



July 8, 2025

SIF Profile Mappings

Using Schools Interoperability Framework

Version 13.1 2025-2026

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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 | 2018-2019 Release | Profile release for 2018-2019 school year. |
| 7.0 | 5/3/2019 | 2019-2020 Release | Profile release for 2019-2020 school year. |

| Version | Date | Changes | Description |
|-------------|------------------|--------------------------|---|
| 7.1 | 6/20/2019 | Minor update | Update to JobFunction / Code in StaffAssignment. |
| 8.0 | 5/20/2020 | 2020-2021 Release | Profile release for 2020-2021 school year. |
| 8.1 | 6/24/2020 | Minor Update | Update to CourseType codeset and new language list for BilitLang2/3 |
| 9.0 | 5/12/2021 | 2021-2022 Release | Profile release for 2021-2022 school year. |
| 10.0 | 5/11/2022 | 2022-2023 Release | Profile release for 2022-2023 school year |
| 11.0 | 5/12/2023 | 2023-2024 Release | Profile release for 2023-2024 school year |
| 12.0 | 5/13/2024 | 2024-2025 Release | Profile release for 2024-2025 school year |
| 13.0 | 5/12/2025 | 2025-2026 Release | Profile release for 2025-2026 school year |
| 13.1 | 7/8/2025 | Minor Update | Adding STEM Participant element and updating tagging for IDEA usage |

2025-2026 Changes

The following changes have been made to this profile in compliance with the Student Reporting in Iowa 2025-2026 Data Dictionary, MTSS, State ID, IDEA, Transcripts, and ODS (historical profile changes are available upon request)

Added Collection

- Added ODS

Deleted Objects

- None

Added Objects

- None

Deleted Elements

- StudentContact / OtherNames
- StudentContact / Demographics
- StudentContact / EmployerType
- StudentContact / EducationalLevel
- StudentContact / SIF_ExtendedElement / IEPParentAccess
- StudentPersonal / SIF_ExtendedElement / IAGender
- StudentDemographicRecord / SIF_ExtendedElement / IAGender

Added Elements

- StudentPeriodAttendance / SIF_ExtendedElement / PeriodAbsenceValue
- StudentDailyAttendance / SIF_ExtendedElement / DailyAbsenceValue
- StudentPersonal / SIF_ExtendedElement / IASex
- StudentSchoolEnrollment / SIF_ExtendedElement / IndWBL
- StudentSchoolEnrollment / SIF_ExtendedElement / STEMPar

The following are listed as added elements, however, these elements and values are already provided by all participating student information systems; This change simply brings this document into alignment with existing process

- StudentContact / Name / LastName
- StudentContact / Name / FirstName
- StudentContact / Name / FullName
- StudentContact / AddressList / Address
- StudentContact / AddressList / Address / Street / Line1
- StudentContact / AddressList / Address / City
- StudentContact / AddressList / Address / PostalCode
- StudentContact / PhoneNumberList / PhoneNumber
- StudentContact / PhoneNumberList / PhoneNumber / Number
- StudentContact / EmailList / Email
- StudentContact / Relationship / Code
- TermInfo / Description

Changed Elements

- SchoolCourseInfo / SIF_ExtendedElement / EmbedWBL
 - Rename to SchoolCourseInfo / SIF_ExtendedElement / EmbedCCL
- StudentSchoolEnrollment / OtherCodeList / OtherCode
 - Removed Code 19 from Appendix [A.4.2.14-1](#)
- StudentSchoolEnrollment / SIF_ExtendedElement / MilitaryConnect
 - New code set
- StudentSchoolEnrollment / SIF_ExtendedElement / BilitLang2
 - Updated to use A.4.2.13-2
- StudentSchoolEnrollment / SIF_ExtendedElement / BilitLang3
 - Updated to use A.4.2.13-2
- StudentSchoolEnrollment / SIF_ExtendedElement / RNSReadingScore
 - Added 9: Incomplete Assessment
- StudentSchoolEnrollment / SIF_ExtendedElement / RNSMathScore
 - Added 9: Incomplete Assessment
- StudentSchoolEnrollment / SIF_ExtendedElement / RNSScienceScore
 - Added 9: Incomplete Assessment

Other Changes

- Typographical error corrections, type labeling corrections, and other minor corrections, with no impact on expected data
- Clarification of usage of data elements for IDEA and MTSS
- The “SLF” identifier in the “IA DE Collection / Element Code” column of the object definition tables has changed to “State ID”, as have other references in narrative text

This profile document is being 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 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 v2.4. DE data elements are mapped to existing SIF objects and data elements where possible. SIF extended elements are used in cases where no suitable mapping is available. DE data element codes are used within the SIF object definitions to signify the element mapping.

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

1.3 – 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 the Iowa IDEA Data System for students with an IEP 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 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 Student Reporting in Iowa (SRI), so any element identified with an SRI field designation is also in the ODS.

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, StudentContact, StudentPersonal, StudentSchoolEnrollment |
| ODS | StudentPeriodAttendance, StudentSectionMarks, CalendarSummary, DisciplineIncident, LEAInfo, SchoolCourseInfo, SchoolInfo, SectionInfo, StaffPersonal, StudentAttendanceSummary, StudentDailyAttendance, StudentPersonal, StudentSchoolEnrollment, StudentSectionEnrollment, TermInfo |

3 – SIF Object Definition Format

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

- The column “Profile Char” reflects whether an element or an attribute is Mandatory, Optional, or Conditional.
 - “M” stands for Mandatory and means that an agent must provide the SIF element and a valid value in every instance.
 - “O” stands for Optional and means that an agent must provide the SIF element and a valid value if a value exists in the Student Information System or other software system.
 - “C” stands for Conditional and means that an agent must provide the SIF element and a valid value if the condition exists according to the IA DE Business Rules.
 - “R” indicates that, in addition to the restrictions above, the element is repeatable.

- The gray cells in the “Profile Char” column highlight discrepancies between the SIF Specification and Iowa SIF Profile mappings.
- A column has been added to explain any business rules or instructions as they relate to this SIF mapping.

Table 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 2.4 | The data type as defined by the SIF Implementation Specification 2.4 | Brief explanations of IA DE Business Rules, or references to notes, or brief instructions for an element. |

4 – SIF Object Definitions

4.1 – Grade Book Objects

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

4.1.1 MarkInfo

(SIF Implementation Specification 2.4 - 6.7.4)

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

SIF_Events are reported for this object.

| Element/Attribute | Profile 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. 2026 for the 2025-26 school year). | SchoolYear | |
| 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 2.4 - 6.7.5)

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

SIF_Events are reported for this object.

| Element/Attribute | Profile 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. 2026 for the 2025-26 school year). | SchoolYear | |
| 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). | | |
| @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 | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---------------------|---------------|--------------------------------|--|------------------------------------|----------------------|
| Numeric | M | MTSS | Indicates whether a raw numeric score is accepted. | | |
| @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. | ActionList (ValidMark/Code) | |
| @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. | | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|---|------------------------------------|----------------------|
| @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 | |
| 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. | | |
| @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 2.4 - 6.7.7)

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 |
|----------------------------|---------------|--------------------------------|---|---|----------------------|
| @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 | | ActionList (MarkInfoList/@TermInfo RefId) | |
| TermMarkLists/MarkInfoList | MR | MTSS | The grading-related information for a section, repeating for each marking period (TermInfo) in which the section reports Marks. | List | |
| @TermInfoRefId | M | MTSS | The Id (GUID) that identifies the marking period that the following marks are recorded in. | IdRefType | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|--|-------------------|----------------------|
| @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 XML

```

<SectionMarkInfo SectionInfoRefId="11737E214A7C46BDBA4301CADCA75C87" SchoolInfoRefId="11737EA4301CADCA75C87214A7C46BDB">
  <TermMarkLists>
    <MarkInfoList TermInfoRefId="BDBA4301CA1A7C461737DCA75C87E214">
      <MarkInfoRefId>A7C46BDBA4301CA11737E214DCA75C87</MarkInfoRefId>
      <MarkInfoRefId>BA4301CADCA75C8711737E214A7C46BD</MarkInfoRefId>
    </MarkInfoList>
    <MarkInfoList TermInfoRefId="01CA1BDBA43A7C461737DCA75C87E214">
      <MarkInfoRefId>A7C46BDBA4301CA11737E214DCA75C87</MarkInfoRefId>
      <MarkInfoRefId>BA4301CADCA75C8711737E214A7C46BD</MarkInfoRefId>
    </MarkInfoList>
  </TermMarkLists>
</SectionMarkInfo>

```

4.1.4 StudentPeriodAttendance

(SIF Implementation Specification 2.4 - 6.7.9)

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 | | | 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 | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|-----------------------------------|---------------|--------------------------------|--|--|----------------------|
| TimeOut | O | MTSS | The time the student left this class. | xs:time | |
| AttendanceCode | M | MTSS | The local attendance code | xs:token | |
| @AttendanceCodeInfoRefId | M | | | IdRefType | |
| AuditInfo | M | MTSS | An audit trail to help determine who entered this attendance event and when. | | |
| AuditInfo / CreationUser | M | MTSS | Information about which staff member created this attendance record. | | |
| @Type | M | | The role of the staff member for that created this attendance record. | Values: Office Staff School Admin Parent Nurse Teacher Other | |
| 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 | |

| 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_ExtendedElement LIST | |
| SIF_ExtendedElement / PeriodAbsenceValue | M | MTSS ODS | 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 2.4 - 6.7.10)

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

SIF_Events are reported for this object.

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|-----------------------|---------------|--------------------------------|---|-----------|----------------------|
| @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 | |

| 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 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 | Districts must have the ability to enable sending interim grades |
| 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. | List | |
| MarkList / Mark | MR | MTSS | Outer wrapper for marks reported for this section, in this term. | | |
| @MarkInfoRefId | M | MTSS | The Id (GUID) that identifies a mark that was given for this student. | IdRefType | |
| 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 | |

| 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_ExtendedElement | |
| SIF_ExtendedElement / SectionFinalGrade | M | C0143 | The final grade for this section of a course. | xs: token | |

4.2 – Student Information System Objects

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

4.2.1 AttendanceCodeInfo

(SIF Implementation Specification 2.4 - 6.14.1)

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

SIF_Events are reported for this object.

| Element/Attribute | Profile 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 | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|-------------------------|---------------|--------------------------------|--|--|---|
| AttendanceCode | M | MTSS | Locally defined code for attendance | xs:token | |
| AttendanceType | M | MTSS | Type of attendance code | <u>values:</u> Absent Tardy EarlyDeparture Partial Present Other | Present will be assumed for any school day that an event is not sent for a student. |
| AttendanceStatus | M | MTSS | Excused status of the attendance code. | <u>values:</u> 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? | <u>values:</u> Yes No | |
| UsedForPeriodAttendance | M | MTSS | Is this attendance code used for period attendance? | <u>values:</u> Yes No | |

4.2.17 CalendarDate

(SIF Implementation Specification 2.4 - 6.14.3)

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 |
|-----------------------|---------------|--------------------------------|---|------------|----------------------|
| @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., "2026" for the 2025-26 school year). | SchoolYear | |
| CalendarDateType | M | MTSS | Calendar date type information. | | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|--|---|----------------------|
| CalendarDateType/Code | M | MTSS | Code indicating the type of school day. | union of: NCES0084CalendarEventType additional values: INST Instructional School Day MKUP Instructional day that is scheduled solely to make up for emergency days or early dismissal days. | |
| CalendarDateType/OtherCodeList | O | | | | |
| CalendarDateNumber | O | | | | |
| StudentAttendance | M | MTSS | | | |
| StudentAttendance/ CountsTowardAttendance | M | MTSS | Designates whether this date should be counted toward student attendance. | 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 2.4 - 6.14.4)

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

SIF_Events are reported for this object.

| Element/Attribute | 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 | |
| @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. 2026 for the 2025-26 school year). | SchoolYear | |
| LocalId | M | MTSS K0050 | The locally assigned identifier for this calendar | LocalId | |
| Description | M | MTSS K0055 | Textual description of the school calendar. | xs: string | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|----------------------|---------------|--------------------------------|---|-----------------|----------------------|
| 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. | GraduationDate | |
| 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. | GradeLevels | |

4.2.3 DisciplineIncident

(SIF Implementation Specification 2.4 - 6.14.5)

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

SIF_Events are reported for this object.

Usage:

For Iowa State Reporting, the DisciplineIncident object is used to represent an Incident, with one or more StudentRemoval occurrences conveyed by the complex Extended Element "IA Profile Extensions". Complex Extended Element, StudentRemoval, allows all the data elements related to a single occurrence of a student removal to maintain their association to each other, and to be repeatable. In addition, these elements allow for Iowa's state-specific codes. For Iowa 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 XML 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., "2026" for the 2025-26 school year). | SchoolYear | |
| 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. | <u>Values:</u> 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 | |
| IncidentTime | M | MTSS | The time when the incident occurred. | xs:time | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|--|---------------------------------|--|
| IncidentTime /@Type | M | | Identifies whether or not the incident occurred during school hours. | SAFETYTimeType | |
| IncidentLocation | M | MTSS | The locally-defined identifier or description of the location where the incident occurred. | xs:string | See appendix A.4.2.3-1 for code values |
| IncidentLocation /@Type | M | | Identifies where the incident occurred. | NCES1040IncidentLocationType | Vendor default: 9997 Codes don't match with Iowa codes. |
| IncidentLocationRefId | O | MTSS | GUID of the SIF object that relates to the school or location where the incident occurred, if applicable | IDRefType | |
| IncidentLocationRefId / @SIF_RefObject | M | MTSS | The name of the SIF object to which the GUID relates. | <u>Values:</u> SchoolInfo | |
| IncidentReporter | M | MTSS | Information regarding the individual who reported the incident. | | |
| IncidentReporter /@Type | M | MTSS | Identifies the type of individual who reported the incident. | NCES1043ReporterDescriptionType | Vendor default: 9997 Codes don't match with Iowa codes. |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|--|---|----------------------|
| IncidentReporter / Name | M | MTSS | The name of the individual reporting the incident. | Name | |
| IncidentReporter / SIF_RefId | O | MTSS | GUID of the SIF object that relates to the person who reported the incident. | IDRefType | |
| IncidentReporter / SIF_RefId / @SIF_RefObject | M | MTSS | The name of the SIF object to which the GUID relates. | Values: StudentPersonal StaffPersonal EmployeePersonal StudentContact | |
| RelatedToList | O | | List of categories to which the incident is related. | List | |
| RelatedToList / RelatedTo | OR | | Identifies if the incident was related to a specific category. | NCES1048SecondaryIncidentBehaviorType | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|-----------------------------|---------------|--------------------------------|---|--------------------------|--|
| WeaponTypeList | O | | List of weapons involved in the incident. If the incident involves weapons, the element must have a value. Each weapon used in the incident is identified by a WeaponType entry. When multiple weapons of a single type are used, each weapon has a separate entry in this list. Weapons used by individual offenders are also reported in WeaponTypeList entries associated to the offender. | List | Iowa does not use this element. |
| WeaponTypeList / WeaponType | OR | | | NCES1045WeaponTypeType | Iowa does not use this element. |
| IncidentCategory | M | | The category or description for this incident. | | |
| IncidentCategory / Code | M | | Identifies the type of incident being reported. | NCES1049IncidentCodeType | Vendor default: 9000 Codes don't match with Iowa codes. |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|----------------------------------|---------------|--------------------------------|---|---------------------------------|--|
| IncidentCategory / OtherCodeList | O | | List of other codes or strings that crosswalk to or serve as translations of the Code element. If Code changes and OtherCode elements are supported, both Code and all associated OtherCode elements must be present. | OtherCodeList | |
| IncidentCategory / CodeComment | O | 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. | List | |
| OffenderList / Offender | MR | MTSS | Information regarding the offender(s)/perpetrator(s). | | |
| Offender /@Type | M | | Identifies the type of offender involved in the incident. | NCES1043ReporterDescriptionType | Vendor default: 9997 Codes don't match with Iowa codes. |
| OffenderList / Offender / Name | M | MTSS | The name of the offender. | Name | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|---|--|---------------------------------|
| 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. | <u>Values:</u> StudentPersonal StaffPersonal EmployeePersonal | |
| OffenderList / Offender / Injury | O | | Identifies whether or not this specific offender was physically injured, and if so, identifies whether the injury was major or minor. | NCES1046IncidentInjuryType | Iowa does not use this element. |

| 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.) | List | |
| OffenderList / Offender / WeaponTypeList / WeaponType | OR | | Identifies the type of weapon used by the offender during an incident. | NCES1045WeaponTypeType | Iowa does not use this element. |
| VictimList | C | | List of victim(s) if the incident is directed toward specific persons or their property. | | |
| VictimList/Victim | MR | | Information regarding the victim(s) in the incident. | | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|---|---|----------------------|
| @Type | M | | Identifies the type of individual victimized in the incident. | NCES1043ReporterDescriptionType | |
| VictimList/Victim/Name | O | | The name of the victim. | | |
| VictimList/Victim/SIF_RefId | M | | 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. | | |
| SIF_ExtendedElements / SIF_ExtendedElement [@Name="IA Profile Extensions"] | M | | | SIF_ExtendedElement LIST | |
| SIF_ExtendedElement / StudentRemovals | M | | This extended element contains a list of StudentRemovals. | xs: token | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|---|-------------------------------------|---|
| SIF_ExtendedElement / StudentRemovals / StudentRemoval | MR | | | xs: token | |
| 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 |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|--|-----------|--|
| 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 |
| 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 – XML Example of Extended Element “StudentRemovals”

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

4.2.4 LEAInfo

(SIF Implementation Specification 2.4 - 6.14.6)

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

SIF_Events are reported for this object.

| Element/Attribute | 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. | LocalId | |
| StateProvinceId | M | H0070 State ID MTSS | | StateProvinceId | This should represent the submitting entity |
| LEAName | M | State ID MTSS | The LEA Name | LEAName | |
| PhoneNumberList | O | | The LEA's phone number(s) | ActionList (PhoneNumber/ @Type) | |
| PhoneNumberList / PhoneNumber | MR | | | [@Type="0096"] (main) | |
| PhoneNumberList / PhoneNumber / Number | M | MTSS | Phone number. Free-form, but typical U.S. formats include: <ul style="list-style-type: none"> • (###) ###-#### • ###-#### | xs:normalizedString | |
| AddressList | O | | The LEA's address(es) | ActionList (Address/@Type) | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|--|---------------------------------------|----------------------|
| 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 | StateProvince | |
| / AddressList / Address / Country | M | | LEA Country | Country | Vendor default: US |
| AddressList / Address / PostalCode | M | MTSS | LEA Zip Code | xs:normalizedString | |
| SIF_ExtendedElements / SIF_ExtendedElement [@Name="IA Profile Extensions"] | M | | | SIF_ExtendedElement LIST | |
| 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 2.4 - 6.14.9)

This object is for course information.

SIF_Events are reported for this object.

Usage:

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

| Element/Attribute | 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. 2026 for the 2025-26 school year). | SchoolYear | |
| CourseCode | M | C0020 MTSS | School-defined local code for the course. | CourseCode | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|-----------------------------|---------------|--------------------------------|--|--|--|
| StateCourseCode | M | C0035 | State-defined standard course code used to report information about courses. | | 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. | SubjectAreaList | |
| SubjectArea | MR | | Subject matter. | SubjectArea | |
| SubjectArea / Code | M | | | SCEDSecondaryCoursesType/SCE DNonSecondaryCoursesType | |
| SubjectArea / OtherCodeList | M | | | OtherCodeList | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|--|--------------------------|--|
| 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. | xs:normalizedString | |
| SIF_ExtendedElements / SIF_ExtendedElement [@Name="IA Profile Extensions"] | M | | | SIF_ExtendedElement LIST | |
| SIF_ExtendedElement / CourseOrigination | M | C0120 | Indicates the origination of the course. | xs: token | Vendor default: 1 See Usage Note above for business rule. See appendix A.4.2.5-2 for code values |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|---|-------------------------------|---|
| 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 Career-Connected Learning experience for the course? | xs:token | <p>Vendor default: 99</p> <ol style="list-style-type: none"> 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 13: Student Learner Programs 14: Quality Pre-apprenticeships 15: Internships 16: Unregistered Apprenticeships 17. Registered Apprenticeships |

4.2.6 SchoolInfo

(SIF Implementation Specification 2.4 - 6.14.10)

This object contains information about the school.

SIF_Events are reported for this object.

| Element/Attribute | Profile 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 | LocalId | |
| @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. | StateProvinceId | |
| SchoolName | M | State ID MTSS IDEA | Name of school. | xs: normalized string | |
| PhoneNumberList | O | | The school's phone number(s) | ActionList (PhoneNumber/ @Type) | |
| PhoneNumberList / PhoneNumber | MR | | | [@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: <ul style="list-style-type: none"> • (###) ###-#### • ###-#### | xs:normalizedString | |
| AddressList | O | | The school's address(es) | ActionList (Address/@Type) | |
| 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 | StateProvince | |
| / AddressList / Address / Country | M | | School Country | Country | Vendor default: US |
| / AddressList / Address / PostalCode | M | MTSS | School Zip Code | xs:normalizedString | |
| GradeLevels | M | MTSS | Grade levels offered in the school | List | |

4.2.7 SectionInfo

(SIF specification 2.4 - 6.14.11)

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

SIF_Events are reported for this object.

| Element/Attribute | Profile 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 | |
| @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. 2026 for the 2025-26 school year). | SchoolYear | |
| LocalId | M | C0022 MTSS | The locally-assigned identifier for this course section. | LocalId | |
| ScheduleInfoList | M | | | List | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|--|---------------------------------|--|
| ScheduleInfoList / ScheduleInfo | MR | | The schedule-related information for a section repeating for each term in which the section is scheduled. The TermInfoRefId attribute value should repeat as necessary to show the appropriate relationship between meeting times, teachers and rooms. | | |
| @TermInfoRefId | M | MTSS | The Id (GUID) of the term to which this schedule information relates. | IdRefType | |
| ScheduleInfoList / ScheduleInfo / TeacherList | M | MTSS | | List | |
| ScheduleInfoList / ScheduleInfo / TeacherList / StaffPersonalRefId | MR | MTSS | The Id (GUID) of the teacher. | IdRefType | StaffPersonalRefId will be used to provide the section teacher folder number |
| MediumOfInstruction | M | | Description of the location in which the section is taught. | | |
| MediumOfInstruction / Code | M | | Code representing the location of instruction. | NCES0209MediumOfInstructionType | |
| MediumOfInstruction / OtherCodeList | M | | | OtherCodeList | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|---|-------------------------------------|---|
| OtherCodeList / OtherCode | M | C0045 | | | 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_ExtendedElement LIST | |
| SIF_ExtendedElement / SectionProvider | M | C0050 | Institution providing the section of the course, e.g. Iowa school district, Iowa accredited nonpublic school, an AEA, or an out-of-state school, a postsecondary institution. | xs:normalizedString | See Usage Note above SchoolCourseInfo for guidance. |
| SIF_ExtendedElement / SectionSupplementaryFTE | M | C0130 | The course section FTE for supplementary weighting. Numeric value less than 1.000 expressed to 3 decimal places. | xs:decimal xs:fractionDigits - 3 | Vendor default: 0.000 |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|--|-----------|---|
| 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 <i>primary</i> teacher | IdRefType | PrimaryTeacherStaff PersonalRefId will be used to identify the primary teacher for the section. |

4.2.8 StaffAssignment

(SIF Implementation Specification 2.4 - 6.14.12)

This object defines information related to a staff member's assignment(s); commonly, this will be a school assignment and a JobFunction/Code for Iowa 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 | |
| @SchoolInfoRefId | M | MTSS IDEA | The Id (GUID) that identifies the school where the staff member is assigned. | IdRefType | |

| Element/Attribute | Profile Chart | IA DE Collection / Element Code | Description | SIF Type | IA DE Business Rules |
|-----------------------------|---------------|---------------------------------|---|--------------------------|----------------------|
| @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., 2026 for the 2025-26 school year). | SchoolYear | |
| @StaffPersonalRefId | M | MTSS IDEA | Id (GUID) of this staff member, as represented in the StaffPersonal object. | IdRefType | |
| 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 | | |
| JobFunction / Code | M | | Code representing the type of job function. | NCES0568FunctionTypeType | Vendor default: 9999 |
| JobFunction / OtherCodeList | O | | | OtherCodeList | |

| Element/Attribute | Profile Chart | IA DE Collection / Element Code | Description | SIF Type | IA DE Business Rules |
|---------------------------|---------------|---------------------------------|-------------|----------|---|
| OtherCodeList / OtherCode | O | MTSS IDEA | | | <p>Required for staff members who need access to:</p> <ul style="list-style-type: none"> ● Panorama Student Success ● FAST Assessment System ● Iowa IDEA Data System <p>Each staff assignment can have a maximum of one MTSS (1000's) code and multiple FAST (2000's) code.</p> <p>1000: MTSS classroom user 1200: MTSS building user 1300: MTSS district user 1400: MTSS grade-level user</p> <p>2000: FAST classroom user 2200: FAST specialist 2300: FAST school manager 2400: FAST district manager 2500: FAST Non-Public manager 2600: FAST group proctor</p> <p>2290: Access to IDEA data system</p> |

4.2.9 StaffPersonal

(SIF Implementation Specification 2.4 - 6.14.13)

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

SIF_Events are reported for this object.

| Element/Attribute | Profile 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. | LocalId | |
| StateProvinceId | C | C0055 MTSS | The state-assigned identifier for this staff member | StateProvinceId | |
| 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. | LastName [@Type="04"] | |
| Name / FirstName | M | MTSS IDEA | The first name | FirstName [@Type="04"] | |
| Demographics/Gender | O | | Person's gender | Gender | |
| EmailList | M | | A list of email addresses associated with an individual | ActionList (Email/@Type) | |
| EmailList / Email | MR | MTSS IDEA | An email address | xs:normalizedString [@Type="Primary"] | |

4.2.10 StudentAttendanceSummary

(SIF Implementation Specification 2.4 - 6.14.16)

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

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 |
|-----------------------|---------------|--------------------------------|---|----------------|----------------------|
| @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., 2026 for the 2025-26 school year). | SchoolYear | |
| 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 | |
| EndDay | M | MTSS | Number of the last school day to which this object instance applies. | xs:unsignedInt | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|-------------------|---------------|--------------------------------|---|--|---|
| Resident | M | MTSS | <p>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.</p> <p>Note: No SIF_Query SIF_Condition support is required for this element.</p> | <u>values:</u> Yes No Unknown | |
| DaysAttended | M | D0510 MTSS IDEA | <p>The number of days the student attended school when school was in session between the StartDate and EndDate, inclusive.</p> <p>Note: No SIF_Query SIF_Condition support is required for this element.</p> | xs:decimal xs:fractionDigits - 2 | |
| ExcusedAbsences | M | MTSS | <p>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.</p> <p>Note: No SIF_Query SIF_Condition support is required for this element.</p> | xs:decimal xs:fractionDigits - 2 | |
| UnexcusedAbsences | M | MTSS | <p>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.</p> <p>Note: No SIF_Query SIF_Condition support is required for this element.</p> | 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. |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|------------------------------|---------------|--------------------------------|--|-------------------------------------|----------------------|
| 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 | |

4.2.11 StudentContact

(SIF Implementation Specification 2.4 - 6.14.17)

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

SIF_Events are reported for this object.

| Element/Attribute | Profile Chart | IA DE Collection / Element Code | Description | SIF Type | IA DE Business Rules |
|-----------------------|---------------|---------------------------------|--|-----------|----------------------|
| @RefId | M | | The Id (GUID) that uniquely identifies this contact. | RefIdType | |
| @StudentPersonalRefId | M | IDEA | The Id (GUID) of the student whose contact this is. | IdRefType | |

| Element/Attribute | Profile Chart | IA DE Collection / Element Code | Description | SIF Type | IA DE Business Rules |
|-----------------------|---------------|---------------------------------|--|--|--------------------------------|
| LocalId | O | IDEA | The locally-assigned identifier for this contact. Note: LocalId may be used as a unique person identifier rather than a unique contact identifier. In this case, there may be more than one StudentContact instance with the same LocalId. | LocalId | |
| OtherIdList | O | IDEA | Lists all “other” identifiers associated with the contact. | List | |
| OtherIdList / OtherId | MR | IDEA | Lists an “other” identifier associated with the contact. | xs: normalizedString | |
| @Type | M | | Code that defines the type of this other Id. | NCES0147IdentificationSystemType <u>Subset:</u> 0328 0164 0339 9999 0222 0154 0399 0004 0113 5013 | |
| Name | M | IDEA | The name of the contact. Note: Type attribute value of 04 must be used here | NameOfRecordType | |
| Name / LastName | M | IDEA | The last name of the student. | LastName [@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 | The first name of the student. | FirstName [@Type="04"] | Contact's preferred first name. |
| Name / FullName | M | IDEA | A free text field for the complete name. | xs:normalizedString | |
| AddressList | M | IDEA | The contact's address(es). | AddressList | |
| AddressList / Address | M | IDEA | | Address | |
| AddressList / Address / Street / Line1 | M | IDEA | Address line 1. | xs:normalizedString | |
| AddressList / Address / City | M | IDEA | The city part of the address. | xs:normalizedString | |
| / AddressList / Address / PostalCode | M | IDEA | The ZIP/postal code. | xs:normalizedString | |
| PhoneNumberList | M | IDEA | The contact's phone number(s). | PhoneNumberList | PhoneNumber Type="0096" |
| PhoneNumberList / PhoneNumber | M | IDEA | | PhoneNumber | |
| PhoneNumberList / PhoneNumber / Number | M | IDEA | Phone number. Free-form, but typical U.S. formats include: <ul style="list-style-type: none"> • (###) ###-#### • ###-#### | xs:normalizedString | |
| EmailList | M | IDEA | The contact's email address(es). | EmailList | |
| EmailList / Email | M | IDEA | An email address | xs:normalizedString | |

| Element/Attribute | Profile Chart | IA DE Collection / Element Code | Description | SIF Type | IA DE Business Rules |
|------------------------------------|---------------|---------------------------------|---|--|----------------------|
| Relationship | M | IDEA | Defines the relationship of the contact to the student. | Relationship | |
| Relationship / Code | M | IDEA | Code representing the relationship. | NCES0609RelationshipToStudentType | |
| 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 for ContactFlags must have a Yes value. Do not publish the StudentContact instance if one of the child elements does not have a Yes value. | | |
| ContactFlags / ParentLegalGuardian | C | IDEA | Does the individual have parental or legal guardianship responsibility for the student? | <u>values:</u> Yes No Unknown | |
| ContactFlags / PickupRights | C | | This element tells whether or not the contact has pickup rights. | <u>values:</u> Yes No Unknown | |
| ContactFlags / LivesWith | C | | Does the student live with this contact? | <u>values:</u> Yes No Unknown | |
| ContactFlags / AccessToRecords | C | | Does this contact have access to the student's records? | <u>values:</u> 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? | <u>values:</u> Yes No Unknown | |
| ContactFlags / HasCustody | C | | Does this contact have or share custody of the student? | <u>values:</u> Yes No Unknown | |
| ContactFlags / DisciplinaryContact | C | | Is this person to be contacted in case of disciplinary action? | <u>values:</u> Yes No Unknown | |
| ContactFlags / PrimaryCareProvider | C | | Does this person provide daily living or personal assistance to the student? | <u>values:</u> 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 2.4 - 6.14.20)

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

SIF_Events are reported for this object.

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|-----------------------|---------------|--------------------------------|--|------------|----------------------|
| @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. 2026 for the 2025-26 school year). | SchoolYear | |
| AttendanceCodeRefId | 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 | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|--|-------------------------------------|----------------------|
| AttendanceNote | O | MTSS | Note related to this particular attendance. | xs:normalizedString | |
| SIF_ExtendedElements / SIF_ExtendedElement [Name= "IA Profile Extensions"] | M | | | SIF_ExtendedElement LIST | |
| 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 2.4 - 6.14.21)

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

SIF_Events are reported for this object.

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|-------------------|---------------|--------------------------------|--|-----------|----------------------|
| @RefId | M | IDEA | The Id (GUID) that uniquely identifies this student. | RefIdType | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|-----------------------|---------------|-----------------------------------|--|---------------------------------------|---|
| LocalId | M | D0010 State ID MTSS | The locally-assigned identifier for this student. | LocalId | |
| StateProvinceId | C | K0020 State ID MTSS IDEA | The state-assigned identifier for this student. | StateProvinceId | Mandatory for SRI, IDEA and MTSS. |
| OtherIdList | O | | Lists all "other" identifiers associated with the student. | List | |
| OtherIdList / OtherId | MR | State ID | Lists an "other" identifier associated with the student. | xs:normalizedString [@Type="0004"] | Social Security Number is used in Uniq-ID |
| Name | M | | Name of the student. Note: Type value of 04 must be used here. | NameOfRecordType | |
| Name / LastName | M | D0080 State ID MTSS | The last name of the student. | LastName [@Type="04"] | Student's preferred last name. |
| Name / MiddleName | O | MTSS | The middle name of the student. | MiddleName [@Type="04"] | Student's preferred middle name. |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|-------------------------|---------------|--------------------------------|--|--------------------------------------|---------------------------------|
| Name / FirstName | M | D0060 State ID MTSS | The first name of the student. | FirstName [@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. |
| Demographics | M | | Demographics information about the student, contact, staff member, etc. This element occurs within objects such as StudentPersonal, StudentContact, etc. | Demographics | |
| Demographics / RaceList | M | | | List | |
| Race | MR | | | | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|----------------------|---------------|---|--|--|--|
| 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. | Union of: NCES0849RaceType Additional values: A Asian (deprecated) H Hispanic (deprecated) | |
| Race / OtherCodeList | M | | | OtherCodeList | |
| OtherCode | M | State ID MTSS IDEA | | | [@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. | | |
| Demographics / Gender | O | | The person's gender. | Gender | |
| Demographics / BirthDate | M | D0020 State ID MTSS IDEA | The person's date of birth. | BirthDate | |
| Demographics / LanguageList | M | | List of languages an individual uses to communicate. | LanguageList | |
| Language | MR | | | | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---------------------------|---------------|--------------------------------|---|--------------------------------|--|
| Language / Code | M | | The code representing the specific language that an individual uses to communicate. | NISOZ3953LanguageCodes Type | IA uses the ISO 639.2 language codes, SIF uses the NISO Z39.53 codes |
| Language / OtherCodeList | M | | | OtherCodeList | |
| OtherCodeList / OtherCode | M | D0410 MTSS IDEA | | xs:token | Vendor default: eng [@Codeset="StateProvince"] See appendix A.4.2.13-2 for code values |
| ProjectedGraduationYear | O | MTSS | Currently projected graduation year | ProjectedGraduationYear (CCYY) | |
| Immigrant | M | D0330 MTSS | Does the student meet the State criteria for classification as being an immigrant? | | |
| FirstUSEnrollment | O | D0490 | The date on which the student was first enrolled in the US school system. | xs:date | |

| 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_ExtendedElement LIST | |
| 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 | |
| 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 | Sex of student | xs: token | F: Female M: Male |

4.2.14 StudentSchoolEnrollment

(SIF Implementation Specification 2.4 - 6.14.23)

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

SIF_Events are reported for this object.

| Element/Attribute | Profile 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. | <u>values:</u> Home = school responsible for reporting the student's membership/child accounting information Concurrent = school not the primary reporting unit for the student's membership/child accounting 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. | <u>Values:</u> Current = Event/request date falls between EntryDate and ExitDate (inclusive) Historical = Event/request date falls after ExitDate Future = Event/request date falls before EntryDate | |
| @SchoolYear | M | 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. 2026 for the 2025-26 school year). StudentSchoolEnrollment instances must not span multiple school years. | SchoolYear | |
| 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 | | | | |
| EntryType / Code | M | | Code indicating the type of entry for this enrollment | NCES0619EntryTypeType | Vendor default: 9999 |
| EntryType / OtherCodeList | M | | | OtherCodeList | |

| 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. | GradeLevel | |
| GradeLevel / Code | M | D0030 State ID MTSS IDEA | Code representing the grade level. | | See Appendix A.4.2.14-2 for code values |
| Advisor | M | D0055 IDEA | Staff member assigned as an advisor for this enrollment. | IdRefType | |
| @SIF_RefObject | M | | The name of the object referenced. | Values: StaffPersonal | Reference to StaffPersonal object to determine D0055 |
| ExitDate | C | D0220 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 | | | | Required if ExitDate is populated. |
| ExitType / Code | M | | Code indicating the type of exit for this enrollment. | NCES0644ExitWithdrawalType | Vendor default: 9999 |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|--|---|---|
| OtherCodeList | M | | | OtherCodeList | |
| 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_ExtendedElement LIST | |
| 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 / EnrollmentRecordSequence Num | 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 |
| 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 |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|------------------------------------|---------------|--------------------------------|--|----------|--|
| SIF_ExtendedElement / Title1Math | M | D0252 | Did the student participate in a Title I Targeted Assistance Mathematics program at anytime during the year? | xs:token | Vendor default: 0 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 |
| 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 |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|--|----------|---|
| 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 |
| 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 | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|--|----------|--|
| 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 |
| 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 |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|---|-------------------------------------|--|
| 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 |
| 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 | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|--|-------------------------------------|--|
| 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 | |
| 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 |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|--|---|---|
| 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. |
| 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 |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|--|----------|---|
| SIF_ExtendedElement / DiplomaType | M | D0550 | Did the student receive a district diploma by meeting a set of board-approved graduation requirements/credits? | xs:token | Vendor default: 99 1: Yes 0: No 99: Not applicable |
| SIF_ExtendedElement / PostGradLocation | M | D0560 | The graduate's intended post-graduation location. | xs:token | Vendor default: 99 1: In-state 2: Out of state 99: Not applicable |
| SIF_ExtendedElement / PostGradPlan | M | D0570 | The graduate's intended post-graduation plan. | xs:token | Vendor default: 99 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 / RNMathScore | 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. | | Values: Yes, No Do not exclude any records, only mark them with Yes or No. |
| SIF_ExtendedElement / SchoolOverride | O | SRI | | | 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 |
| SIF_ExtendedElement/Ind WBL | 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 |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|-----------------------------|---------------|--------------------------------|---|----------|--|
| SIF_ExtendedElement/STEMPar | M | D0325 | For students who were participants in a STEM Scale Up Program | xs:token | Vendor default: 0 1: Yes 0: No |

4.2.15 StudentSectionEnrollment

(SIF Implementation Specification 2.4 - 6.14.24)

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

SIF_Events are reported for this object.

| Element/Attribute | Profile 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 | |

| 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. 2026 for the 2025-26 school year). | SchoolYear | |
| 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 | |

4.2.16 TermInfo

(SIF Implementation Specification 2.4 - 6.14.26)

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

SIF_Events are reported for this object.

| Element/Attribute | 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 | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|-------------------|---------------|--------------------------------|---|---------------------|---|
| @SchoolYear | M | | School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2026 for the 2025-26 school year). | SchoolYear | |
| 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 | Connor to check whether we should provide a code set / value list |
| TermCode | M | MTSS | Locally-defined codes | xs:normalizedString | |
| TermSpan | M | MTSS | | TermSpan | |

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 2.4 - 6.15.2)

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. | values: StudentRecordExchange StudentPersonal | |
| ReportingDate | M | | The date this record was prepared. | xs:date | |
| StudentPersonalData | M | | Collects elements of interest from StudentPersonal. | | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|--|----------------------------------|--|
| StudentPersonalData / LocalId | O | D0010 | | LocalId | |
| StudentPersonalData / StateProvinceId | M | K0020 | | StateProvinceId | 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 | | SSN | |
| StudentPersonalData / Name | M | | Name of the student. Note: Type value of 04 must be used here. | NameOfRecordType [@Type="04"] | |
| StudentPersonalData / Name/ LastName | M | D0080 | | LastName [@Type="04"] | Student's preferred last name. |
| StudentPersonalData / Name/ FirstName | M | D0060 | | FirstName [@Type="04"] | Student's preferred first name. |
| StudentPersonalData / Name / MiddleName | O | D0070 | | MiddleName [@Type="04"] | Student's preferred middle name. |
| StudentPersonalData / Name/ Suffix | O | D0090 | | xs:normalizedString [@Type="04"] | Student's preferred suffix. |
| StudentPersonalData / OtherNames | O | | Previous, alternate or other names or aliases associated with the student. | OtherNames | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|---|--|---|
| 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 | | LastName | Student's legal last name, where @Type="02" |
| StudentPersonalData / OtherNames / Name / FirstName | M | D0065 | | FirstName | Student's legal first name, where @Type="02" |
| StudentPersonalData / OtherNames / Name / MiddleName | O | D0075 | | MiddleName | 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. | | |
| StudentPersonalData / DemographicsData / RaceList | M | | | RaceList | |
| StudentPersonalData / DemographicsData/ RaceList / Race | MR | | | | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|---|--|--|--|
| StudentPersonalData / DemographicsData / RaceList / Race / Code | M | D0043 D0044 D0045 D0046 D0047 | <p>The general racial category which reflects the individual's recognition of his or her community or with which the individual most identifies.</p> <p>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.</p> | <p>NCES0849RaceType</p> <p>additional values: A Asian (deprecated) H Hispanic (deprecated)</p> | Agent to provide all the race category codes that apply (with a positive indication) to a student. |
| StudentPersonalData / DemographicsData/ Gender | O | | | Gender | M: Male F: Female |
| StudentPersonalData / DemographicsData / BirthDate | M | D0020 | | BirthDate | |
| StudentPersonalData / DemographicsData / HispanicLatino | M | D0042 | | | 1: Yes 0: No |
| StudentPersonalData / AddressList | M | | The address of the student. | ActionList (Address/@Type) | |
| StudentPersonalData / AddressList / Address | MR | | | [@Type="0123"] (mailing address) | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|---|---------------------|----------------------|
| StudentPersonalData / AddressList / Address / Street / Line1 | M | | | xs:normalizedString | |
| StudentPersonalData / AddressList / Address / City | M | | | xs:normalizedString | |
| StudentPersonalData / AddressList / Address / StateProvince | M | | | StateProvince | |
| StudentPersonalData / AddressList / Address / Country | M | | The country code. | Country | Vendor default: US |
| StudentPersonalData / AddressList / Address / PostalCode | M | | | xs:normalizedString | |
| StudentPersonalData / PhoneNumberList | M | | | | |
| StudentPersonalData / PhoneNumberList / PhoneNumber | M | | | [@Type="0096"] | |
| StudentPersonalData / PhoneNumberList / PhoneNumber / Number | M | | Phone number. Free-form, but typical U.S. formats include: <ul style="list-style-type: none"> • (###) ###-#### • ###-#### | 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. | | |
| StudentContactsSummary / ParentGuardian1 | M | | First parent/guardian. | | |
| StudentContactsSummary / ParentGuardian1 / Name | M | | | [@Type="04"] | |
| StudentContactsSummary / ParentGuardian1 / Name / LastName | M | | | | |
| StudentContactsSummary/ ParentGuardian1 / Name / FirstName | M | | | | |
| StudentContactsSummary / ParentGuardian1 / Name/ MiddleName | O | | | | |
| StudentContactsSummary / ParentGuardian2 | O | | Second parent/guardian. | | Agent to provide ParentGuardian2 if available. |
| StudentContactsSummary / ParentGuardian2 / Name | M | | | [@Type="04"] | |
| StudentContactsSummary / ParentGuardian2 / Name / LastName | M | | | | |
| StudentContactsSummary / ParentGuardian2 / Name / FirstName | M | | | | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|---|----------|--|
| StudentContactsSummary / ParentGuardian2 / Name / MiddleName | O | | | | |
| SIF_ExtendedElements / SIF_ExtendedElements / [@Name= "IA Profile Extensions"] | M | | | List | 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 2.4 - 6.15.3)

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. | values: StudentRecord Exchange 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. | | |
| @SchoolAttendedRefId | M | | References the school of record for the student (see SchoolAttended) | IdRefType | |
| StudentSchoolEnrollmentData / GradeLevel | M | D0030 | | GradeLevel | |
| SchoolAttendanceHistory | M | | Chronology of schools attended in the student's academic career, including the current school if enrolled. | List | |
| SchoolAttendanceHistory / SchoolAttended | MR | | Data about each individual school attended. | | |
| @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. | | |
| SchoolAttendanceHistory / SchoolAttended / LEAInfoData / StateProvinceId | M | D0203 | | StateProvinceId | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|--|-------------------|---|
| SchoolAttendanceHistory / SchoolAttended / LEAInfoData / LEAName | M | | | LEAName | |
| SchoolAttendanceHistory / SchoolAttended / SchoolInfoData | M | | Collects elements of interest from SchoolInfo. | | |
| SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / LocalId | M | | | LocalId | Locally assigned ID of the building the student currently attends |
| SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / StateProvinceId | M | | | StateProvinceId | State assigned ID of the building the student currently attends |
| SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolName | M | | | SchoolName | |
| SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList | O | | | SchoolContactList | |
| SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact | M | | | | |
| SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo | M | | | | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|---|-----------------|----------------------|
| SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / Name | M | | | [@Type="04"] | |
| SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / Name/ LastName | O | | | | |
| SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / Name/ FirstName | O | | | | |
| SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / PositionTitle | O | | <p>Role played by this contact in this instance.</p> <p>Examples: Registrar Counselor</p> | | |
| SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / PhoneNumberList | M | | List of PhoneNumber elements. | PhoneNumberList | |
| 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. | PhoneNumber | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|---|---|--|--|
| 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: <ul style="list-style-type: none"> • (###) ###- #### • ###-#### | xs:normalizedString [@ Type="0096"] | |
| SchoolAttendanceHistory / SchoolAttended / MarkingSystems | C | | Note: Mandatory if school of record. Marking systems/grading tables used by the school. | List | |
| SchoolAttendanceHistory / SchoolAttended / MarkingSystems / MarkValueInfoData | MR | | Marking system/grading table used by the school. | | 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. | | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|---|-------------------------|----------------------|
| CurrentCourseActivity / TermInfoData | M | | Collects elements of interest from TermInfo. | | |
| @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., 2026 for the 2025-26 school year). | SchoolYear | |
| CurrentCourseActivity / TermInfoData / StartDate | O | | | PartialDateType | |
| CurrentCourseActivity / TermInfoData / TermSpan | O | | | TermSpan | |
| CurrentCourseActivity / TermInfoData / TermSpan / Code | O | | Code for session type. | NCES0266SessionTypeType | |
| CurrentCourseActivity / Courses | M | | Courses being taken. | List | |
| CurrentCourseActivity / Courses / Course | MR | | Course being taken. | | |
| 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. | | |
| CurrentCourseActivity / Courses / Course / SchoolCourseInfoData / CourseCode | M | C0020 | | CourseCode | Number assigned to the high school course by the district for local use. |
| CurrentCourseActivity / Courses / Course / SchoolCourseInfoData / StateCourseCode | M | C0035 | | StateCourseCode | 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 | | CourseTitle | Title assigned to the high school course by the current district for local use. |
| CurrentCourseActivity / Courses / Course / MarkingPeriod | M | | | | |
| CurrentCourseActivity / Courses / Course / MarkingPeriod / TermInfoData | O | | Information related to the span of time associated with the marking period. | | |
| CurrentCourseActivity/ Courses/ Course/ MarkingPeriod / TermInfoData / StartDate | O | | | PartialDateType | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|---|---------------------|--|
| CurrentCourseActivity / Courses / Course/ MarkingPeriod / TermInfoData / TermSpan | M | | | TermSpan | |
| CurrentCourseActivity / Courses / Course/ MarkingPeriod / TermInfoData / TermSpan / Code | M | | Code for session type. | NCES0266SessionType | See explanation in "Usage" section preceding the SAR object. |
| CurrentCourseActivity / Courses / Course/ MarkingPeriod / GradeLevelWhenTaken | M | | Student's grade level at time of course. | GradeLevel | |
| CurrentCourseActivity / Courses / Course / MarkingPeriod / MarkData | C | | Note: Mandatory if mid-term mark exists. Mid-term mark. | | |
| @MarkValueInfoDataRefId | M | | Reference to marking system at school of record. | IdRefType | |
| CurrentCourseActivity/Courses/Course/MarkingPeriod/MarkData/Percentage | C | | The percent score for this mark (0.00 - 100.00). | xs:decimal | |
| CurrentCourseActivity/Courses/Course/MarkingPeriod/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 | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|---|---------------|--------------------------------|---|---------------------------|--|
| CurrentCourseActivity / Courses / Course / MarkingPeriod / CourseCreditsAttempted | M | | Number of course credits attempted. | xs:decimal | |
| CurrentCourseActivity / Courses / Course / SIF_ExtendedElements | C | | | SIF_ExtendedElements List | |
| CurrentCourseActivity / Courses / Course / SIF_ExtendedElements / SIF_ExtendedElement [@Name="IA Profile Extensions"] | C | | | SIF_ExtendedElement LIST | 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 | | | |
| 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. | List | |
| CourseHistory / Term | OR | | Time spans by which courses are grouped. | | |
| CourseHistory / Term / TermInfoData | M | | Collects elements of interest from TermInfo. | | |

| 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 time span (see SchoolAttended). | IdRefType | |
| 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., 2026 for the 2025-26 school year). | SchoolYear | |
| CourseHistory / Term / TermInfoData / StartDate | O | | | PartialDateType | |
| CourseHistory / Term / TermInfoData / TermSpan | O | | | TermSpan | |
| CourseHistory / Term / Courses | O | | | | |
| CourseHistory / Term / Courses / Course | OR | | | | |
| 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. | | |
| CourseHistory / Term / Courses / Course / SchoolCourseInfoData / CourseCode | O | | | CourseCode | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|---|-----------------|--|
| CourseHistory / Term / Courses / Course / SchoolCourseInfoData / StateCourseCode | M | C0035 | | StateCourseCode | 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 | | CourseTitle | 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. | List | |
| CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod | MR | | Student performance/attendance data for a marking period. | | |
| 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. | | |
| CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / TermInfoData / StartDate | M | | | PartialDateType | |
| CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / TermInfoData / TermSpan | M | | | TermSpan | |
| CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / TermInfoData / TermSpan / Code | M | | Code for session type | NCES0266SessionType | |
| CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / GradeLevelWhenTaken | M | | Student's grade level at time of course. | GradeLevel | Required for Transcript |
| CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / MarkData | C | | | | |
| @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 | |

| Element/Attribute | Profile Chart | IA DE Collection/ Element Code | Description | SIF Type | IA DE Business Rules |
|--|---------------|--------------------------------|---|------------------------------|---|
| CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / MarkData / Numeric | C | | The raw numeric score for this mark. | xs:unsignedInt | |
| 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. | NCES0108CreditTypeEarnedType | |
| CourseHistory / Term / Courses / Course / SIF_ExtendedElements / SIF_ExtendedElement [@Name="IA Profile Extensions"] | C | | | SIF_ExtendedElements LIST | 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 | | | |

| 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. | | |
| 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. | List | |
| AssessmentPerformanceHistory / Assessment | MR | | A record of performance on an individual assessment. | | |
| 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 | | | List | 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 | | | xs:decimal | |
| 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 |

XML 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_ExtendedElement Name="IA Profile Extensions">  
  <CommonCourseNumber>ENG105</CommonCourseNumber>  
  <SectionProvider>17370000</SectionProvider>  
</SIF_ExtendedElement>
```

Example of SIF_ExtendedElement on the root of StudentAcademicRecord:

StudentAcademicRecord / SIF_ExtendedElements / SIF_ExtendedElement Name= "IA Profile Extensions"

```
<SIF_ExtendedElements>  
  <SIF_ExtendedElement Name="IA Profile Extensions">  
    <DiplomaType>1</DiplomaType>  
    <MaximumGPA>4.0</MaximumGPA>  
    <CumulativeWeightedGPA>3.75</CumulativeWeightedGPA>  
    <WeightedClassRank>94</ WeightedClassRank>  
    <BilitLang2>spa</BilitLang2>  
    <BilitLang3>frr</BilitLang3>  
  </SIF_ExtendedElement>  
</SIF_ExtendedElements>
```