Is the PK student funded by the other sources such as private business?	xs: token	Vendor default: 0 1: Yes 0: No

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / PreschoolProgram1Type	M	D0834 MTSS	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 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 MTSS	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	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / Section504	M	D0300 MTSS	Does the student have a 504 plan?	xs: token	Vendor default: 0 1: Yes 0: No
SIF_ExtendedElement / GiftedTalented	M	D0310 MTSS	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 MTSS	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 MTSS	The most recent IEP placement date.	xs: date	Required for students with an IEP.
SIF_ExtendedElement / IEPStaffedOutDate	O	D0294 MTSS	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 State ID	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.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
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 2: Army, Navy, Air Force, Space Force, Marine Corps, or Coast Guard on Active Duty 3: National Guard 4: Reserve force of the United States military (Army, Navy, Air Force, Space Force, Marine Corps or Coast Guard) 0: 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

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
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 1: 4 year private college 2: 4 year public college 3: Community college 4: 2 year private college 5: Other postsecondary 6: Employment 8: Active military 9: Unknown 10. Apprenticeship 11. Internship 99: Not applicable
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

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
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 / BilitLang2	O	D0571	Language (other than English) that student is fluent in reading, writing, speaking, and listening	xs: token	See appendix A.4.2.13-2 for code values
SIF_ExtendedElement / BilitLang3	O	D0572	Language (other than English) that student is fluent in reading, writing, speaking, and listening	xs: token	See appendix A.4.2.13-2 for code values
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 1: Invalid results / problem with testing 2: Excluded due to parental decision 3: Absent during testing 5: Medical emergency 6: Transfer in student, already tested 9: Incomplete Assessment 99: Not applicable

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
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 1: Invalid results / problem with testing 2: Excluded due to parental decision 3: Absent during testing 5: Medical emergency 6: Transfer in student, already tested 9: Incomplete Assessment 99: Not applicable
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 1: Invalid results / problem with testing 2: Excluded due to parental decision 3: Absent during testing 5: Medical emergency 6: Transfer in student, already tested 7: DLM not offered in this grade 9: Incomplete Assessment 99: Not applicable

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / ExcludeFromStateReporting	M	MTSS IDEA	'Yes' if SIS indicates to exclude record from state reporting.	xs: token	Values: Yes, No Do not exclude any records, only mark them with Yes or No.
SIF_ExtendedElement / SchoolOverride	O	SRI		xs: token	If it is present, then use this value for the SchoolCode related to the student. If it is not present, then use the value on the SchoolInfo object. PowerSchool data element only
SIF_ExtendedElement / TherProgRef	M	D0097	Count of referrals of student to Therapeutic Program/classroom	xs: unsignedInt	Vendor Default: 0
SIF_ExtendedElement / ESA	M	D0100	Is this student funded by an Educational Savings Account?	xs: token	Vendor default: 0 1: Yes 0: No
SIF_ExtendedElement/IRC1	M	D0540	The first Industry Recognized Credential a student received during the current school year.	xs: token	Vendor default: 999 See Appendix A.4.2.14-11 for code values

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement/IRC2	M	D0541	The second Industry Recognized Credential a student received during the current school year.	xs: token	Vendor default: 999 See Appendix A.4.2.14-11 for code values
SIF_ExtendedElement/IRC3	M	D0542	The third Industry Recognized Credential a student received during the current school year.	xs: token	Vendor default: 999 See Appendix A.4.2.14-11 for code values
SIF_ExtendedElement/IRC4	M	D0543	The fourth Industry Recognized Credential a student received during the current school year.	xs: token	Vendor default: 999 See Appendix A.4.2.14-11 for code values
SIF_ExtendedElement/IRC5	M	D0544	The fifth Industry Recognized Credential a student received during the current school year.	xs: token	Vendor default: 999 See Appendix A.4.2.14-11 for code values

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement/IndWBL	M	D0600	For students who have completed a work-based learning experience that was not embedded in a course.	xs: token	Vendor default: 9999 See Appendix A.4.2.14-12 for code values
SIF_ExtendedElement/STEMPar	M	D0325	For students who were participants in a STEM Scale Up Program	xs:token	Vendor default: 0 0: Not Applicable 1: STEMwonder 2: Exploring AI and the Future of Work 3: FIRST Tech Challenge 4: Both Exploring AI and the Future of Work and FIRST Tech Challenge
SIF_ExtendedElement / CivicsTestScore	M	D0573	The percent the high school student earned on the civics test.	xs: unsignedInt	Vendor default: 999 Range 0-100
SIF_ExtendedElement / IndividualHealthPlan	M	MTSS ODS	For students who have an Individual Health Plan	xs:token	Vendor default: 0 1: Yes 0: No

4.2.15 StudentSectionEnrollment

(SIF Implementation Specification 4.3 -3.16.34)

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 Chart	IA DE Collection/ Element Code	Description	SIF 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	MTSS	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2027 for the 2026-27 school year).	SchoolYearType	
EntryDate	M	MTSS C0170	Date from when this enrollment is valid	xs: date	
ExitDate	M	MTSS C0180	The last school calendar day (membership day) the student was enrolled in the course section (inclusive).	xs: date	

4.2.20 StudentSnapshot

(SIF Implementation Specification 4.3 -3.16.35)

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 Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies this StudentSnapshot object.	RefIdType	
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	SPPRJ	The Id (GUID) of the student to whom this information relates.	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. 2027 for the 2026-27 school year).	SchoolYearType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
LocalId	M		The locally-defined identifier for this student.	LocalIdType	
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.	HomeEnrollmentType	
HomeEnrollment / Status	M		Enrollment status as of the SnapDate.	xs: token	
HomeEnrollment / GradeLevel	M		Grade or academic level of student.	GradeLevelType	
SIF_Extended Elements / SIF_ExtendedElement / [Name= “IA Profile Extensions”]	M			SIF_ExtendedElementsType	
SIF_ExtendedElement / CumulativeGPA	M	SPPRJ	Cumulative grade point average for academic career.	xs: decimal	Non-weighted GPA
SIF_ExtendedElement / CumulativeWeightedGPA	M	SPPRJ	Cumulative weighted grade point average for academic career.	xs: decimal	Weighted GPA
SIF_ExtendedElement / MaximumGPA	M	SPPRJ	The highest possible grade point average (GPA) that a student could obtain on the institutional grading scale.	xs: decimal	

4.2.16 TermInfo

(SIF Implementation Specification 4.3 -3.16.36)

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

SIF_Events are reported for this object.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF 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., 2027 for the 2026-27 school year).	SchoolYearType	
StartDate	M	C0141	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	
Description	M	MTSS	Text-based description of the term.	xs:normalizedString	
TermCode	M	MTSS	Locally-defined codes	xs:normalizedString	
TermSpan	M	MTSS		TermSpanType	

4.3 - Student Record Exchange Objects

Please note that some of the elements used for electronic transcripts in each of the following Student Record Exchange elements correspond to a Student Reporting in Iowa data element. In a column with the heading “IA DE Collection / Element Number“, if there is a corresponding IA DE Element Number in the SRI system, the number has been noted.

4.3.1 StudentDemographicRecord

(SIF Implementation Specification 4.3 -3.17.2)

This object conveys a student's demographic data for student record exchange and transcript purposes.

SIF_Events are not reported for this object.

Usage:

Please follow the guidelines below for providing the values in the StudentDemographicRecord elements.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies an instance of this object.	RefIdType	
SIF_RefId	M		The GUID of an associated object, either StudentRecordExchange or StudentPersonal.	RefIdType	
SIF_RefObject	M		The associated object type.	xs: token	Values: StudentRecordExchange StudentPersonal
ReportingDate	M		The date this record was prepared.	xs:date	
StudentPersonalData	M		Collects elements of interest from StudentPersonal.	StudentPersonalDataType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
StudentPersonalData / LocalId	O	D0010		LocalIdType	
StudentPersonalData / StateProvinceId	M	K0020		StateProvinceIdType	The Uniq-ID system assigns a unique ID to a child as he or she enters the Iowa educational system. ID remains the same from year to year and follows the student within the state.
StudentPersonalData / SSN	O	D0160		SSNType	
StudentPersonalData / Name	M		Name of the student. Note: Type value of 04 must be used here.	NameOfRecordType [Type="04"]	
StudentPersonalData / Name/ LastName	M	D0080		LastNameType [Type="04"]	Student's preferred last name.
StudentPersonalData / Name/ FirstName	M	D0060		FirstNameType [Type="04"]	Student's preferred first name.
StudentPersonalData / Name / MiddleName	O	D0070		MiddleNameType [Type="04"]	Student's preferred middle name.
StudentPersonalData / Name/ Suffix	O	D0090		xs:normalizedString [Type="04"]	Student's preferred suffix.

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
StudentPersonalData / OtherNames	O		Previous, alternate or other names or aliases associated with the student.	OtherNamesType	
StudentPersonalData / OtherNames / Name	MR		Name of the person. Note: Type value of 04 may not occur here	OtherNameType [Type="02"] (Current Legal name)	At least one OtherName block with a Type value of "02" must exist
StudentPersonalData / OtherNames / Name / LastName	M	D0085		LastNameType	Student's legal last name, where Type="02"
StudentPersonalData / OtherNames / Name / FirstName	M	D0065		FirstNameType	Student's legal first name, where Type="02"
StudentPersonalData / OtherNames / Name / MiddleName	O	D0075		MiddleNameType	Student's legal middle name, where Type="02"
StudentPersonalData / OtherNames / Name / Suffix	O	D0092		xs:normalizedString	Student's legal suffix, where Type="02"
StudentPersonalData / DemographicsData	M		Collects elements of interest from Demographics.	StudentPersonalDataDemographicsDataType	
StudentPersonalData / DemographicsData / RaceList	M			RaceListType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
StudentPersonalData / DemographicsData/ RaceList / Race	MR			RaceCodeType	
StudentPersonalData / DemographicsData / RaceList / 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.	xs: token	Values: 0998: American Indian or Alaska Native 0999: Asian 1000: Black or African American 1001: Native Hawaiian or Other Pacific Islander 1002: White
StudentPersonalData / DemographicsData/ Gender	O			xs: token	
StudentPersonalData / DemographicsData / BirthDate	M	D0020		BirthDateType	
StudentPersonalData / DemographicsData / HispanicLatino	M	D0042		DemographicsDataHispanicLatinoType xs: token	Values: 1: Yes 0: No
StudentPersonalData / AddressList	M		The address of the student.	AddressListType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
StudentPersonalData / AddressList / Address	MR			[Type="0123"] (mailing address)	
StudentPersonalData / AddressList / Address / Street / Line1	M			xs:normalizedString	
StudentPersonalData / AddressList / Address / City	M			xs:normalizedString	
StudentPersonalData / AddressList / Address / StateProvince	M			StateProvinceType	
StudentPersonalData / AddressList / Address / Country	M		The country code.	CountryType	Vendor default: US
StudentPersonalData / AddressList / Address / PostalCode	M			xs:normalizedString	
StudentPersonalData / PhoneNumberList	M			PhoneNumberListType	
StudentPersonalData / PhoneNumberList / PhoneNumber	M			PhoneNumberType [Type="0096"]	
StudentPersonalData / PhoneNumberList / PhoneNumber / Number	M		Phone number. Free-form, but typical U.S. formats include: • (###) ###-#### • ###-####	xs:normalizedString	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
StudentContactsSummary	O		Reports up to two parents/guardians of the student.	StudentContactsSummaryType	
StudentContactsSummary / ParentGuardian1	M		First parent/guardian.	StudentContactSummaryType	
StudentContactsSummary / ParentGuardian1 / Name	M			NameType [Type="04"]	
StudentContactsSummary / ParentGuardian1 / Name / LastName	M			LastNameType	
StudentContactsSummary/ ParentGuardian1 / Name / FirstName	M			FirstNameType	
StudentContactsSummary / ParentGuardian1 / Name/ MiddleName	O			MiddleNameType	
StudentContactsSummary / ParentGuardian2	O		Second parent/guardian.	StudentContactSummaryType	Agent to provide ParentGuardian2 if available.
StudentContactsSummary / ParentGuardian2 / Name	M			NameType [Type="04"]	
StudentContactsSummary / ParentGuardian2 / Name / LastName	M			LastNameType	

Element/Attribute	Profile Chart	IA DE Collection/ Element Code	Description	SIF Type	IA DE Business Rules
StudentContactsSummary / ParentGuardian2 / Name / FirstName	M			FirstNameType	
StudentContactsSummary / ParentGuardian2 / Name / MiddleName	O			MiddleNameType	
SIF_ExtendedElements / SIF_ExtendedElements / [Name= “IA Profile Extensions”]	M			SIF_ExtendedElementsType	This is the beginning of “IA Profile Extensions”; a complex Extended Element on the root of the StudentDemographicRecord object.
SIF_ExtendedElement / ResidentDistrictCode	M	D0200	State assigned code of the district where the parents, custodial parent, or guardian resides; four-digit code	xs: token	

4.3.2 StudentAcademicRecord

(SIF Implementation Specification 4.3 -3.17.3)

This object conveys a student's academic record data for student record exchange and transcript purposes.

Usage:

Iowa DE districts can have terms with different term spans that run concurrently within a school (building), for instance mini-terms, 4x4 blocks, and semesters. The SIF Implementation Specification allows for multiple terms for historical courses. However, for CurrentCourseActivity courses, the TermInfoData element on CurrentCourseActivity is non-repeatable. In order to allow for multiple term spans (types of sessions) for current courses, Iowa will use the TermInfoData child element on CurrentCourseActivity only for the SchoolYear and use the TermInfoData element on MarkingPeriod to carry the values that define the term for each course, specifically term span (type of session) and term start date.

The CurrentCourseActivity element is only to be used to convey data about courses currently in progress (with future end dates). For any courses completed in the current school year, the Agent is to provide course data via CourseHistory.

SIF_Events are not reported for this object.

The Agent is to provide the values for the SRI elements Institution Providing Section (C0050) via the Extended Element “SectionProvider”. The values in SectionInfo for “SectionProvider” will be used as an override where the values in SectionInfo differ from that in SchoolCourseInfo.

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
RefId	M		The Id (GUID) that uniquely identifies an instance of this record.	RefIdType	
SIF_RefId	M		The GUID of an associated object, either StudentRecordExchange or StudentPersonal.	RefIdType	
SIF_RefObject	M		The associated object type.	xs: token	Values: StudentRecordExchange StudentPersonal
ReportingDate	M		The date this record was prepared.	xs: date	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
StudentSchoolEnrollmentData	M		Collects elements of interest from StudentSchoolEnrollment.	StudentSchoolEnrollmentDataType	
SchoolAttendedRefId	M		References the school of record for the student (see SchoolAttended)	IdRefType	
StudentSchoolEnrollmentData / GradeLevel	M	D0030		GradeLevelType	
SchoolAttendanceHistory	M		Chronology of schools attended in the student's academic career, including the current school if enrolled.	SchoolAttendanceHistoryListType	
SchoolAttendanceHistory / SchoolAttended	MR		Data about each individual school attended.	SchoolAttendanceHistoryType	
RefId	M		Id used internally to StudentAcademicRecord to avoid duplication of school-related data.	RefIdType	
SchoolAttendanceHistory / SchoolAttended / LEAInfoData	M		Collects elements of interest from LEAInfo.	LEAInfoSummaryType	
SchoolAttendanceHistory / SchoolAttended / LEAInfoData / StateProvinceId	M	D0203		StateProvinceIdType	
SchoolAttendanceHistory / SchoolAttended / LEAInfoData / LEAName	M			LEANameType	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData	M		Collects elements of interest from SchoolInfo.	SchoolInfoSummaryType	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / LocalId	M			LocalIdType	Locally assigned ID of the building the student currently attends
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / StateProvinceId	M			StateProvinceIdType	State assigned ID of the building the student currently attends
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolName	M			SchoolNameType	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList	O			SchoolContactListType	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact	M			SchoolContactType	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo	M			ContactInfoType	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / Name	M			NameType [Type=”04”]	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / Name/ LastName	O			LastNameType	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / Name/ FirstName	O			FirstNameType	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / PositionTitle	O		Role played by this contact in this instance. Examples: Registrar, Counselor	xs: normalizedString	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / PhoneNumberList	M		List of PhoneNumber elements.	PhoneNumberListType	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / PhoneNumberList / PhoneNumber	MR		Code that specifies what type of phone number this is. Note: A subset of valid values may be specified in data objects.	PhoneNumberType	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / PhoneNumberList / PhoneNumber / Number	M	Sending Building Contact Telephone Number	Phone number. Free-form, but typical U.S. formats include: • (###) ###- #### • ###-####	xs: normalizedString [Type=”0096”]	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
SchoolAttendanceHistory / SchoolAttended / MarkingSystems	C		Note: Mandatory if school of record. Marking systems/grading tables used by the school.	MarkingSystemsType	
SchoolAttendanceHistory / SchoolAttended / MarkingSystems / MarkValueInfoData	MR		Marking system/grading table used by the school.	MarkValueInfo2Type	Iowa only uses MarkValueInfoData for CourseHistory
RefId	M		Id used internally to StudentAcademicRecord to link marks to their marking systems.	RefIdType	
SchoolAttendanceHistory / SchoolAttended / MarkingSystems / MarkValueInfoData / Name	M		The text name of the value list ("Letter Grades", "Letter Grades (+/-)", "ESU", "Pass/Fail", "Override Grades", "Citizenship Comment Codes", etc.).	xs: string	
CurrentCourseActivity	C		Note: Mandatory if coursework is underway. Conveys a student's current coursework along with mid-term marks if applicable.	CurrentCourseActivityType	
CurrentCourseActivity / TermInfoData	M		Collects elements of interest from TermInfo.	CurrentCourseActivityTermInfoDataType	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
SchoolAttendedRefId	M		Reference to the school of record for the courses being taken (see SchoolAttended).	IdRefType	
CurrentCourseActivity / TermInfoData / SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2027 for the 2026-27 school year).	SchoolYearType	
CurrentCourseActivity / TermInfoData / StartDate	O			PartialDateType	
CurrentCourseActivity / TermInfoData / TermSpan	O			TermSpanType	
CurrentCourseActivity / TermInfoData / TermSpan / Code	O		Code for session type.	xs: token	
CurrentCourseActivity / Courses	M		Courses being taken.	CurrentCourseActivityCourseListType	
CurrentCourseActivity / Courses / Course	MR		Course being taken.	CurrentCourseActivityCourseType	
CurrentCourseActivity / Courses / Course / SchoolAttendedRefId	C		Reference to the school where the course is being taken (see SchoolAttended); may be omitted if the school is the same as the school of record.	IdRefType	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
CurrentCourseActivity / Courses / Course / SchoolCourseInfoData	M		Collects elements of interest from SchoolCourseInfo.	SchoolCourseInfoSummaryType	
CurrentCourseActivity / Courses / Course / SchoolCourseInfoData / CourseCode	M	C0020		CourseCodeType	Number assigned to the high school course by the district for local use.
CurrentCourseActivity / Courses / Course / SchoolCourseInfoData / StateCourseCode	M	C0035		StateCourseCodeType	Vendor default: 0 Note that the Codeset for the Iowa SCED Course Code is state-specific and differs from the codes in the SIF Common element.
CurrentCourseActivity / Courses / Course / SchoolCourseInfoData / CourseTitle	M	C0010		CourseTitleType	Title assigned to the high school course by the current district for local use.
CurrentCourseActivity / Courses / Course / MarkingPeriod	M			MarkingPeriodSummaryType	
CurrentCourseActivity / Courses / Course / MarkingPeriod / TermInfoData	O		Information related to the span of time associated with the marking period.	MarkingPeriodTermInfoDataType	
CurrentCourseActivity/ Courses/ Course/ MarkingPeriod / TermInfoData / StartDate	O			PartialDateType	
CurrentCourseActivity / Courses / Course/ MarkingPeriod / TermInfoData / TermSpan	M			TermSpanType	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
CurrentCourseActivity / Courses / Course/ MarkingPeriod / TermInfoData / TermSpan / Code	M		Code for session type.	xs: token	
CurrentCourseActivity / Courses / Course/ MarkingPeriod / GradeLevelWhenTaken	M		Student's grade level at time of course.	GradeLevelType	
CurrentCourseActivity / Courses / Course / MarkingPeriod / MarkData	C		Note: Mandatory if mid-term mark exists. Mid-term mark.	MarkingPeriodMarkDataType	
MarkValueInfoDataRefId	M		Reference to marking system at school of record.	IdRefType	
CurrentCourseActivity/Courses/Course/Markin gPeriod/MarkData/Percentage	C		The percent score for this mark (0.00 - 100.00).	xs:decimal	
CurrentCourseActivity/Courses/Course/Markin gPeriod/MarkData/Numeric	C		The raw numeric score for this mark.	xs:unsignedInt	
CurrentCourseActivity / Courses / Course / MarkingPeriod / MarkData / Letter	C		The letter grade for this mark.	xs:normalizedString	
CurrentCourseActivity / Courses / Course / MarkingPeriod / MarkData / Narrative	C		The free form text narrative for this mark.	xs:string	
CurrentCourseActivity / Courses / Course / MarkingPeriod / CourseCreditsAttempted	M		Number of course credits attempted.	xs:decimal	
CurrentCourseActivity / Courses / Course / SIF_ExtendedElements	C			SIF_ExtendedElementsType	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
CurrentCourseActivity / Courses / Course / SIF_ExtendedElements / SIF_ExtendedElement [Name="IA Profile Extensions"]	C				Extension on Course. If there are any courses in progress, the Agent must provide this Extended Element.
CurrentCourseActivity / Courses / Course / SIF_ExtendedElement / CommonCourseNumber	O	C0025		xs: token xs: maxLength - 6	
CurrentCourseActivity / Courses / Course / 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.
CourseHistory	O		Conveys the coursework completed, performance and attendance information for a student's academic career.	CourseHistoryTermListType	
CourseHistory / Term	OR		Time spans by which courses are grouped.	CourseHistoryTermType	
CourseHistory / Term / TermInfoData	M		Collects elements of interest from TermInfo.	CurrentCourseActivityTermInfoDataType	
SchoolAttendedRefId	M		Reference to the school of record for the time span (see SchoolAttended).	IdRefType	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
CourseHistory / Term / TermInfoData / SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2027 for the 2026-27 school year).	SchoolYearType	
CourseHistory / Term / TermInfoData / StartDate	O			PartialDateType	
CourseHistory / Term / TermInfoData / TermSpan	O			TermSpanType	
CourseHistory / Term / Courses	O			CourseHistoryCourseListType	
CourseHistory / Term / Courses / Course	OR			CourseHistoryCourseType	
CourseHistory / Term / Courses / Course / SchoolAttendedRefId	C		Reference to the school where the course was taken (see SchoolAttended); may be omitted if the school is the same as the school of record.	IdRefType	
CourseHistory / Term / Courses / Course / SchoolCourseInfoData	M		Collects elements of interest from SchoolCourseInfo.	SchoolCourseInfoSummaryType	
CourseHistory / Term / Courses / Course /SchoolCourseInfoData / CourseCode	O			CourseCodeType	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
CourseHistory / Term / Courses / Course / SchoolCourseInfoData / StateCourseCode	M	C0035		StateCourseCodeType	Vendor default: 0 This element is 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.
CourseHistory / Term / Courses / Course / SchoolCourseInfoData / CourseTitle	M	C0010		CourseTitleType	Title assigned to the high school course by the current district for local use.
CourseHistory / Term / Courses / Course / MarkingPeriods	M		Student performance/attendance data for each marking period.	CourseHistoryMarkingPeriodListType	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod	MR		Student performance/attendance data for a marking period.	CourseHistoryMarkingPeriodType	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / SchoolAttendedRefId	C		Reference to the school where student took the course during the marking period, if different from schools above.	IdRefType	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / TermInfoData	O		Information related to the span of time associated with the marking period.	MarkingPeriodTermInfoDataType	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / TermInfoData / StartDate	M			PartialDateType	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / TermInfoData / TermSpan	M			TermSpanType	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / TermInfoData / TermSpan / Code	M		Code for session type	xs: token	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / GradeLevelWhenTaken	M		Student's grade level at time of course.	GradeLevelType	Required for Transcript
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / MarkData	C			MarkingPeriodMarkDataType	
MarkValueInfoDataRefId	M		Reference to marking system at school of record.	IdRefType	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / MarkData / Percentage	C		The percent score for this mark (0.00 - 100.00).	xs: decimal	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / MarkData / Numeric	C		The raw numeric score for this mark.	xs: unsignedInt	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / MarkData / Letter	C		The letter grade for this mark.	xs: normalizedString	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / MarkData / Narrative	C		The free form text narrative for this mark.	xs: string	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / CourseCreditsAttempted	M		Number of course credits attempted.	xs: decimal	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / CourseCreditsEarned	M		Number of course credits earned.	xs: decimal	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / CreditType	O		Type of credit.	xs: token	
CourseHistory / Term / Courses / Course / SIF_ExtendedElements / SIF_ExtendedElement [Name="IA Profile Extensions"]	C			SIF_ExtendedElementsType	Extension of Course. If there are any historical courses, the Agent must provide this Extended Element.
CourseHistory / Term / Courses / Course / SIF_ExtendedElements / SIF_ExtendedElement / CommonCourseNumber	O	C0025		xs: token xs: maxLength - 6	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
CourseHistory / Term / Courses / Course / 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.
AcademicPerformanceSummary	M		Conveys a cumulative summary of a student's entire academic performance at the time the transcript was generated.	AcademicPerformanceSummaryType	
AcademicPerformanceSummary / CumulativeGPA	M		Cumulative grade point average for academic career.	xs: decimal	Non- weighted GPA
AcademicPerformanceSummary / ClassRank	O		Student's rank in graduating class.	xs: unsignedInt	Non- weighted Class Rank
AcademicPerformanceSummary / ClassTotalNumber	O		Total number of students in student's graduating class	xs: unsignedInt	
AcademicPerformanceSummary / GraduationDate	C		Note: Mandatory if graduated. Graduation date.	PartialDateType	
AcademicPerformanceSummary / GraduationDiplomaType	C		Note: Mandatory if graduated. Type of diploma earned.	xs: normalizedString	

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
AssessmentPerformanceHistory	C		Note: Mandatory if assessments exist. Conveys a history of assessments taken throughout a student's academic career.	AssessmentPerformanceHistoryListType	
AssessmentPerformanceHistory / Assessment	MR		A record of performance on an individual assessment.	AssessmentPerformanceHistoryType	
AssessmentPerformanceHistory / Assessment / Name	M		Textual description of assessment.	xs: normalizedString	
AssessmentPerformanceHistory / Assessment / AdministrationDate	O		Date the assessment was Administered.	PartialDateType	
AssessmentPerformanceHistory / Assessment / SubtestCategory	O		The subtest or subtest category of the assessment.	xs: normalizedString	
AssessmentPerformanceHistory / Assessment / TestScore	O		Test score.	xs: normalizedString	
SIF_ExtendedElements / SIF_ExtendedElement [Name="IA Profile Extensions"]	C			SIF_ExtendedElementsType	This is the beginning of "IA Profile Extensions"; a complex Extended Element on the root of the StudentAcademicRecord object. Agent must provide the Mandatory elements.

Element/Attribute	Profile Chart	IA DE Collection / Element Code	Description	SIF Type	IA DE Business Rules
SIF_ExtendedElement / DiplomaType	M	D0550	This element answers the question “Has the student actually graduated at the time the transcript is being sent?”	xs: token	Vendor default: 99
SIF_ExtendedElement / MaximumGPA	M		The highest possible grade point average (GPA) that a student could obtain on the institutional grading scale.	xs: decimal	
SIF_ExtendedElement / CumulativeWeightedGPA	O		Cumulative weighted grade point average for academic career.	xs: decimal	Weighted GPA
SIF_ExtendedElement / WeightedClassRank	O		The weighted academic rank of a student in relation to his or her graduating class.	xs: decimal	
SIF_ExtendedElement / BilitLang2	O	D0571	Language (other than English) that student is fluent in reading, writing, speaking, and listening	xs: token	See appendix A.4.2.13-2 for code values
SIF_ExtendedElement / BilitLang3	O	D0572	Language (other than English) that student is fluent in reading, writing, speaking, and listening	xs: token	See appendix A.4.2.13-2 for code values

JSON Examples of SIF_ExtendedElement “IA Profile Extensions” on the StudentAcademicRecord object

Example of SIF_ExtendedElement on both CurrentCourseActivity and CourseHistory:

1. StudentAcademicRecord/CurrentCourseActivity/Courses/Course

2. StudentAcademicRecord/CourseHistory/Term/ Courses/Course


```
"SIF_ExtendedElements": {
  "SIF_ExtendedElement": [
    {
      "Name": "IA Profile Extensions",
      "value": {
        "CommonCourseNumber": "ENG105",
        "SectionProvider": "17370000"
      }
    }
  ]
},
```


Example of SIF_ExtendedElement on the root of StudentAcademicRecord:
StudentAcademicRecord / SIF_ExtendedElements / SIF_ExtendedElment Name= “IA Profile Extensions”


```
"SIF_ExtendedElements": {
  "SIF_ExtendedElement": [
    {
      "Name": "IA Profile Extensions",
      "value": {
        "DiplomaType": "1",
        "MaximumGPA": 4.0,
        "CumulativeWeightedGPA": 3.75,
        "WeightedClassRank": 94,
        "BilitLang2": "spa",
        "BilitLang3": "frr"
      }
    }
  ]
},
```