SIF PROFILE MAPPINGS

IOWA Department of Education State Reporting

Using Schools Interoperability Framework

Version 1.0.1, 2012-2013

August 14, 2012

SIF PROFILE REVISION HISTORY

Version	Date	Change	Description
1.0	7/16/2012	2012-2013 Release	**2011-2012 Changes since Version 1.1 of the 2011 Profile** • Deleted StudentRecordExchange object • Moved SCEDCode to SIF element StateCourseCode • Moved CPR Course Completion element in SAR to an Extended Element "CPRCourseCompletion" • Deleted Award/Name element from SAR • Deleted SIF element ActivityAwardHistory from SAR • Added crosswalks to Appendix for Migrant, Homeless, IDEA and ELL • Deleted element AdditionalGradRequirementPerfHistory from SAR • Deleted AcademicPerformanceHistory from SAR • Corrected "Profile Char" from "O" to "M" for EmployeeAssignment/ProgramType/OtherCodeList • Changed element names on StudentSchoolEnrollment: Migrant to MigrantCode, Section504 to Section504Code, GiftedTalented to GiftedTalentedCode • Added Extended Element "SectionProvider" to SchoolCourseInfo • Changed Extended Element names in DisciplineIncident/StudentRemoval: WeaponType to RemovalWeaponCode and Duration to RemovalDuration. • Changed DaysEnrolled to DaysEnrolledCurrentYear and DaysPresent to DaysPresentCurrentYear in SAR • Changed Profile Char to "C"for SAR/ CurrentCourseActivity/MarkingPeriod/TermInfoData • Added optional element HomeroomIndicator to SchoolCourseInfo
1.0.1	8/14/2012	Appendix Updates	• Added position code 612 to A.1.6 • Modified description for position code 133 in A.1.6 • Added assignment code 50035 to A.1.7 • Modified description for assignment code 70030 in A.1.7

The revision history provides a means for the readers to easily navigate to the places in the profile where updates have occurred. Significant changes or updates will be listed. Minor changes, such as typos, formatting, and grammar will not be included.

2012-2013 CHANGES

The following changes have been made to this Profile in compliance with the 2012-2013 Iowa EASIER Data Dictionary, v.2.

- Added Element D0834 - Preschool Program 1 Type
- Added Element D0836 - Preschool Program 1 Hours
- Added Element D0838 - Preschool Program 1 Session
- Added Element D0835 - Preschool Program 2 Type
- Added Element D0837 - Preschool Program 2 Hours
- Added Element D0839 - Preschool Program 2 Session

- Deleted Element D0775 – Charter School
- Deleted Element D0783 – Preschool Program
- Deleted Element D0785 - Preschool Program Standards
- Deleted Element D0831 - SWVPP Hours
- Deleted Element D0833 - SWVPP Empowerment Tuition Assistance
- Deleted Element D0832 - SWVPP Parent Paid Tuition
- Change Element Name D0823 - PK Funded by ~~Empowerment~~ Early Childhood Iowa (ECI)
- Added Code '82' to D0180 – Entry Code
- Deleted Code '27' from D0190 – Exit Code
- Changed Element C0010 – Course Title - to Mandatory
- Changed Element C0020 – Course Number - to Mandatory
- Changed C0120 – Course Origination in SchoolCourseInfo - to Mandatory
- Added Extended Element C0120 - CourseOrigination to SectionInfo

DOCUMENT SCOPE

This Profile document is being provided to application vendors based on the Iowa DE File Layouts for EASIER, Uniq-ID, BEDS and ITC.
The source documents used to create this Profile can be found on the official website of the Iowa Department of Education:
http://iowa.gov/educate/index.php?option=com_content&view=article&id=1227&Itemid=2111

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1 - Introduction

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

The *Schools Interoperability Framework*™ (SIF) standard describes both a data model and a transport mechanism by which data is securely requested from, routed, and delivered to authorized applications. Several application vendors already provide SIF-enabling extensions (agents) for their software although most support only a small number of SIF objects and data elements. The full SIF Implementation Specification can be found at http://www.sifassociation.org.

1.1 Purpose

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

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

1.2 How to Use This Document

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

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

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

1.3 Data Collection Workflow

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

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

1.4 Uniq-ID Automation Workflow

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

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

See Appendix section A.2 for the list of fields used as input parameters for the Iowa SLF (Uniq-ID) system.

2 – Breakdown of SIF Objects by State Collection

The table below shows the Iowa DE State Collections and the SIF Objects used to gather their respective data.

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

Collections	Objects	Data
BEDS	StaffAssignment, StaffPersonal, SchoolInfo, EmployeePersonal, EmployeeAssignment, LocationInfo	Staff
EASIER	DisciplineIncident, LEAInfo, SchoolInfo, SchoolCourseInfo, SectionInfo, StaffPersonal, StudentAttendanceSummary, StudentSchoolEnrollment, StudentSectionEnrollment, SectionInfo, StudentPersonal, StudentSnapshot, TermInfo	Student
Uniq-ID	SchoolInfo, StudentPersonal, StudentSchoolEnrollment	Student State ID
ITC	StudentDemographicRecord, StudentAcademicRecord	Student records and transcripts

3 – SIF Object Definition Format

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

- For brevity, only those data elements needed for Iowa State reporting or required by the SIF object itself are listed in each object definition. Optional elements not specifically needed for Iowa State reporting have been omitted from this document to help focus on those required to convey Iowa's data and in SIF mapping terms. *Even though not listed here data for SIF optional elements can and should be provided as best practice where possible.*
- A column has been added to explain any business rules or instructions beyond those defined in the Iowa EASIER Data Dictionary or in documents posted on the BEDS website as they relate to this SIF mapping.
- The column "Profile Char" reflects whether an element or an attribute is Mandatory, Optional or Conditional. "M" stands for Mandatory and means that an Agent must provide this field in every instance of this object. The gray cells in the "Profile Char" column highlight the fields that are Optional in the SIF Specification but Mandatory for Iowa State Reporting. "O" stands for Optional in both SIF and Iowa State Reporting.

Table columns are defined as:

Table Key					
Element/Attribute	**Profile Char**	**IA DE Element Code**	**SIF 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

Note that the collection software operates by making SIF Requests for the data it needs for each collection.

4 - SIF Object Definitions

4.1 – SIS Objects

Usage:

This section describes SIF objects that provide student data out of the Student Information System. StaffPersonal is primarily used for BEDS staff collection; however, there are a few elements related to student data that reference StaffPersonal as well. Most of the BEDS assignment data, at the granularity of course assignments and grade levels will be provided by the SIS SIF Agent, via StaffPersonal and StaffAssignment objects.

4.1.1 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.

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

Element/Attribute **DisciplineIncident**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this DisciplineIncident.	RefIdType	

Element/Attribute **DisciplineIncident**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@SchoolYear	M		School year in which the incident occurred, and for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2007" for the 2006-07 school year).	SchoolYear	
AgencyReporting	M		The Id (GUID) of the school or LEA reporting the incident, usually the school in which the incident occurred.	IdRefType	The RefId of the school.
@SIF_RefObject	M		The name of the SIF object to which the GUID relates.	Values: SchoolInfo LEAInfo	DisciplineIncident object represents the removal of a student from the attending school, associated with StudentSchoolEnrollment. Use SchoolInfo for SIF_RefObject.
IncidentNumber	M	E0005	The locally-defined unique identifier (within the school or school district) to identify this specific incident or occurrence.	xs:normalizedString	
IncidentDate	M		The date when the incident occurred.	xs:date	
IncidentTime	M		The time when the incident occurred.	xs:time	
IncidentTime /@Type	M		Identifies whether or not the incident occurred during school hours.	SAFETYTimeType	
IncidentLocation	M		The locally-defined identifier or description of the location where the incident occurred.	xs:string	
IncidentLocation /@Type	M		Identifies where the incident occurred.	NCES1040IncidentLocationType	
IncidentReporter	M		Information regarding the individual who reported the incident.		
IncidentReporter /@Type	M		Identifies the type of individual who reported the incident.	NCES1043ReporterDescriptionType	
WeaponTypeList	C		List of weapons involved in the incident. If the incident involves weapons, the	List	

Element/Attribute **DisciplineIncident**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			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.		
WeaponTypeList / WeaponType	MR			NCES1045WeaponTypeType	
IncidentCategory	M		The category or description for this incident.		
IncidentCategory / Code	M		Identifies the type of incident being reported.	NCES1049IncidentCodeType	
OffenderList	M		List of offenders.	List	
OffenderList / Offender	MR		Information regarding the offender(s)/perpetrator(s).		
Offender /@Type	M		Identifies the type of offender involved in the incident.	NCES1043ReporterDescriptionType	
OffenderList / Offender / Name	M		The name of the offender.	Name	
OffenderList / Offender / SIF_RefId	C		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		SIF Object to which the SIF_RefId relates.	Values: StudentPersonal StaffPersonal EmployeePersonal	For IA DE Reporting, this will be “StudentPersonal”
OffenderList / Offender / Injury	M		Identifies whether or not this specific offender was physically injured, and if so, identifies whether the injury was major or minor.	NCES1046IncidentInjuryType	

Element/Attribute **DisciplineIncident**	Profile Char	IA DE Element Number	Description	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	MR		Identifies the type of weapon used by the offender during an incident.	NCES1045WeaponTypeType	
SIF_ExtendedElements / SIF_ExtendedElement [@Name="IA Profile Extensions"]	M			SIF_ExtendedElementLIST	
SIF_ExtendedElement / StudentRemovals	M		This extended element contains a list of StudentRemovals.	xs: token	
SIF_ExtendedElement / StudentRemovals / StudentRemoval	MR			xs: token	
SIF_ExtendedElement / StudentRemovals / StudentRemoval / StudentPersonalRefId	M			IdRefType	
SIF_ExtendedElement / StudentRemovals / StudentRemoval / RemovalType	M	E0010	Type of removal: suspension, expulsion or interim setting	xs: token	
SIF_ExtendedElement / StudentRemovals / StudentRemoval / RemovalReason	M	E0020	The primary reason the student was suspended, expelled, or placed in an interim setting	xs: token	
SIF_ExtendedElement / StudentRemovals /	M	E0040	Length of removal in number of FTE school days.	xs: decimal	0.1 to xxx.9 days

Element/Attribute **DisciplineIncident**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
StudentRemoval / RemovalDuration					
SIF_ExtendedElement / StudentRemovals / StudentRemoval / RemovalDate	M	E0050	The date the removal began.	xs: date	
SIF_ExtendedElement / StudentRemovals / StudentRemoval / RemovalWeaponCode	M	E0060	The type of weapon present during or involved in the incident leading to the removal.	xs: token	
SIF_ExtendedElement / StudentRemovals / StudentRemoval / UnsafeSchoolChoiceOffense	M	E0072	Answers the question: Was the offense leading to the removal an Unsafe School Choice Option offense?	xs: token	

DisciplineIncident – XML Example of Extended Element "StudentRemovals"

```
<DisciplineIncident RefId="0A1234FCC1235C7475416D84DE29C09B">
    <SIF_ExtendedElements>
        <SIF_ExtendedElement Name="IA Profile Extensions">
            <StudentRemovals>
                <StudentRemoval>
                    <StudentPersonalRefId>3A1234FCC1235C7475416D84DE29C09A</StudentPersonalRefId>
                    <RemovalType>S</RemovalType>
                    <RemovalReason>W</RemovalReason>
                    <RemovalDuration>11.5</RemovalDuration>
                    <RemovalDate>03/06/2011</RemovalDate>
                    <RemovalWeaponCode>K</RemovalWeaponCode>
                    <UnsafeSchoolChoiceOffense>1</UnsafeSchoolChoiceOffense>
                </StudentRemoval>
            </StudentRemovals>
        </SIF_ExtendedElement>
    </SIF_ExtendedElements>
```

</DisciplineIncident>

4.1.2 LEAInfo

(SIF Implementation Specification 2.4 - 6.14.6)

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

Usage:

Element/Attribute **LEAInfo**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this LEA.	RefIdType	
LocalId	M		The locally-assigned identifier for this LEA.	LocalId	
StateProvinceId	M	H0070 D010A		StateProvinceId	Submitting Entity BEDS (staff data) references D010A and EASIER (student data) references H0070
LEAName	M		The LEA Name.	LEAName	
SIF_ExtendedElements / SIF_ExtendedElement [@Name="IA Profile Extensions"]	M			SIF_ExtendedElement LIST	
SIF_ExtendedElement / SISName	M	H0080		xs:normalizedString	
SIF_ExtendedElement / SISVersion	M	H0090		xs:decimal	

4.1.3 SchoolCourseInfo

(SIF Implementation Specification 2.4 - 6.14.9)

This object is for course information.

Usage:

The Agent is to provide a single SubjectArea code using OtherCode, per SchoolCourseInfo object. Iowa DE will use SubjectArea/OtherCode to represent the EASIER Accreditation Program Area code. See Appendix A.1.10 for Iowa and SCEDSecondaryCoursesType code sets.

The Agent is to provide Iowa SCEDCode element via a single Extended Element. The SCEDCode for Iowa State Reporting differs in the CourseLevel component, which has eight (8) allowable values (B,C,E,G,H,L,S,X), whereas the allowable values for the same SCEDCode component in the SIF Specification has four (4) values (B,G,E,H).

The Agent is to provide the value for the EASIER element Institution Providing Section (C0050) via Extended Element "SectionProvider" on either (or both) the SchoolCourseInfo or SectionInfo objects. This element has a Profile Char of "C" to indicate that a value must be provided on at least one of the objects. The value in SectionInfo for "SectionProvider" will be used as an override where the value in SectionInfo differs from that in SchoolCourseInfo.

Element/Attribute **SchoolCourseInfo**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this school course.	RefIdType	
@SchoolInfoRefId	M		The Id (GUID) that identifies the school where the course is offered.	IdRefType	
@SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year).	SchoolYear	
CourseCode	M	C0020	School-defined local code for the course.	CourseCode	Required for all PK-12 scheduled courses
StateCourseCode	O	C0035	State-defined standard course code used		This element used for Iowa element C0035, named

Element/Attribute **SchoolCourseInfo**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			to report information about courses.		"SCED Course Code" in the EASIER Data Dictionary. Note that the Codeset for the Iowa "SCED Course Code" are state-specific and differ from the codes in the SIF Common element.
SubjectAreaList	M		Subject matter areas.	SubjectAreaList	
SubjectArea	MR		Subject matter.	SubjectArea	
SubjectArea / Code	M			SCEDSecondaryCoursesType/SCEDNonSecondaryCoursesType	
SubjectArea / OtherCodeList	M			OtherCodeList	Required for all 9-12 courses and 3-8 courses with a non-zero SCED Code
OtherCodeList / OtherCode	M	C0040		xs: token	@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.
CourseTitle	M	C0010	Title of the course.	xs:normalizedString	Required for all PK-12 scheduled courses
SIF_ExtendedElements / SIF_ExtendedElement [@Name="IA Profile Extensions"]	O			SIF_ExtendedElementLIST	
SIF_ExtendedElement /CourseOrigination	M	C0120	Indicates the origination of the course.	xs: token	Course (section) origination is reported at the section level. If the vendor includes both a course origination and a section origination, the section origination defaults to the course origination upon creation.

Element/Attribute **SchoolCourseInfo**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SIF_ExtendedElement /CommonCourseNumber	O	C0025	The Common Course Number for an Iowa community college credit course.	xs: token	Three alpha followed by three numeric characters
SIF_ExtendedElement /SectionProvider	C	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	If the institution is an Iowa school district, an Iowa Accreditated Nonpublic School, an AEA, or an Out-of-state School, use the eight-digit Destination Location code. If the institution is postsecondary, use the six-digit Integrated Postsecondary Education Data System (IPEDS) code.
SIF_ExtendedElement /HomeroomIndicator	O		Homeroom course flag.	xs: token	Optional element to be used to associate a StaffPersonal with Homeroom.

4.1.4 SchoolInfo

(SIF Implementation Specification 2.4 - 6.14.10)

This object contains information about the school.

Element/Attribute **SchoolInfo**	Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this school.	RefIdType	
StateProvinceId	M	K0030	The state-assigned identifier for this school.	StateProvinceId	Required for Uniq-ID

Element/Attribute **SchoolInfo**	Char	IA DE Element Number	Description	Type	IA DE Business Rules
SchoolName	M		Name of school.	xs: normalized string	

4.1.5 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.

Element/Attribute **SectionInfo**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this section entity.	RefIdType	
@SchoolCourseInfoRefId	M		The Id (GUID) that identifies the course being taught in this section.	RefIdType	
@SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year).	SchoolYear	

Element/Attribute **SectionInfo**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
LocalId	M	C0022	The locally-assigned identifier for this course section.	LocalId	Required for all 9-12 courses and 3-8 courses with a non-zero SCED Code
ScheduleInfoList	M			List	
ScheduleInfoList/ScheduleInfo	MR		The schedule-related information for a section repeating for each term in which the section is scheduled. The TermInfoRefId attribute value should repeat as necessary to show the appropriate relationship between meeting times, teachers and rooms.		
@TermInfoRefId	M		The Id (GUID) of the term to which this schedule information relates.	IdRefType	
ScheduleInfoList / ScheduleInfo / TeacherList	M			List	
ScheduleInfoList / ScheduleInfo / TeacherList / StaffPersonalRefId	MR		The Id (GUID) of the teacher.	IdRefType	StaffPersonalRefId will be used to provide the

Element/Attribute **SectionInfo**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
					section teacher folder number (EASIER element C0055)
MediumOfInstruction	O		Description of the location in which the section is taught.		
MediumOfInstruction / Code	M		Code representing the location of instruction.	NCES0209MediumOfInstructionType	
MediumOfInstruction / OtherCodeList	M			OtherCodeList	
OtherCodeList / OtherCode	M	C0045			Required for all 9-12 courses and 3-8 courses with a non-zero SCED Code
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	If the institution is an Iowa school district, an Iowa Accreditated Nonpublic School, an AEA, or an Out-of-state School, use eight-digit Destination Location code. If the institution is postsecondary, use the six-digit

Element/Attribute **SectionInfo**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
					IPEDS code.
SIF_ExtendedElement /SectionSupplementaryFTE	M	C0130	The course section for FTE supplementary weighting. Numeric value less than 1.000 expressed to 3 decimal places.	xs:decimal	
SIF_ExtendedElement /CourseOrigination	C	C0120	Indicates the origination of the course/ section	xs: token	Provide if different from CourseOrigination on the Course.

4.1.6 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.

Element/Attribute **StaffAssignment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this staff member's assignment.	RefIdType	
@SchoolInfoRefId	M	A020A	The Id (GUID) that identifies the school where the staff member is assigned.	IdRefType	
@SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2007 for the 2006-07 school year).	SchoolYear	
@StaffPersonalRefId	M		Id (GUID) of this staff member, as represented in the StaffPersonal object.		

Element/Attribute **StaffAssignment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
JobFunction	C		The purpose of the activities as related to students		Agent to provide this element, if available
JobFunction / Code	M		Code representing the type of job function.	NCES0568FunctionType	
JobFunction / OtherCodeList	M			OtherCodeList	
OtherCodeList / OtherCode	M	P610A			[@Codeset="StateProvince"] See Appendix A.1.4 for Iowa Position codes
TeachingAssignment	M		The teacher field taught by the individual		
TeachingAssignment / Code	M		Code representing the type of teaching assignment.	NCES0436TeachingAssignmentType additional values: NA	
TeachingAssignment / OtherCodeList	M			OtherCodeList	
OtherCodeList / OtherCode	M	A410A			[@Codeset="StateProvince"] See Appendix A.1.5 for Iowa Assignment Codes
GradeLevels	O			List	
GradeLevels / GradeLevel	M			GradeLevel	Per staff Assignment, Iowa uses a flag on each grade level.
GradeLevel / Code	M	A425L A426L A427L A428L A429L A430L A431L A432L A433L A434L A435L A436L A437L A438L			

Element/Attribute **StaffAssignment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SIF_ExtendedElements / SIF_ExtendedElement [@Name= "IA Profile Extensions"]	O			SIF_ExtendedElement LIST	
SIF_ExtendedElement / ProgramCode	O	P600A	A program or service; examples: Statewide Voluntary Preschool / ECSE program or Title 1 schoolwide program, or At Risk / Dropout Prevention program.	xs:token	

4.1.7 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.

Usage:
The Agent can provide the EmployeePersonalRefId, if available.

Element/Attribute **StaffPersonal**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this staff member.	RefIdType	
LocalId	M	C001A	The locally-assigned identifier for this staff member.	LocalId	
StateProvinceId	O	D0055	The state-assigned identifier for this staff member	StateProvinceId	Iowa State Folder Number Used for both the EASIER element D0055, the Homeroom/HSAP teacher folder number, and the EASIER element C0055, the section

Element/Attribute **StaffPersonal**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
					teacher folder number, used in course (CR) records.
Name	M		Name of the staff member. Note: Type value of 04 must be used here.	NameOfRecordType	
Name / LastName	M	D050A	The last name.	LastName	[@Type="04"]
Name / FirstName	M	D060A	The first name	FirstName	[@Type="04"]
EmployeePersonalRefId	O		Allows for a linkage to the HR/Fin EmployeePersonal object.	IdRefType	

4.1.8 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.

Element/Attribute **StudentAttendanceSummary**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@StudentPersonalRefId	M		The Id (GUID) of the student for whom this attendance information is being reported.	RefIdType	
@SchoolInfoRefId	M		The Id (GUID) of the school for which this attendance information is being reported.	RefIdType	
@SchoolYear	M			SchoolYear	
StartDate	M		The starting date on which the information in this object instance is applicable.	xs:date	
StartDay	M		Number of the first school day to which this object instance applies.		

Element/Attribute **StudentAttendanceSummary**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
EndDate	M		The ending date on which the information in this object instance is applicable.	xs:date	
EndDay	M		Number of the last school day to which this object instance applies.		
Resident	M		An indication as to whether or not the student's legal residence was within the boundaries of the school during the time between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	values: Yes No Unknown	Not used by Iowa
DaysAttended	M	D0510	The number of days the student attended school when school was in session between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	xs:decimal	
ExcusedAbsences	M		The number of days the student was absent from school with a valid excuse when school was in session between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	xs:decimal	Not used by Iowa
UnexcusedAbsences	M	D0515	The number of days the student was absent from school without a valid excuse when school was in session between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	xs:decimal	
DaysInMembership	M	D0500	The number of days the student was present plus the number of days the student was absent when school was in	xs:decimal	

Element/Attribute **StudentAttendanceSummary**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			session during the period between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.		
StudentSchoolEnrollmentRefId	O		RefId (GUID) of the StudentSchoolEnrollment object instance that corresponds to this object instance.	IdRefType	Use this for IA DE State Reporting

4.1.9 StudentPersonal

(SIF Implementation Specification 2.4 - 6.14.21)

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

Usage:

Iowa Uniq-ID system requires a single race value, which the Agent is to provide via Race/OtherCodeList/OtherCode. See Appendix A.1.11 for the Iowa codes.

Element/Attribute **StudentPersonal**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this student.	RefIdType	
LocalId	M	D0010	The locally-assigned identifier for this student.	LocalId	Required for Uniq-ID
StateProvinceId	C	K0020	The state-assigned identifier for this student.	StateProvinceId	Required for EASIER, used for Uniq-ID if available.

Element/Attribute **StudentPersonal**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
OtherIdList	O		Lists all "other" identifiers associated with the student.	List	IA uses only one OtherId.
OtherIdList / OtherId	MR	D0160	Lists an "other" identifier associated with the student.	xs:normalizedString	[@Type="0004"] Social Security Number Used in Uniq-ID
Name	M		Name of the student. Note: Type value of 04 must be used here.	NameOfRecordType	
Name / LastName	M	D0080	The last name of the student.	LastName	[@Type="04"] Required for Uniq-ID
Name / MiddleName	O	D0070	The middle name of the student.	MiddleName	[@Type="04"] Used for Uniq-ID
Name / FirstName	M	D0060	The first name of the student.	FirstName	[@Type="04"] Required for Uniq-ID
Name / Suffix	O	D0090	Generation of suffix like II, Jr., etc.	xs: normalizedString	[@Type="04"] Used for Uniq-ID
Demographics	M		Demographics information about the student, contact, staff member, etc. This element occurs within objects such as StudentPersonal, StudentContact, etc.	Demographics	
Demographics / RaceList	M			List	
Race	MR				
Race / Code	M	D0043 D0044 D0045 D0046 D0047	The general racial category which reflects the individual's recognition of his or her community or with which the individual most identifies. In a given SIF implementation Agents must have alignment on the use of the NCES and deprecated SPEEDE code sets. Agents are not required to translate between the code sets.	Union of: NCES0849RaceType Additional values: A Asian (deprecated) H Hispanic (deprecated)	At least one of the five race categories must be marked 1 (yes). IA state reporting requests a flag on each of the five possible races (IA race categories match that of the NCES0849RaceType list). Agent to provide NCES code for each race that has a positive indication.
Race / OtherCodeList	M			OtherCodeList	
OtherCode	M	D0035			[@Codeset="StateProvince"] Required for Uniq-ID ("Race/Ethnicity_StateID"). See

Element/Attribute **StudentPersonal**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
					Appendix A.1.11
Demographics / HispanicLatino	M	D0042	An indication that the individual traces his or her origin or descent to Mexico, Puerto Rico, Cuba, Central or South America, or other Spanish cultures, regardless of race.	HispanicLatino values: Yes No	
Demographics / Gender	M	D0050	The person's gender.	Gender	Required for Uniq-ID
Demographics / BirthDate	M	D0020	The person's date of birth.	BirthDate	Required for Uniq-ID
Demographics / LanguageList	M		List of languages an individual uses to communicate.	LanguageList	
Language	MR				
Language / Code	M		The code representing the specific language that an individual uses to communicate.	NISOZ3953LanguageCodesType	IA uses the ISO 639.2 language codes, SIF uses the NISO Z39.53 codes
Language / OtherCodeList	O			OtherCodeList	
OtherCodeList / OtherCode	M	D0410		xs:token	[@Codeset="StateProvince"] See IA EASIER Data Dictionary for Home Language.
Immigrant	M	D0330	Does the student meet the State criteria for classification as being an immigrant?	Immigrant Values: Yes, No, Unknown	IA values: 1=Yes, 0=No. Agent to provide 'Yes' or 'No'
FirstUSEnrollment	O	D0490	The date on which the student was first enrolled in the US school system.	xs:date	MM/DD/CCYY

4.1.10 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.

Element/Attribute **StudentSchoolEnrollment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this	RefIdType	

Element/Attribute **StudentSchoolEnrollment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			enrollment.		
@StudentPersonalRefId	M		The Id (GUID) of the student to whom this information is linked.	IdRefType	
@SchoolInfoRefId	M		The Id (GUID) of the school to which this enrollment applies.	IdRefType	
@MembershipType	M		The type of this enrollment as it relates to the school identified in SchoolInfoRefId.	values: **Home** = school responsible for reporting the student's membership/child accounting information **Concurrent** = school not the primary reporting unit for the student's membership/child accounting information **Summer** = summer school enrollment, not part of the regular school year	
@TimeFrame	M		The timeframe of the enrollment based on the SIF_Date in the SIF_Header of the message. For events, it is determined as of the date the event is generated. For requests and responses, it is calculated based on the date of the request.	Values: **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		School year for which this enrollment is	SchoolYear	Required for Uniq-ID

Element/Attribute **StudentSchoolEnrollment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year). StudentSchoolEnrollment instances must not span multiple school years.		
EntryDate	M	D0185	The date from when this enrollment is valid.	xs:date	
EntryType	M				
EntryType / Code	M		Code indicating the type of entry for this enrollment	NCES0619EntryTypeType	
EntryType / OtherCodeList	M			OtherCodeList	
OtherCodeList / OtherCode	M	D0180		xs:token	[@Codeset="StateProvince"] See Appendix A.1.2 for Entry Type Codes Required for EASIER and Uniq-ID
GradeLevel	O		Grade or academic level of student for this enrollment.	GradeLevel	
GradeLevel / Code	M	D0030	Code representing the grade level.		Required for Uniq-ID
Advisor	C		Staff member assigned as an advisor for this enrollment.	IdRefType	Must provide when available
@SIF_RefObject	M	D0055	The name of the object referenced.	Values: StaffPersonal	Use to bridge to StaffPersonal/StateProvinceId to provide the Folder Number (state assigned license number) of the student's homeroom teacher or home school teacher.
ExitDate	C	D0220	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	
ExitType	O				

Element/Attribute **StudentSchoolEnrollment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
ExitType / Code	O		Code indicating the type of exit for this enrollment.	NCES0644ExitWithdrawalTypeType	
OtherCodeList	O			OtherCodeList	
OtherCodeList / OtherCode	M	D0190		xs:token	[@Codeset="StateProvince"] See Appendix A.1.3 for ExitType Codes
FTE	M	D0495	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	
SIF_ExtendedElements / SIF_ExtendedElement [@Name= "IA Profile Extensions"]	M			SIF_ExtendedElementLIST	
SIF_ExtendedElement / AttendingDistrict	M	D0203	State assigned ID of the district where the student is counted for attendance purposes	xs:token	Required for Uniq-ID
SIF_ExtendedElement / CPIDualEnrollment	M	D0244	Is the CPI K-12 student dual enrolled for academic activities, extracurricular activities, or both?	xs:token	
SIF_ExtendedElement / ResDistrict	M	D0200	State assigned code of the district where the parents, custodial parent, or guardian resides	xs:token	Required for Uniq-ID
SIF_ExtendedElement /ResCounty	M	D0215	State assigned county in which the student resides; 2-digit county code	xs:token	
SIF_ExtendedElement / AccountableDistrict	O	D0207	State assigned code of the public district where the student has his/her primary enrollment	xs:token	
SIF_ExtendedElement /FosterCare	M	D0230	Is the student in foster care?	xs:token	
SIF_ExtendedElement /SvcProviderOrFacility	O	D0217	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, 8 digit code for the Service Provider or Residential Facility.	xs:token	

Element/Attribute **StudentSchoolEnrollment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SIF_ExtendedElement /SvcOrFacilityType	M	D0218	Identifies the type of service students are receiving from selected providers.	xs:token	
SIF_ExtendedElement / ReceivingEduServices	M	D0228	Is the exited expelled or ill student receiving educational services from the district?	xs:token	
SIF_ExtendedElement / DestinationCode	M	D0224	The type of destination location.	xs:token	
SIF_ExtendedElement / DestinationLocation	O	D0225	State assigned code for the specific destination; eight digit code.	xs:token	
SIF_ExtendedElement / EnrollmentRecordSequenceNum	M	E0130	Sequential numeric order of the enrollment record within the student's enrollment history	xs:decimal	
SIF_ExtendedElement / NonpublicSchoolNumber	O	K0040	State assigned code of the nonpublic school where the student has his / her primary enrollment; eight numeric characters	xs:token	
SIF_ExtendedElement / GradStatus	M	D0530	Has the student graduated at the time the record is being sent?	xs:token	
~~SIF_ExtendedElement / CharterSchool~~	~~M~~	~~D0775~~	~~Did the student attend a state approved Charter School at any time during the year?~~	~~xs:token~~	Element no longer in use
SIF_ExtendedElement / PreschoolAttendance	M	D0780	Did the Kindergarten student attend preschool within the 12 months prior to kindergarten entry?	xs:token	
SIF_ExtendedElement / Title1Reading	M	D0250	Did the student participate in a Title I Targeted Assistance Reading program at anytime during the year?	xs:token	
SIF_ExtendedElement / Title1Math	M	D0252	Did the student participate in a Title I Targeted Assistance Mathematics program at anytime during the year?	xs:token	
SIF_ExtendedElement / Title1SchoolChoice	M	D0770	The decision when a student applied for Title I School Choice during the current school year, e.g. value of "1" = applied and changed schools.	xs:token	

Element/Attribute **StudentSchoolEnrollment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SIF_ExtendedElement / SchoolOfferingTitle1SchoolChoice	O	D0765	The school number of the school required to offer Title I School Choice; four numeric characters.	xs:token	
SIF_ExtendedElement / Title1SupplSvcs	M	D0305	The decision when a student applied for supplemental services	xs:token	
SIF_ExtendedElement / FreeLunch	M	D0270	Is the student approved for free lunch at the time of submission?	xs:token	
SIF_ExtendedElement / ReducedLunch	M	D0280	Is the student approved for reduced lunch at the time of submission?	xs:token	
SIF_ExtendedElement / IEP	M	D0290	Does the student have an IEP?	xs:token	
SIF_ExtendedElement / CEIS	M	D0760	Did the student receive Coordinated Early Intervening Services (CEIS) funded by IDEA Part B during the current year?	xs:token	
SIF_ExtendedElement / StudentOptionTransfer	M	D0315	What is the status of the transfer under the Unsafe School Individual Student Option?	xs:token	
SIF_ExtendedElement / AtRisk	M	D0345	Was the student considered to be at risk at any time during the year?	xs:token	
SIF_ExtendedElement / Migrant	M	D0320	Was the student considered to be at risk at any time during the year?	xs:token	
SIF_ExtendedElement / C21LearningCtr	M	D0335	Did the student participate in a 21st Century Community Learning Center program for 30 days or more between July 1 and June 30 of the current year?	xs:token	
SIF_ExtendedElement / HomelessType	M	D0340	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	
SIF_ExtendedElement / UnaccompaniedYouth	M	D0341	Is the homeless student considered to be an unaccompanied youth?	xs:token	
SIF_ExtendedElement / HomelessMcKinneyVentoServed	M	D0800	Was the homeless student served through McKinney-Vento funds at any time during the school year?	xs:token	

Element/Attribute **StudentSchoolEnrollment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SIF_ExtendedElement / ELLStatus	M	D0420	Date immigrant or ELL student began continuous enrollment in a U.S. school.	xs:token	
SIF_ExtendedElement / ELLPlacementInstrument	M	D0440	The instrument used to determine the initial English proficiency level for program or services placement	xs:token	
SIF_ExtendedElement / ELLPlacementProficiency	M	D0450	The English proficiency level determined by the ELL placement instrument	xs:token	
SIF_ExtendedElement / ELLPlacementDate	O	D0460	Date a student was most recently placed in the district's ELL program or began receiving ELL services	xs:date	
SIF_ExtendedElement / ELLExitDate	O	D0465	Date student was classified as ELL Status 4 (Exited)	xs:date	
SIF_ExtendedElement / ELLInstructionalProgram	M	D0470	The instructional program of a current ELL student.	xs:token	
~~SIF_ExtendedElement / PKProgram~~	~~M~~	~~D0783~~	~~Is the preschool student in a Statewide Voluntary Preschool Program initially funded by a Department of Education grant?~~	~~xs:token~~	Element no longer in use
~~SIF_ExtendedElement / PKProgramStandards~~	~~M~~	~~D0785~~	~~The standards met by the preschool program that the student attends~~	~~xs:token~~	Element no longer in use
SIF_ExtendedElement / PKHeadStartFunded	M	D0821	Is the PK student funded by Head Start?	xs:token	
SIF_ExtendedElement / PKSharedVisionsFunded	M	D0822	Is the PK student funded by Shared Visions?	xs:token	
SIF_ExtendedElements / SIF_ExtendedElement / PKECIFunded	M	D0823	Is the PK student funded by ECI?	xs:token	
SIF_ExtendedElement / PKParentFunded	M	D0824	Is the PK student funded by his / her parent?	xs:token	
SIF_ExtendedElement / PKTitle1Funded	M	D0825	Is the PK student funded by Title 1?	xs:token	
SIF_ExtendedElement / PKSWVPPFunded	M	D0826	Is the PK student funded by the State Wide Voluntary Preschool Program (SWVPP)?	xs:token	

Element/Attribute **StudentSchoolEnrollment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SIF_ExtendedElement / PKFundedByOther	M	D0827	Is the PK student funded by the other sources such as private business?	xs:token	
~~SIF_ExtendedElement / SWVPPHours~~	~~O~~	~~D0831~~	~~The hours per week the student attends SWVPP, to the nearest whole number.~~	~~xs:decimal~~	Element no longer in use
~~SIF_ExtendedElement / SWVPPParentPaidTuition~~	~~O~~	~~D0832~~	~~The tuition per week the parent pays for the SWVPP.~~	~~xs:decimal~~	Element no longer in use
~~SIF_ExtendedElement / SWVPPEmpowerTuitionAssist~~	~~O~~	~~D0833~~	~~The amount per week of empowerment tuition assistance for the SWVPP, paid by empowerment, to the nearest dollar.~~	~~xs:decimal~~	Element no longer in use
SIF_ExtendedElement / SportsParticipation	M	D0235	Did the 9-12 grade student participate in interscholastic athletics at any time during the year?	xs:token	
SIF_ExtendedElement / Program1	O	D0352	Specific programs determined by the Department of Education or locally.	xs:token	
SIF_ExtendedElement / Program2	O	D0354		xs:token	
SIF_ExtendedElement / Program3	O	D0356		xs:token	
SIF_ExtendedElement / Section504	M	D0300	Does the student have a 504 plan?	xs:token	
SIF_ExtendedElement / GiftedTalented	M	D0310	Has the student been identified as gifted/talented at any time during the current school year?	xs:token	
SIF_ExtendedElement / Preschool Program1Type	M	D0834	Type of program for the primary enrollment of a preschool student.	xs:token	
SIF_ExtendedElement / Preschool Program1Hours	M	D0836	Number of hours preschool student is attending Preschool Program 1.	xs:decimal	
SIF_ExtendedElement / Preschool Program1Session	O	D0838	The user defined code for this preschool session.	xs:token	
SIF_ExtendedElement / Preschool Program2Type	M	D0835	Type of program for the secondary enrollment of a preschool student, if applicable.	xs:token	
SIF_ExtendedElement / Preschool Program2Hours	M	D0837	Number of hours preschool student is attending Preschool Program 2.	xs:decimal	
SIF_ExtendedElement / Preschool Program2Session	O	D0839	The user defined code for this preschool session.	xs:token	

4.1.11 StudentSectionEnrollment

(SIF Implementation Specification 2.4 - 6.14.24)

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

Usage:

StudentSectionEnrollment does not carry any data that is directly used by Iowa DE State Reporting. This object will be used to tie the student to the section, and the section to the course.

Element/Attribute **StudentSectionEnrollment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this StudentSectionEnrollment.	RefIdType	
@StudentPersonalRefId	M		The Id (GUID) of the student to whom this information applies.	IdRefType	
@SectionInfoRefId	M		The Id (GUID) of the section in which this student is enrolled.	IdRefType	
@SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year).	SchoolYear	

4.1.12 StudentSnapshot

(SIF Implementation Specification 2.4 - 6.14.25)

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

SIF_Events are not reported for this object.

Element/Attribute **StudentSnapshot**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@SnapDate	M		The date the data snapshot was taken. Some elements are provided/calculated as of the SnapDate, and some are provided as of the date the object is requested (i.e., some can be historical and some will represent the last information available/last known value). In a SIS the following elements are provided/calculated as of the SnapDate: Age, HomeEnrollment and all its child elements. Other applications (e.g., data warehouses) may be able to provide values for other elements on various snap dates.	xs:date	
@StudentPersonalRefId	M		The Id (GUID) of the student to whom this information applies.	IdRefType	
@SchoolYear	M		School year in which the SnapDate falls, and for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006-07 school year).	SchoolYear	
LocalId	M		The locally-defined identifier for this student.	LocalId	
HomeEnrollment	M		Enrollment-related information for the school that is responsible for reporting the student's membership/child accounting information. This is most likely the primary enrollment site for the student.		
HomeEnrollment/Status	M		Enrollment status as of the SnapDate.	Values: Active, Inactive, Unreported	
HomeEnrollment/GradeLevel	M		Grade or academic level of student.	GradeLevel	
SIF_Extended Elements / SIF_ExtendedElement / [@Name= “IA Profile Extensions”]	M			SIF_ExtendedElement LIST	

Element/Attribute **StudentSnapshot**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SIF_ExtendedElement / DistrictEntryDate	M	D0210	The most recent date that begins continuous enrollment in the district	xs:date	
SIF_ExtendedElement / DiplomaType	M	D0550	Type of diploma received.	xs:token	
SIF_ExtendedElement / PostGradLocation	M	D0560	The graduate's intended post-graduation location.	xs:token	
SIF_ExtendedElement / PostGradPlan	M	D0570	The graduate's intended post-graduation plan.	xs:token	
SIF_ExtendedElement / KLitAssessment	M	D0735	The test used to assess the literacy level of a kindergarten student	xs:token	
SIF_ExtendedElement / KLAScore1	O	D0745	The first score of the assessment identified as the Kindergarten Literacy Assessment	xs:decimal	
SIF_ExtendedElement / KLAScore2	O	D0746	The second score of the assessment identified as the Kindergarten Literacy Assessment	xs:decimal	
SIF_ExtendedElement / "KLAScore3	O	D0747	The third score of the assessment identified as the Kindergarten Literacy Assessment	xs:decimal	
SIF_ExtendedElement / RNSReadingScore	M	D0752	What was the reason no state reading assessment score will be reported for this student?	xs:token	
SIF_ExtendedElement / RNSMathScore	M	D0754	What was the reason no state math assessment score will be reported for this student?	xs:token	
SIF_ExtendedElement / RNSScienceScore	M	D0756	What was the reason no state science assessment score will be reported for this student?	xs:token	

4.1.13 TermInfo

(SIF Implementation Specification 2.4 - 6.14.26)

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

Element/Attribute **TermInfo**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId			The Id (GUID) that uniquely identifies this TermInfo entity.	RefIdType	
@SchoolInfoRefId	M		The Id (GUID) that identifies the school where the term is used.	IdRefType	
@SchoolYear	M		School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2007 for the 2006-07 school year).	SchoolYear	
StartDate	M		Starting date of the term.	xs:date	
EndDate	M		Ending date of the term (CCYYMMDD).	xs:date	
TermCode	O		Locally-defined codes	xs:normalizedString	

4.2 - HR SIF Objects

4.2.1 EmployeeAssignment

(SIF Implementation Specification 2.4 - 6.8.3)

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

Element/Attribute **EmployeeAssignment**	Profil e Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this	RefIdType	

Element/Attribute **EmployeeAssignment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			staff member assignment.		
@EmployeePersonalRefId	M		This GUID referencing the parent EmployeePersonal object	IdRefType	
Description	M		Short assignment description	xs:string	
PrimaryAssignment	M		Is this the staff member's primary assignment? There must be one and only one instance of the object with Yes in this value per school year.	values: Yes No	
JobFTE	M	P620A	Full-time job equivalent ratio for this assignment. (Format is x.xx; an employee who is full-time and who spends 50% of their time on this assignment would be represented as 0.50)	xs:decimal xs:minInclusive-0 xs:maxInclusive-1 xs:fractionDigits-2	
LocationInfoRefId	O	A020A	This is an optional element so the placement of the employee within the agency can be tracked as needed. The GUID references the LocationInfo object.	IdRefType	
JobClassification	M				
JobClassification/Code	M		The specific group of duties or responsibilities of position.	NCES0557JobClassificationType	
JobClassification/OtherCodeList	M			OtherCodeList	
OtherCodeList/OtherCode	M	P610A		OtherCode	[@Codeset="StateProvince"] See Appendix A.1.6 for Iowa Position codes
ProgramType	M				
ProgramType/Code	M		The code for the type of instructional or non-instructional program.	NCES0229ProgramTypeType	
OtherCodeList	M			OtherCodeList	
OtherCode	M	P600A		OtherCode	[@Codeset="StateProvince"] See Appendix A.1.8 for Iowa Program Codes.
SIF_ExtendedElements /	M			SIF_ExtendedElement	

Element/Attribute **EmployeeAssignment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SIF_ExtendedElement / [@Name= "IA Profile Extensions"]				LIST	
SIF_ExtendedElement / AssignmentCode	M	A410A	The code to indicate the course title of an assignment.	xs:token	See Appendix A.1.7 for Iowa Assignment codes
SIF_ExtendedElement / Shared	O	A450A	Staff person works in more than one district, but one district pays the salary/wage.	xs:token	
SIF_ExtendedElement / SharedDistrict	O	A460A	District that you are sharing with. If the entity that holds the contract is not a public district, nonpublic school, or AEA leave this blank.	xs:token	
SIF_ExtendedElement / AtRiskAssurance	O	A470L	The district gives the department an assurance that the teacher, in the classroom teaching at-risk kids, is properly licensed or working with another teacher who is properly licensed.	xs:token	
SIF_ExtendedElement / SpEdConsultative	O	A480L	The delivery method used in the special education classroom is "Consultative". In other words the teacher is working with another teacher in order to instruct the special education students in core content.	xs:token	
SIF_ExtendedElement / SpEdCore	O	A481L	The delivery method used in the special education classroom is "Core content delivered in Special Education Classroom". In other words the teacher of record for core content classes is the teacher in the Special Education Classroom who is appropriately licensed to teach the core content for the class.	xs:token	
SIF_ExtendedElement / SpEdAltAssessment	O	A482L	The delivery method used in the special education classroom is "Special Education Classroom with alternate assessment". In other words the students are given an alternate assessment rather than the district wide assessment.	xs:token	

Element/Attribute **EmployeeAssignment**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
SIF_ExtendedElement / ParaEducatorCert"	O	A491L	An indication that the paraprofessional met the paraprofessional requirements by obtaining para-educator certification. The para-educator should have a folder number.	xs:token	
SIF_ExtendedElement / ParaEarlyChildhoodCert"	O	A492L	An indication that the paraprofessional met the paraprofessional requirements by obtaining para-educator certification with an area of concentration in Early Childhood. The para-educator should have a folder number.	xs:token	
SIF_ExtendedElement / ParaProfCDA	O	A493A	An indication that the paraprofessional met the paraprofessional requirements by obtaining the CDA (Child Development Associate) designation.	xs:token	
SIF_ExtendedElement / ParaProf48HrsCollege	O	A494A	An indication that the paraprofessional met the paraprofessional requirements by completing at least 48 semester hours of college credit.	xs:token	
SIF_ExtendedElement / ParaProfDistAssessment	O	A495A	An indication that the paraprofessional met the paraprofessional requirements by completing district assessment.	xs:token	
SIF_ExtendedElement / ParaProfAADegree	O	A496A	An indication that the paraprofessional met the paraprofessional requirements by obtaining an AA degree or higher.	xs:token	
SIF_ExtendedElement / ParaProfNone	O	A497A	None of the above apply.	xs:token	

4.2.2 EmployeePersonal

(SIF Implementation Specification 2.4 - 6.8.5)

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

Usage:

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

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

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

Element/Attribute **EmployeePersonal**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this staff member.	RefIdType	
StateProvinceId	O	D040L	The state-assigned identifier for this staff member.	StateProvinceId	This is the IA state-assigned Folder Number
OtherIdList	M		List all "other" Ids associated with the employee.	List	
OtherIdList/OtherId	M	C001A	This field can hold a SSN, state or locally assigned Id.	xs:normalizedString	Iowa uses a single OtherId per EmployeePersonal (for the Local Staff ID) [@Type="Local"]
Name	M		Name of employee.	BaseNameType	
Name/LastName	M	D050A	The last name.	LastName	[@Type="04"]
Name/FirstName	M	D060A	The first name.	FirstName	[@Type="04"]
Demographics	M		This element contains information related to employee demographics.	Demographics	
Demographics/RaceList	M			RaceList	
RaceList/Race	MR				
Race/Code	M	D083A D084A D085A D086A D087A	The general racial category which reflects the individual's recognition of his or her community or with which the individual most identifies. In a given SIF implementation Agents must have	NCES0849RaceType	Agent to provide a list of race codes associated with an employee, using the NCES codes. See Usage for more detail.

Element/Attribute **EmployeePersonal**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			alignment on the use of the NCES and deprecated SPEEDE code sets. Agents are not required to translate between the code sets.		
Demographics/HispanicLatino	O	D082A		HispanicLatino Values: Yes, No	IA codes: 1=Yes, 0=No Agent to provide Yes, No values.
Demographics/Gender	O	D070A		Gender values: M, F, U	
Demographics/BirthDate	O	D090A		BirthDate	
SIF_ExtendedElements / SIF_ExtendedElement / [@Name= "IA Profile Extensions"]	M			SIF_ExtendedElement LIST	
SIF_ExtendedElement / PrimarySchool	O	D020A	The 4 digit number of the building in which the staff person works/spends a majority of their time/or starts their day.	xs: token	
SIF_ExtendedElement / HighestDegree	O	D100L	Highest degree attained	xs: token	
SIF_ExtendedElement / TotalYrsExperience	O	D120L	Total number of years of experience completed (in whole numbers) in K-12 education. If this is the first year, enter zero.	xs: decimal	
SIF_ExtendedElement / DistrictExperience	M	D130A	Total number of years of experience completed (in whole numbers) in this district. If this is the first year enter zero.	xs: decimal	
SIF_ExtendedElement / ContractDays	M	D150A	Number of days contracted or if not a contract employee, the number of days the employee is expected to work.	xs: decimal	
SIF_ExtendedElement / "BaseSalary	M	D160A	The amount of gross salary or wage to be paid for normal work duties before deductions, less amount to be paid from Teacher Compensation funds.	xs: decimal	
SIF_ExtendedElement / ExtraComp	O	D161A	The amount of salary or wage to be paid for extra duties such as extracurricular	xs: decimal	

Element/Attribute **EmployeePersonal**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
			activities, extended contract, bonus pay, Incentive Pay, Performance Pay, Stipends, activities that are outside the regular salary schedule.		
SIF_ExtendedElement / BonusPay	O	D164AEA	The amount of salary or wage to be paid by an AEA as Bonus pay.	xs: decimal	
SIF_ExtendedElement / ProfDevelopmentDollars	O	D162L	The amount of salary or wage to be paid from teacher quality professional development funds received.	xs: decimal	
SIF_ExtendedElement / TeacherSalarySupplement	O	D163L	The amount of salary or wage to be paid from teacher compensation funds received.	xs: decimal	
SIF_ExtendedElement / RetirementBenefits	O	D170A	The amount to be paid by the district for retirement and FICA; and the employee's share of retirement if paid by the district.	xs: decimal	
SIF_ExtendedElement / Annuities	O	D173AEA	The amount to be paid by the AEA for annuities.	xs: decimal	
SIF_ExtendedElement / HealthBenefits	O	D171A	The amount to be paid by the district for health benefits such as health insurance, dental insurance, disability insurance, vision insurance, long-term care insurance.	xs: decimal	
SIF_ExtendedElement / OtherBenefits	O	D172A	The amount to be paid by the district for other benefits such as IRS value of housing allowance, IRS value of automobile allowances whether purchased or provided, pay for unused vacation/sick leave, life insurance, other insurance.	xs: decimal	

4.2.3 LocationInfo

(SIF Implementation Specification 2.4 - 6.8.17)

LocationInfo represents a location in a district.

Element/Attribute **LocationInfo**	Profile Char	IA DE Element Number	Description	Type	IA DE Business Rules
@RefId	M		The Id (GUID) that uniquely identifies this location.	RefIdType	
@LocationType	M		Defines whether the location is a school or a non-school location.	values: School NonSchool	
SiteCategory	M		Specific site category. Examples Prep Site Satellite Central Kitchen Warehouse Storage Central Office Other	xs:normalizedString	
Name	M		Text name of the location	xs:normalizedString	
LocalId	M		The locally-assigned identifier for this location.	LocalId	
StateProvinceId	O	A020A	The state-assigned identifier for this location.	StateProvinceId	

4.3 - StudentRecordExchange (SRE) SIF Objects – Student Records and Electronic Transcripts

Please note that some of the elements used by Iowa Student Records and/or Electronic Transcripts in each of the following SRE objects correspond to an Iowa EASIER data element. In a column with the heading “IA DE Element Number or Name “, if there is a corresponding IA DE Element Number in the EASIER system, the number has been noted.

The data in the StudentRecordExchange objects is to be consumed by the Iowa Transcript Center.

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:

For Iowa Student Records and Electronic Transcripts some of the elements have an IA DE Element Number, which links them to the EASIER collection.

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

- For the following standard SIF elements - Immigrant, GiftedTalented, and Section504 – provide 'Yes' where the SIS value= '1', or provide 'No' where the SIS value= '0'.
- For the following standard SIF elements – Migrant, Homeless, IDEA, and ELL – please see the Appendix for the crosswalk from EASIER codes to SIF values 'Yes' and 'No'.

Element/Attribute **StudentDemographicRecord**	Profile Char	IA DE Element Number or Name	Description	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: StudentRecordEx	

Element/Attribute **StudentDemographicRecord**	Profile Char	IA DE Element Number or Name	Description	Type	IA DE Business Rules
				change StudentPersonal	
ReportingDate	M	Date Extract Created	The date this record was prepared.	xs:date	
StudentPersonalData	M		Collects elements of interest from StudentPersonal.		
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"]
StudentPersonalData / Name/ FirstName	M	D0060		FirstName	[@Type="04"]
StudentPersonalData / Name / MiddleName	O	D0070		MiddleName	[@Type="04"]
StudentPersonalData / Name/ Suffix	O	D0090		xs:normalizedString	[@Type="04"]
StudentPersonalData / OtherNames	O		Previous, alternate or other names or aliases associated with the student.	OtherNames	
StudentPersonalData / OtherNames / Name	MR		Name of the person. Note: Type value of 04 may not occur here	OtherNameType	[@Type="05"](previous name)
StudentPersonalData / OtherNames / Name / LastName	M	Previous Student last name		LastName	
StudentPersonalData / OtherNames / Name / FirstName	M	Previous Student		FirstName	

Element/Attribute **StudentDemographicRecord**	Profile Char	IA DE Element Number or Name	Description	Type	IA DE Business Rules
		first name			
StudentPersonalData / OtherNames / Name / MiddleName	O	Previous Student middle name		MiddleName	
StudentPersonalData / OtherNames / Name / Suffix	O	Previous Student Suffix		xs:normalizedString	
StudentPersonalData / DemographicsData	M		Collects elements of interest from Demographics.		
StudentPersonalData / DemographicsData / RaceList	M			RaceList	
StudentPersonalData / DemographicsData/ RaceList / Race	MR				
StudentPersonalData / DemographicsData / RaceList / Race / Code	C	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.	NCES0849RaceType additional values: A Asian (deprecated) H Hispanic (deprecated)	Agent to provide all the race category codes that apply (with a positive indication) to a student.
StudentPersonalData / DemographicsData / Gender	M	D0050		Gender	
StudentPersonalData / DemographicsData / BirthDate	M	D0020		BirthDate	
StudentPersonalData / DemographicsData /	M		List of languages an individual		

Element/Attribute **StudentDemographicRecord**	Profile Char	IA DE Element Number or Name	Description	Type	IA DE Business Rules
LanguageList			uses to communicate.		
StudentPersonalData / DemographicsData / LanguageList / Language	MR				The primary/native language of a student. IA uses a single language code (LanguageList will contain a list of one code).
StudentPersonalData / DemographicsData / LanguageList / Language / Code	M			NISOZ3953LanguageCodesType	
StudentPersonalData / DemographicsData / LanguageList / Language / OtherCodeList	M			OtherCodeList	
StudentPersonalData / DemographicsData / LanguageList / Language / OtherCodeList / OtherCode	M	D0410		xs:token	[@Codeset="StateProvince"] IA DE uses ISO 639-2 codeset, whereas SIF references the NISO Z39.53 codeset, therefore, Agent to provide OtherCode.
StudentPersonalData / DemographicsData / HispanicLatino	M	D0042			values: Yes, No
StudentPersonalData / AddressList	M		The address of the student.	ActionList (Address/@Type)	
StudentPersonalData / AddressList / Address	MR				[@Type="0765"] (physical location)
StudentPersonalData / AddressList / Address / Street / Line1	M	Student Street Address		xs:normalizedString	
StudentPersonalData / AddressList / Address / City	M	Student City		xs:normalizedString	
StudentPersonalData / AddressList / Address / StateProvince	M	Student State		StateProvince	
StudentPersonalData / AddressList / Address / Country	M	Student Country	The country code.	Country	Default to "US" (United States)
StudentPersonalData / AddressList / Address / PostalCode	M	Student Zip Code		xs:normalizedString	
StudentPersonalData / PhoneNumberList	M				
StudentPersonalData / PhoneNumberList / PhoneNumber	M				[@Type="0096"]

Element/Attribute **StudentDemographicRecord**	Profile Char	IA DE Element Number or Name	Description	Type	IA DE Business Rules
StudentPersonalData / PhoneNumberList / PhoneNumber / Number	M	Student Phone Number	Phone number. Free-form, but typical U.S. formats include: • (###) ###-#### • ###-####	xs:normalizedString	
StudentPersonalData / IDEA	O	D0760		IDEA values: Yes, No, Unknown	See Appendix for mapping EASIER codes to Yes, No
StudentPersonalData / MigrantCode	O	D0320		Migrant values: Yes, No, Unknown	See Appendix for mapping EASIER codes to 'Yes', 'No'
StudentPersonalData / GiftedTalentedCode	M	D0310		GiftedTalented values: Yes, No, Unknown	Iowa EASIER values: 1, 0. Agent to provide 'Yes' where EASIER value='1', or 'No' where EASIER value='0'
StudentPersonalData / ELL	M	D0420		ELL values: Yes, No, Unknown	See Appendix for mapping EASIER codes to Yes, No
StudentPersonalData / Homeless	O	D0340		Homeless values: Yes, No, Unknown	See Appendix for mapping EASIER codes to Yes, No
StudentPersonalData / Section504Code	M	D0300		Section504 values: Yes, No, Unknown	Iowa EASIER values: 1, 0. Agent to provide 'Yes' where EASIER value='1', or 'No' where EASIER value='0'
StudentPersonalData / Immigrant	O	D0330		Immigrant values: Yes, No, Unknown	Iowa EASIER values: 1, 0. Agent to provide 'Yes' where EASIER value='1', or 'No' where EASIER value='0'
StudentContactsSummary	O		Reports up to two		

Element/Attribute **StudentDemographicRecord**	Profile Char	IA DE Element Number or Name	Description	Type	IA DE Business Rules
			parents/guardians of the student.		
StudentContactsSummary / ParentGuardian1	M		First parent/guardian.		
StudentContactsSummary / ParentGuardian1 / Name	M				[@Type="04"]
StudentContactsSummary / ParentGuardian1 / Name / LastName	M	Parent/Guardian Legal Last Name			
StudentContactsSummary/ ParentGuardian1 / Name / FirstName	M	Parent/Guardian Legal First Name			
StudentContactsSummary / ParentGuardian1 / Name/ MiddleName	O	Parent/Guardian Legal Middle Name			
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				
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	O	D0200	State assigned code of the	xs:token	

Element/Attribute **StudentDemographicRecord**	Profile Char	IA DE Element Number or Name	Description	Type	IA DE Business Rules
			district where the parents, custodial parent, or guardian resides; four digit code		
SIF_ExtendedElement / ResidentDistrictName	O	Resident District Name	State assigned name of the district where the parents, custodial parent, or guardian resides.	xs:normalizedString	
SIF_ExtendedElement / FreeLunch	M	D0270	Is the student approved for free lunch at the time of submission?	xs:token	Iowa EASIER values: 1, 0. Agent to provide EASIER code value.
SIF_ExtendedElement / ReducedPriceLunch	M	D0280	Is the student approved for reduced lunch at the time of submission?	xs:token	Iowa EASIER values: 1, 0. Agent to provide EASIER code value.
SIF_ExtendedElement / IEPIndicator	M	D0290	Does the student have an IEP?	xs:token	Iowa EASIER values: 1, 0. Agent to provide EASIER code value.
SIF_ExtendedElement / FosterCareIndicator	O	D0230	Is the student in foster care?	xs:token	Iowa EASIER values: 1, 0. Agent to provide EASIER code value.
SIF_ExtendedElement / Title1TargetedAssistanceReading	M	D0250	Did the student participate in a Title I Targeted Assistance Reading program at anytime during the year?	xs:token	Iowa EASIER values: 1, 0. Agent to provide EASIER code ‘1’ or ‘0’ Students in a school-wide program should not be marked “Yes” for Title I Targeted Reading. (per IA Addendum J, see IA DE website)
SIF_ExtendedElement / Title1TargetedAssistanceMathematics	M	D0252	Did the student participate in a Title I Targeted Assistance Mathematics program at anytime during the year?	xs:token	Iowa EASIER values: 1, 0. Agent to provide EASIER code ‘1’ or ‘0’ Students in a school-wide program should not be marked “Yes” for Title I Targeted Math. (per IA Addendum J)

Element/Attribute **StudentDemographicRecord**	Profile Char	IA DE Element Number or Name	Description	Type	IA DE Business Rules
SIF_ExtendedElement / HealthInformation	O	Health Informati on	This element asks the question: Are there any health concerns/issues regarding this student that should be known immediately?	xs:token	Agent to provide code ‘1’ or ‘0’. This element not in EASIER Data Dictionary.

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.

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	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: StudentRecordExchange StudentPersonal	
ReportingDate	M	Date Extract Created	The date this record was prepared.	xs:date	
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	
DistrictEntryDate	O	D0210	The date the student originally enrolled in the district of the school of record.	PartialDateType	Entry Date into Sending District
SchoolAttendanceHistory	M		Chronology of schools attended in the student's	List	

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
			academic career, including the current school if enrolled.		
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.		Used for the Attending District
SchoolAttendanceHistory / SchoolAttended / LEAInfoData / StateProvinceId	M	D0203		StateProvinceId	Attending District Code- State assigned ID of the district where the student is counted for attendance purposes
SchoolAttendanceHistory / SchoolAttended / LEAInfoData / LEAName	M	Attending District Name		LEAName	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData	M		Collects elements of interest from SchoolInfo.		
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / LocalId	M	Building Code (local), Also used for element Institution Providing Course (C0050)		LocalId	See Appendix A.3.2
SchoolAttendanceHistory / SchoolAttended /	M	Building		StateProvinceId	State assigned ID of the building the

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
SchoolInfoData / StateProvinceId		Code (State assigned)			student currently attends
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolName	M	Building Name, also used for name of Institution Providing Course		SchoolName	See Appendix A.3.1
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList	O			SchoolContactList	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact	M				
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo	M				
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / Name	M				[@Type="04"]
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / Name/ LastName	O	Sending Building Contact Last Name			
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / Name/ FirstName	O	Sending Building Contact First Name			
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / PositionTitle	O	Sending Building Contact Title	Role played by this contact in this instance. Examples Registrar		

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
			Counselor		
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / PhoneNumberList	O		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	
SchoolAttendanceHistory / SchoolAttended / SchoolInfoData / SchoolContactList / SchoolContact / ContactInfo / PhoneNumberList / PhoneNumber / Number	M	Sending Building Contact Telephone Number	Phone number. Free-form, but typical U.S. formats include: • (###) ###-#### • ###-####	xs:normalizedString	[@ Type="0096"]
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 StudentAcademicRe	RefIdType	

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
			cord to link marks to their marking systems.		
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.		
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 the Session		SchoolYear	
CurrentCourseActivity / TermInfoData / StartDate	O			PartialDateType	

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
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.	IdRefTyped	
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	O	C0035		StateCourseCode	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	C		Information related to the span of time associated with the marking period.		

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
CurrentCourseActivity/ Courses/ Course/ MarkingPeriod/ TermInfoData/ StartDate	O	Session Starting Date		PartialDateType	
CurrentCourseActivity / Courses /Course/ MarkingPeriod/ TermInfoData/ TermSpan	M			TermSpan	
CurrentCourseActivity/ Courses/ Course/ MarkingPeriod/ TermInfoData/ TermSpan/ Code	M	Type of Session	Code for session type.	NCES0266SessionTypeType	See explanation in “Usage” section preceding the SAR object.
CurrentCourseActivity/ Courses/ Course/ MarkingPeriod/ GradeLevelWhenTaken	M	Grade Level of Student When the Course Was Taken	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	Grade Earned for the Course	The percent score for this mark (0.00 - 100.00).	xs:decimal	
CurrentCourseActivity/Courses/Course/MarkingPeriod/MarkData/Numeric	C	Grade Earned for the Course	The raw numeric score for this mark.	xs:unsignedInt	
CurrentCourseActivity / Courses / Course / MarkingPeriod / MarkData / Letter	C	Grade Earned for the Course	The letter grade for this mark.	xs:normalizedString	
CurrentCourseActivity / Courses / Course / MarkingPeriod / MarkData / Narrative	C	Grade Earned for the Course	The free form text narrative for this mark.	xs:string	

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
CurrentCourseActivity / Courses / Course / MarkingPeriod / CourseCreditsAttempted	O	Attempted Credits for the Course	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_ExtendedElements LIST	Extension on Course If there are any courses in progress, the Agent must provide this Extended Element.
CurrentCourseActivity / Courses / Course / SIF_ExtendedElement / CourseOrigination	M	C0120	Indicates the origination of the course curriculum.	xs:token	
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.		
@SchoolAttendedRefId	M		Reference to the school of record for the time span (see SchoolAttended).	IdRefType	

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
CourseHistory / Term / TermInfoData / SchoolYear	M	School Year for the Session		SchoolYear	
CourseHistory / Term / TermInfoData / StartDate	O	Session Starting Date		PartialDateType	
CourseHistory / Term / TermInfoData / TermSpan	O	Type of Session		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	M	C0020		CourseCode	Number assigned to the high school course by the district for local use.
CourseHistory / Term / Courses / Course / SchoolCourseInfoData / StateCourseCode	O	C0035		StateCourseCode	This element used for Iowa element C0035, named “SCED Course Code” in the EASIER 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.

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
CourseHistory / Term / Courses / Course / SchoolCourseInfoData / NationalCourseCode	O	NCES Course Code		NationalCourse Code	The 13-digit course code locally assigned to identify high school courses offered and taught. The use of this course code has been discontinued. It may be available for historical courses.
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	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / TermInfoData			Information related to the span of time associated with the marking period.		
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / TermInfoData / StartDate	M			PartialDateType	

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / TermInfoData / TermSpan	M			TermSpan	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / TermInfoData / TermSpan / Code	M	Type of Session	Code for session type	NCES0266SessionTypeType	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / GradeLevelWhenTaken	M	Grade Level of Student When the Course Was Taken	Student's grade level at time of course.	GradeLevel	Required for Transcript
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / MarkData	C		Note: Mandatory if mid-term mark exists. Mid-term mark.		
@MarkValueInfoDataRefId	M		Reference to marking system at school of record.	IdRefType	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / MarkData / Percentage	C	Grade Earned for the Course	The percent score for this mark (0.00 - 100.00).	xs:decimal	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / MarkData / Numeric	C	Grade Earned for the Course	The raw numeric score for this mark.	xs:unsignedInt	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / MarkData / Letter	C	Grade Earned for the Course	The letter grade for this mark.	xs:normalizedString	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / MarkData / Narrative	C	Grade Earned for the Course	The free form text narrative for this mark.	xs:string	

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / CourseCreditsAttempted	O	Attempted Credits for the Course	Number of course credits attempted.	xs:decimal	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / CourseCreditsEarned	O	Credits Earned for the Course	Number of course credits earned.	xs:decimal	
CourseHistory / Term / Courses / Course / MarkingPeriods / MarkingPeriod / CreditType	O	Type of Credit Awarded for the Course	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 / CourseOrigination	M	C0120	Indicates the origination of the course curriculum.	xs:token	
AcademicPerformanceSummary	M		Conveys a cumulative summary of a student's entire academic performance at the time the transcript was generated.		
AcademicPerformanceSummary / CumulativeGPA	M	Non-weighted GPA	Cumulative grade point average for academic career.	xs:decimal	
AcademicPerformanceSummary / ClassRank	O	Non-weighted Class Rank	Student's rank in graduating class.	xs:unsignedInt	

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
AcademicPerformanceSummary / ClassTotalNumber	O	Total Number in Class	Total number of students in student's graduating class	xs:unsignedInt	
AcademicPerformanceSummary / GraduationDate	C	High School Graduation Date	Note: Mandatory if graduated. Graduation date.	PartialDateType	
AcademicPerformanceSummary / GraduationDiplomaType	C		Note: Mandatory if graduated. Type of diploma earned.	xs:normalizedString	
AssessmentPerformanceHistory	C		Note: Mandatory if assessments exist. Conveys a history of assessments that the student has taken throughout his/her academic career.	List	
AssessmentPerformanceHistory / Assessment	MR		A record of performance on an individual assessment.		
AssessmentPerformanceHistory / Assessment / Name	M	Assessment Name	Textual description of assessment.	xs:normalizedString	
AssessmentPerformanceHistory / Assessment / AdministrationDate	O	Assessment Administration Date	Date the assessment was administered	PartialDateType	
AssessmentPerformanceHistory / Assessment / SubtestCategory	O	Assessment Subtest	The subtest or subtest category of	xs:normalizedString	

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
			the assessment.		
AssessmentPerformanceHistory / Assessment / TestScore	O	Assessment Score	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.
SIF_ExtendedElement / DistrictExitDate	O	D0220	Most Recent Exit Date From Sending District	xs:date	
SIF_ExtendedElement / ExitCode	O	D0190	The most recent district exit code for the student. Used in the student record, along with district exit date.	xs:token	
SIF_ExtendedElement / DaysEnrolledCurrentYear	O	D0500	Number of days a student was enrolled in the district during the current school year.	xs:decimal	
SIF_ExtendedElement / DaysPresentCurrentYear	O	D0510	Number of days a student was present during the current school year.	xs:decimal	
SIF_ExtendedElement / GraduationStatus	O	D0530	This element answers the	xs:token	

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
			question "Has the student actually graduated at the time the transcript is being sent?"		
SIF_ExtendedElement / MaximumGPA	O	Maximum GPA	The highest possible grade point average (GPA) that a student could obtain on the institutional grading scale.	xs:decimal	
SIF_ExtendedElement / MinimumGPA	O	Minimum GPA	The lowest possible grade point average (GPA) that a student could obtain on the institutional grading scale.	xs:decimal	
SIF_ExtendedElement / ExcessiveGPA	O	Excessive GPA	Is it possible for the student to receive a GPA in excess of the district's normal GPA range? Values: Yes, No	xs:token	
SIF_ExtendedElement / CumulativeWeightedGPA	M	Weighted GPA	The weighted academic rank of a student in relation to his or her graduating class.	xs:decimal	
SIF_ExtendedElement / WeightedClassRank	O	Weighted Class Rank		xs:decimal	

Element/Attribute **StudentAcademicRecord**	Profile Char	IA DE Element Number and/or Name	Description	Type	IA DE Business Rules
SIF_ExtendedElement / RAIAdjustedGPA	M	RAI Adjusted GPA	Conversion of all grade point averages to 4.0 for purposes of Regent Admission Index (RAI).	xs:decimal	Conversion Formula: Converted GPA = (GPA / Max GPA) x 4 Where GPA is the actual student GPA and Max GPA is the highest GPA. In the case of a student who has a 7 on a max GPA of 10 it would be (7 / 10) x 4 = .7 x 4 = 2.8.
SIF_ExtendedElement / CumulativeSummary	M	Cumulative Summary	Does the transcript reflect all secondary course work (including courses from previous districts) for the student as of the transcript submission?	xs:token	
SIF_ExtendedElement / CPRCourseCompletion	O	Cardiopulmonary Resuscitation Course Completion	Answers the question: Has the student completed a cardiopulmonary resuscitation (CPR) course?		This element is not in EASIER Data Dictionary.

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">

```
    <CourseOrigination>12</CourseOrigination>
</SIF_ExtendedElement>
```

Example of SIF_ExtendedElement on the root of StudentAcademicRecord:

StudentAcademicRecord / SIF_ExtendedElements / SIF_ExtendedElment Name= “IA Profile Extensions”

```
<SIF_ExtendedElements>
   <SIF_ExtendedElement Name=”IA Profile Extensions">
         <DistrictExitDate>2011-04-27< /DistrictExitDate>
         <ExitCode>44 </ExitCode>
         <DaysEnrolledCurrentYear>178</DaysEnrolledCurrentYear>
         <DaysPresentCurrentYear>160</DaysPresentCurrentYear>
         <GraduationStatus>Yes</GraduationStatus>
         <MaximumGPA>4.0</MaximumGPA>
         <MinimumGPA>0.0</MinimumGPA>
         <ExcessiveGPA>Yes</ExcessiveGPA>
         <CumulativeWeightedGPA>3.75</CumulativeWeightedGPA>
         <WeightedClassRank>94</ WeightedClassRank>
         <RAIAdjustedGPA>3.65</ RAIAdjustedGPA>
         <CumulativeSummary>No</CumulativeSummary>
         <CPRCourseCompletion>Y</CPRCourseCompletion>
   </SIF_ExtendedElement>
</SIF_ExtendedElements>
```

Appendix

A.1 Iowa Code Sets

A.1.1 StudentPersonal – HomeLanguage – See Iowa EASIER Data Dictionary

http://www.iowa.gov/educate/index.php?option=com_content&view=article&id=44&Itemid=1261

On Iowa EASIER website, see "1011_pre_EASIER_ADD_C_Lang.pdf" - Addendum C: Language Codes

Note that Iowa uses the ISO 639-2 Language Codes for State Reporting. SIF uses the Z39.53 Language Codes.

A.1.2 StudentSchoolEnrollment - EntryType – Iowa Entry Codes

Note: According to the SIF definition of "EntryType", this is the appropriate element according to the SIF definition, which agrees with the definition for the Iowa Entry Code (EASIER field D0180); however, no code in Iowa matches the **NCES0619EntryTypeType Code.** Use OtherCode.

Iowa Entry Codes EASIER ID D0180	
Code	**Description**
1	Enrolled
2	Open Enrolled In
3	Tuitioned In Parent Paid
4	Tuitioned In District Paid
5	Whole Grade Sharing In
6	CPI Dual Enrolled
7	CPI Home School Assistance (HSAP)
8	Nonpublic Shared Time

9	CPI Dual Enrolled and CPI Home School Assistance
10	Tuitioned In NonResident Out-of-State
11	Foreign Exchange Student
12	Open Enrolled In and CPI Dual Enrolled
13	Open Enrolled In and CPI Home School Assistance
14	Open Enrolled In and CPI Dual Enrolled and CPI Home School Assistance
15	Tuitioned In State Paid
16	Public Shared Time
17	Open Enrolled In and Foreign Exchange Student
18	Within District Part-time
19	Foreign Student on Visa
21	Tuitioned In and CPI Dual Enrolled
22	Tuitioned In and CPI Home School Assistances
23	Tuitioned In and CPI Dual Enrolled and CPI Home School Assistance
27	Whole Grade Sharing In and CPI Dual Enrolled
28	Whole Grade Sharing In and CPI Home School Assistance
29	Whole Grade Sharing In and CPI Dual Enrolled and CPI Home School Assistance

81	Enrolled in Nonpublic School
82	Nonpublic Shared Time for Nonpublic Schools

A.1.3 StudentSchoolEnrollment - ExitType - Iowa Exit Codes

Note: Both Iowa definitions and NCES definitions are highly specific, and therefore few matched.
Use OtherCode.

Iowa Exit Codes EASIER ID D0190	
Code	**Description**
1	Transferred
28	Transferred Within District
2	Open Enrolled
3	Tuitioned Out District Paid
4	Dropout
5	Expelled
6	Reached Maximum Age
7	Deceased
8	Graduated from High School
9	Illness
10	Whole Grade Sharing Out
11	Tuitioned Out Parent Paid
13	No Show
14	End or Change Enrollment
27	Interim Placement (**No longer in use**)

29	Expulsion Continuing from Previous Year

A.1.4 StaffAssignment – JobFunction – Iowa Position Codes

Note: Only some of Iowa codes match codes in JobFunctionType (NCES0568JobFunctionType). Use OtherCode.

Iowa BEDS SIS Position Codes Element P610A StaffAssignment/JobFunction		
Code	**Description**	**Full Description**
726	Project Lead the Way Teacher	Math or Science teacher that has taken a course that allows them to teach certain Engineering courses.
728	Regular Education Teacher	Person who is a member of the instructional professional staff who holds a license/certificate endorsed for the type of position in which employed. A teacher diagnoses, prescribes, evaluates, and directs student learnings in terms of the school's objectives, either singly or in concert with other professional staff members; shares responsibility with the total professional staff for developing educational procedures and student activities to be used in achieving the school's objectives; supervises educational aides who assist in serving students for whom the teacher is responsible; and evaluates or assesses student progress during and following instruction in terms of the objectives sought, and uses this information to develop further educational procedures.
731	Itinerant Teacher	Teacher that is authorized to provide instructional services to those individuals unable to attend class.

735	Hospital/Homebound Teacher	Teacher that is authorized to provide instructional services to those pupils hospitalized or homebound and unable to attend class.
736	Early Childhood Special Education	Teacher that is in an Early Childhood setting that has a Special Education focus.
744	Home Intervention Teacher	Provides in home educational and support services for birth to 3 age children with significant disabilities.
745	Special Education Teacher	Responsible for providing consultative services to content endorsed general education teachers; or responsible for collaborating/co-teaching with a content endorsed general education teacher for students enrolled in the academic content area. Responsibilities may include assisting with adjustments to the learning environment, modifications or instructional methods, adaptation of curricula, use of positive behavioral supports and interventions, or design, use, or implementation of appropriate accommodations to meet individual needs of students with disabilities. Does not assign grades. Student participates in the general curriculum or person responsible for instruction of elementary and secondary students and serves as the teacher solely responsible for delivering academic content and assigning grades. Student participates in a modification of general curriculum at an instructional level below their general education peers or person responsible for teaching students with the most significant cognitive disabilities, those students who participate in a functional, life-skills curriculum. Does evaluate progress. Student participates in the special education alternate assessment based on special education alternate standards.
101	Paraprofessionals/Aides	May be in SIS system, otherwise in HR system.

A.1.5 StaffAssignment – TeachingAssignment – Iowa Assignment Codes

Note: Below are the Iowa Assignment Codes used for teaching assignments. Iowa's codes are on a more granular level than the Teaching Assignments in SIF. Use OtherCode. Assignment Code is a concatenation of Subject (first two digits) and Course (next three digits).

	Iowa BEDS SIS Assignment Codes Element A410A StaffAssignment/TeachingAssignment
Code	**Code Description**
01001	English/Lang Arts I (9th grade)
01002	English/Lang Arts II (10th grade)
01003	English/Lang Arts III (11th grade)
01004	English/Lang Arts IV (12th grade)
01005	AP English Lang and Comp
01006	AP English Lit and Comp
01007	IB Language A (English)
01008	English as a Second Lang
01009	Lang Arts Lab
01051	Eng/Literature (9th and 10th)
01052	Eng/Literature (11th and 12th)
01053	Literature
01054	American Literature
01055	American Literature/History
01056	British Literature
01057	British Literature/History

01058	World Literature
01059	Biblical Literature
01060	Literature of an Author
01061	Literature of a Genre
01062	Literature of a Period
01063	Literature of a Place
01064	Literature of a People
01065	Literature of a Theme
01066	Strategic Reading
01067	Assisted Reading
01068	Corrective Reading
01097	Literature - IS
01098	Literature Workplace Exp
01099	Literature - Other
01101	Eng/Comp (9th and 10th)
01102	Eng/Comp (11th and 12th)
01103	Composition
01104	Creative Writing
01105	Research/Tech Writing
01147	Composition - IS
01148	Composition - Workplace Exp
01149	Composition - Other
01151	Public Speaking
01152	Forensic Sp - Inclusive
01153	Forensic Sp - Debate
01154	Forensic Sp - Individual Even
01155	Communications
01156	App Eng and Communications
01197	Speech - IS
01198	Speech - Workplace Exp
01199	Speech - Other

01201	Eng Morphology and Grammar
01202	History of Eng Lang
01203	Eng - Test Prep
01992	Eng Proficiency Develop
01995	Eng Lang and Lit - Aide
01997	Eng Lang and Lit - IS
01998	Eng Lang and Lit - Workplace Exp
01999	Eng Lang and Lit - Other
02001	Informal Math
02002	General Math
02003	Particular Topics in Foundation Math
02047	Foundation Math - IS
02049	Foundation Math - Other
02051	Pre-Algebra
02052	Algebra I
02053	Algebra I - Part 1
02054	Algebra I - Part 2
02055	Transition Algebra
02056	Algebra II
02057	Algebra III
02058	Particular Topics in Algebra
02061	Integrated Math - multi-year equivalent
02069	Algebra - Other
02071	Informal Geometry
02072	Geometry
02073	Analytic Geometry
02074	Principles of Algebra and Geometry
02075	Particular Topics in Geometry
02079	Geometry - Other
02101	Number Theory
02102	Discrete Math

02103	Trig
02104	Math Analysis
02105	Trig/Math Analysis
02106	Trig/Algebra
02107	Trig/Analytic Geometry
02108	Math Analysis/Analytic Geometry
02109	Elem Functions
02110	Pre-Calc
02111	Linear Algebra
02112	Linear Programming
02113	Abstract Algebra
02121	Calc
02122	Multivariate Calc
02123	Differential Calc
02124	AP Calc AB
02125	AP Calc BC
02126	Particular Topics in Calc
02131	IB Math Studies
02132	IB Math
02133	IB Math and Computing - SL
02134	IB Further Math - SL
02141	Particular Topics in Analytic Math
02149	Analytic Mathematics - Other
02151	General Applied Math
02152	Occupationally Applied Math
02153	Technical Math
02154	Business Math
02155	Business Math w/ Algebra
02156	Computer Math / Algebra
02157	Consumer Math
02201	Probability and Stats

02202	Inferential Probability and Stats
02203	AP Stats
02204	Particular Topics in Probability and Stats
02207	Probability and Stats - IS
02209	Probability and Stats - Other
02991	History of Math
02993	Math - Test Prep
02994	Math - Proficiency Develop
02995	Math - Aide
02997	Math - IS
02998	Math - Workplace Exp
02999	Math - Other
03001	Earth Science
03002	Geology
03003	Environmental Science
03004	Astronomy
03005	Marine Science
03006	Meteorology
03007	Physical Geog
03008	Earth and Space Science
03047	Earth Science - IS
03048	Earth Science - Workplace Exp
03049	Earth Science - Other
03051	Biology
03052	Biology - Adv
03053	Anatomy and Physiology
03054	Anatomy
03055	Physiology
03056	AP Biology
03057	IB Biology
03058	Botany

03059	Genetics
03060	Microbiology
03061	Zoology
03062	Conceptual Biology
03063	Particular Topics in Biology
03097	Biology - IS
03098	Biology - Workplace Exp
03099	Biology - Other
03101	Chemistry
03102	Chemistry - Adv
03103	Organic Chemistry
03104	Physical Chemistry
03105	Chemistry in the Community
03106	AP Chemistry
03107	IB Chemistry
03108	Particular Topics in Chemistry
03147	Chemistry - IS
03148	Chemistry - Workplace Exp
03149	Chemistry - Other
03151	Physics
03152	Physics - Adv
03153	Principles of Tech
03155	AP Physics B
03156	AP Physics C
03157	IB Physics
03159	Physical Science
03160	IB Physical Science
03161	Conceptual Physics
03162	Particular Topics in Physics
03197	Physics - IS
03198	Physics - Workplace Exp

03199	Physics - Other
03201	Integrated Science
03202	Unified Science
03203	App Bio/Chemistry
03204	Science Technology/Engineering
03205	Origins of Science
03206	IB Design Tech
03207	AP Environmental Science
03208	IB Environmental Science
03209	Aerospace
03210	Science, Tech and Society
03211	Technical Science
03212	Scientific Research/Design
03994	Life and Physical Science - Proficiency Dev
03995	Life and Physical Science - Lab Asst
03997	Life and Physical Science - IS
03998	Life and Physical Science - Workplace Exp
03999	Life and Physical Science - Other
04001	World Geography
04002	Topics in Geography
04003	IB Geography
04004	AP Human Geog
04047	Geog - IS
04048	Geog - Workplace Exp
04049	Geog - Other
04051	World History - Overview
04052	World History and Geog
04053	Modern World History
04054	IB History
04055	Modern European History
04056	AP European History

04057	AP World History
04058	Ancient Civilization
04059	Medieval European History
04060	Ancient and Medieval History
04061	World Area Studies
04062	World People Studies
04063	West Civilization
04064	Contemporary World Issues
04065	Particular Topics in World History
04066	IB Islamic History
04097	World History - IS
04098	World History - Workplace Exp
04099	World History - Other
04101	US History - Comp
04102	Early US History
04103	Modern US History
04104	AP US History
04105	State-Specific Studies
04106	Contemporary US Issues
04107	US Ethnic Studies
04108	US Gender Studies
04109	Particular Topics in US History
04147	US History - IS
04148	US History - Workplace Exp
04149	US History - Other
04151	US Government - Comp
04152	Particular Topics in US Government
04153	Political Science
04154	Comparative Government
04155	International Relations
04156	US and World Affairs

04157	AP US Government and Politics
04158	AP Comparative Government and Politics
04159	AP Government
04160	Principles of Democracy
04161	Civics
04162	Law Studies
04163	Consumer Law
04164	Business Law
04165	Legal System
04166	Particular Topics in Law
04197	Government, Politics and Law - IS
04198	Government, Politics and Law - Workplace Exp
04199	Government, Politics and Law - Other
04201	Econ
04202	Comparative Econ
04203	AP Microeconomics
04204	AP Macroeconomics
04205	AP Econ
04206	IB Econ
04207	Particular Topics in Econ
04247	Econ - IS
04248	Econ - Workplace Exp
04249	Econ - Other
04251	Anthropology
04252	Particular Topics in Anthropology
04253	IB Social Anthropology
04254	Psych
04255	Particular Topics in Psych
04256	AP Psych
04257	IB Psych
04258	Soc

04259	Particular Topics in Soc
04260	Social Science
04261	Social Science Research
04262	IB Org Studies
04297	Social Sciences - IS
04298	Social Sciences - Workplace Experience
04299	Social Sciences - Other
04301	Humanities Survey
04302	Humanities
04303	Issues of Western Humanities
04304	IB Theory of Knowledge
04305	Social Studies
04306	Philosophy
04307	Particular Topics in Philosophy
04308	Modern Intellectual History
04309	IB Philosophy
04310	Particular Topics in Humanities
04347	Humanities - IS
04348	Humanities - Workplace Experience
04349	Humanities - Other
04994	Social Science and History - Prof Dev
04995	Social Science and History - Aide
04997	Social Science and History - IS
04998	Social Science and History - Workplace Exp
04999	Social Science and History - Other
05001	Dance Technique
05002	Dance Rep
05003	Expressive Movement
05004	Dance Appreciation
05005	Choreography
05047	Dance - IS

05048	Dance - Workplace Exp
05049	Dance - Other
05051	Intro to Theater
05052	Theatre Arts
05053	Drama - Comp
05054	Exploration in Drama
05055	Drama - Acting/Performance
05056	Drama - Stagecraft
05057	Directing
05058	Playwriting
05059	History and Lit of Theater
05097	Drama/Stagecraft - IS
05098	Drama - Workplace Exp
05099	Drama/Stagecraft - Other
05101	General Band
05102	Concert Band
05103	Marching Band
05104	Orchestra
05105	Contemporary Band
05106	Instrumental Ensembles
05107	Piano
05108	Guitar
05109	Individual Technique - Instrumental Music
05110	Chorus
05111	Vocal Ensembles
05112	Individual Technique - Vocal Music
05113	Music Theory
05114	AP Music Theory
05115	IB Music
05116	Music History/Appreciation
05117	Music History

05118	Music Appreciation
05119	Composition/songwriting
05147	Music - IS
05148	Music - Workplace Exp
05149	Music - Other
05151	Art Appreciation
05152	Art History
05153	AP Art - History of Art
05154	Creative Art - Comp
05155	Creative Art - Drawing/Painting
05156	Creative Art - Drawing
05157	Creative Art - Painting
05158	Creative Art - Sculpture
05159	Ceramics/Pottery
05160	Printmaking/Graphics
05161	Printmaking
05162	Graphic Design
05163	Advertising Design
05164	Textiles
05165	Crafts
05166	Jewelry
05167	Photography
05168	Film/Videotape
05169	Computer Assisted Art
05170	Art Portfolio
05171	AP Studio Art - General Portfolio
05172	AP Studio Art - Drawing Portfolio
05173	IB Art/Design
05197	Visual Arts - IS
05198	Visual Arts - Workplace Exp
05199	Visual Arts - Other

05201	Integrated Fine Arts
05995	Fine and Performing Art - Aide
05997	Fine and Performing Art - IS
05998	Fine and Performing Art - Workplace Exp
05999	Fine and Performing Art - Other
06100	Spanish
06106	Spanish for Native Speakers
06107	Spanish Field Exp
06108	Spanish Conversation and Culture
06109	Spanish Lit
06110	IB Lang A (non-Eng) - Span
06111	IB Lang B - Spanish
06112	AP Spanish Lang
06113	AP Spanish Lit
06120	French
06126	French for Native Speakers
06127	French Field Exp
06128	French Conversation and Culture
06129	French Lit
06130	IB Lang A (non-Eng) - French
06131	IB Lang B - French
06132	AP French Lang
06133	AP French Lit
06140	Italian
06146	Italian for Native Speakers
06147	Italian Field Exp
06148	Italian Conversation and Culture
06149	Italian Lit
06150	IB Lang A (non-Eng) - Italian
06151	IB Lang B - Italian
06160	Portuguese

06166	Portuguese for Native Speakers
06167	Portuguese Field Exp
06168	Portuguese Conversation and Culture
06169	Portuguese Lit
06170	IB Lang A (non-Eng) - Portuguese
06171	IB Lang B - Portuguese
06180	Romance/Italic Lang
06186	Romance/Italic for Native Speakers
06187	Romance/Italic Field Exp
06188	Romance/Italic Conversation and Culture
06189	Romance/Italic Lit
06190	IB Lang A (non-English) - Romance/Italic
06191	IB Lang B - Romance/Italic
06199	Romance/Italic Lang Other
06200	German
06206	German for Native Speakers
06207	German Field Exp
06208	German Conversation and Culture
06209	German Lit
06210	IB Lang A (non-English) - German
06211	IB Lang B - German
06212	AP German Language
06240	Germanic Lang
06246	Germanic Lang for Native Speakers
06247	Germanic Lang Field Exp
06248	Germanic Lang Conversation and Culture
06249	Germanic Lit
06250	IB Lang A (non-English) - Germanic Lang
06251	IB Lang B - Germanic Lang
06259	Germanic Lang - Other
06260	Celtic Lang

06266	Celtic Lang for Native Speakers
06267	Celtic Lang Field Exp
06268	Celtic Lang Conversation and Culture
06269	Celtic Lit
06270	IB Lang A (non-English) - Celtic Lang
06271	IB Lang B - Celtic Lang
06279	Celtic Lang - Other
06280	Greek
06286	Greek for Native Speakers
06287	Greek Field Exp
06288	Greek Conversation and Culture
06289	Greek Lit
06290	IB Lang A (non-English) - Greek
06291	IB Lang B - Greek
06299	Greek - Other
06300	Latin
06311	IB Classical Lang - Latin
06313	AP Latin (Virgil, Catullus, and Horace)
06320	Classical Greek
06331	IB Classical Lang - Greek
06359	Classical Lang - Other
06400	Chinese
06406	Chinese for Native Speakers
06407	Chinese Field Exp
06408	Chinese Conversation and Culture
06409	Chinese Lit
06410	IB Lang A (non-English) - Chinese
06411	IB Lang B - Chinese
06420	Japanese
06426	Japanese for Native Speakers
06427	Japanese Field Exp

06428	Japanese Conversation and Culture
06429	Japanese Lit
06430	IB Lang A (non-English) - Japanese
06431	IB Lang B - Japanese
06440	Korean
06446	Korean for Native Speakers
06447	Korean Field Exp
06448	Korean Conversation and Culture
06449	Korean Lit
06450	IB Lang A (non-English) - Korean
06451	IB Lang B - Korean
06480	East Asian Lang
06486	East Asian Lang for Native Speakers
06487	East Asian Lang Field Exp
06488	East Asian Lang Conversation and Culture
06489	East Asian Lit
06490	IB Lang A (non-English) - East Asian Lang
06491	IB Lang B - East Asian Lang
06499	East Asian Lang - Other
06500	Vietnamese
06506	Vietnamese for Native Speakers
06507	Vietnamese Field Exp
06508	Vietnamese Conversation and Culture
06509	Vietnamese Lit
06510	IB Lang A (non-English) - Vietnamese
06511	IB Lang B - Vietnamese
06520	Filipino
06526	Filipino for Native Speakers
06527	Filipino Field Exp
06528	Filipino Conversation and Culture
06529	Filipino Lit

06530	IB Lang A (non-English) - Filipino
06531	IB Lang B - Filipino
06580	Sourtheast Asian Lang
06586	Southeast Asian Lang for Native Speakers
06587	Southeast Asian Lang Field Exp
06588	Southeast Asian Lang Conversation and Culture
06589	Southeast Asian Lit
06590	IB Lang A (non-English) - Southeast Asian Lang
06591	IB Lang B - Southeast Asian Lang
06599	Southeast Asian Lang - Other
06600	Russian
06606	Russian for Native Speakers
06607	Russian Field Exp
06608	Russian Conversation and Culture
06609	Russian Lit
06610	IB Lang A (non-English) - Russian
06611	IB Lang B - Russian
06640	Balto-Slavic Lang
06646	Balto-Slavic Lang for Native Speakers
06647	Balto-Slavic Lang Field Exp
06648	Balto-Slavic Lang Conversation and Culture
06649	Balto-Slavic Lit
06650	IB Lang A (non-English) - Balto-Slavic Lang
06651	IB Lang B - Balto-Slavic Lang
06659	Balto-Slavic Lang - Other
06660	Turkic/Urai-Altaic Lang
06666	Turkic/Ural-Altaic Lang for Native Speakers
06667	Turkic/Ural-Altaic Lang Field Exp
06668	Turkic/Ural-Altaic Lang Conversation and Culture
06669	Turkic/Ural-Altaic Lit
06670	IB Lang A (non-English) - Turkic/Ural-Altaic Lang

06671	IB Lang B - Turkic/Ural-Altaic Lang
06679	Turkic/Ural-Altaic Lang - Other
06680	Iranian/Persian Lang
06686	Iranian/Persian Lang for Native Speakers
06687	Iranian/Persian Lang Field Exp
06688	Iranian/Persian Lang Conversation and Culture
06689	Iranian/Persian Lit
06690	IB Lang A (non-English) - Iranian/Persian Lang
06691	IB Lang B - Iranian/Persian Lang
06699	Iranian/Persian Lang - Other
06700	Hebrew
06706	Hebrew for Native Speakers
06707	Hebrew Field Exp
06708	Hebrew Conversation and Culture
06709	Hebrew Lit
06710	IB Lang A (non-English) - Hebrew
06711	IB Lang B - Hebrew
06712	IB Classical Lang - Hebrew
06720	Arabic
06726	Arabic for Native Speakers
06727	Arabic Field Exp
06728	Arabic Conversation and Culture
06729	Arabic Lit
06730	IB Lang A (non-English) - Arabic
06731	IB Lang B - Arabic
06732	IB Classical Lang - Arabic
06759	Semitic and Near/Middle Eastern Lang - Other
06760	Swahili
06766	Swahili for Native Speakers
06767	Swahili Field Exp
06768	Swahili Conversation and Culture

06769	Swahili Lit
06770	IB Lang A (non-English) - Swahili
06771	IB Lang B - Swahili
06780	Non Semitic African Lang
06786	Non Semitic African Lang for Native Speakers
06787	Non Semitic African Lang Field Exp
06788	Non Semitic African Lang Conversation and Culture
06789	Non Semitic African Lit
06790	IB Lang A (non-English) - Non Semitic African Lang
06791	IB Lang B - Non Semitic African Lang
06799	African (Non Semitic) Lang - Other
06800	American Sign Lang
06819	American Sign Lang - Other
06820	American Indian Lang
06826	American Indian Lang for Native Speakers
06827	American Indian Lang Field Exp
06828	American Indian Lang Conversation and Culture
06829	American Indian Lit
06830	IB Lang A (non-English) - American Indian Lang
06831	IB Lang B - American Indian Lang
06839	American Indian Lang - Other
06840	Indic Lang
06846	Indic Lang for Native Speakers
06847	Indic Lang Field Exp
06848	Indic Lang Conversation and Culture
06849	Indic Lit
06850	IB Lang A (non-English) - Indic Lang
06851	IB Lang B - Indic Lang
06859	Indic Lang - Other
06861	Malayo-Polynesian Lang
06866	Malayo-Polynesian Lang for Native Speakers

06867	Malayo-Polynesian Lang Field Exp
06868	Malayo-Polynesian Lang Conversation and Culture
06869	Malayo-Polynesian Lit
06870	IB Lang A (non-English) - Malayo-Polynesian Lang
06871	IB Lang B - Malayo-Polynesian Lang
06879	Malayo-Polynesian Lang - Other
06995	Foreign Lang and Lit - Aide
06997	Foreign Language and Lit—Independent Study
06998	Foreign Lang and Lit - Workplace Exp
06999	Foreign Lang and Lit - Other
07001	Religious Foundations
07002	Comparative Religion
07003	Eastern Religions
07004	Western Religions
07005	Scriptures
07006	Old Testament
07007	New Testament
07008	Bible History
07009	Christology
07010	Religious Figures
07011	Liturgy and Prayer
07012	Prayer and Spirituality
07013	Religious Ethics and Morality
07014	Justice, Peace, and Faith
07015	Faith and Lifestyle
07016	Ministry
07995	Religious Ed and Theology - Aide
07997	Religious Ed and Theology - IS
07998	Religious Ed and Theology - Workplace Exp
07999	Religious Ed and Theology - Other
08001	Physical Ed

08002	Team Sports
08003	Individual/Dual Sports
08004	Recreation Sports
08005	Fitness/Conditioning
08006	Corps Movement
08007	Adapted Phy Ed
08008	Gymnastics
08009	Weight Training
08010	Aquatic/Water Sports
08011	Tennis
08012	Self-defense
08013	Specific Sports Activities
08014	Phy Ed Equivalent
08015	Off-Campus Sports
08016	Lifetime Fitness Ed
08017	Sports Physiology
08047	Phy Ed - IS
08048	Phy Ed - Workplace Exp
08049	Phy Ed - Other
08051	Health Ed
08052	Health and Fitness
08053	Community Health
08054	Special Needs Health Ed
08055	Safety and First Aid
08056	Health for Parenting Teens
08057	Health and Life Mgmt
08058	Substance Abuse Prevention
08097	Health Education - IS
08098	Health Education - Workplace Experience
08099	Health Ed - Other
08151	Drivers' Ed - Classroom Only

08152	Drivers' Ed - Classroom and Lab
08197	Driver's Education - IS
08198	Driver's Education - Workplace Experience
08199	Driver's Education - Other
08201	Physical Education/Health/Drivers' Education
08995	Physical, Health, and Safety Education - Aide
08997	Physical, Health, and Safety Education - IS
08998	Physical, Health, and Safety Education - Work Exp
08999	Physical, Health, and Safety Education - Other
09001	Intro to Jr ROTC
09002	Military Jr ROTC - unspecified branch
09003	ROTC Drill
09004	Military Leadership
09051	Army Jr ROTC I
09052	Army Jr ROTC II
09053	Army Jr ROTC III
09054	Army Jr ROTC IV
09101	Navy Jr ROTC I
09102	Navy Jr ROTC II
09103	Navy Jr ROTC III
09104	Navy Jr ROTC IV
09151	Air Force Jr ROTC I
09152	Air Force Jr ROTC II
09153	Air Force Jr ROTC III
09154	Air Force Jr ROTC IV
09201	Marine Corps Jr ROTC I
09202	Marine Corps Jr ROTC II
09203	Marine Corps Jr ROTC III
09204	Marine Corps Jr ROTC IV
09995	Military Science - Aide
09997	Military Science - IS

09998	Military Science - Workplace Exp
09999	Military Science - Other
10001	Intro to Computers
10002	Computing Systems
10003	Computer and Info Tech
10004	Computer Applications
10005	Business Computer Applications
10006	Telecommunications
10007	IB Information Tech in Global Society
10008	Particular Topics in Computer Literacy
10047	Computer Literacy - IS
10048	Computer Literacy - Workplace Exp
10049	Computer Literacy - Other
10051	Information Mgmt
10052	Database Mgmt and Data Warehousing
10053	Database Applications
10054	Data Systems/Processing
10055	Particular Topics in Mgmt and Info Systems
10097	Mgmt Info Systems - IS
10098	Mgmt Info Systems - Workplace Exp
10099	Mgmt Info Systems - Other
10101	Network Tech
10102	Networking Systems
10103	Area Network Design and Protocols
10104	Router Basics
10105	NetWare Routing
10106	Wide Area Telecomm and Networking
10107	Wireless Networks
10108	Network Security
10109	Essentials of Network Operating Systems
10110	Microsoft Certified Prof (MCP)

10111	Particular Topics in Networking Systems
10147	Networking Systems - IS
10148	Networking Systems - Workplace Exp
10149	Networking Systems - Other
10151	Business Programming
10152	Computer Programming
10153	Visual Basic (VB) Programming
10154	C++ Programming
10155	Java Programming
10156	Computer Programming - Other Lang
10157	AP Computer Science A
10158	AP Computer Science AB
10159	IB Computing Studies
10160	Particular Topics in Computer Programming
10197	Computer Programming - IS
10198	Computer Programming - Workplace Exp
10199	Computer Programming - Other
10201	Web Page Design
10202	Computer Graphics
10203	Interactive Media
10204	Particular Topics in Media Tech
10247	Media Tech - IS
10248	Media Tech - Workplace Exp
10249	Media Tech - Other
10251	Computer Tech
10252	Computer Maintenance
10253	Information Support and Services
10254	IT Essentials: PC Hardware and Software
10255	CISCO - PNIE
10256	Particular Topics in Info Support and Services
10297	Info Support and Services - IS

10298	Info Support and Services - Workplace Exp
10299	Info Support and Services - Other
10995	Computer and Info Sciences - Aide
10997	Computer and Info Sciences - IS
10998	Computer and Info Sciences - Workplace Exp
10999	Computer and Info Sciences - Other
11001	Intro to Communication
11002	Communication Tech
11003	Particular Topics in Communication
11047	Communication - IS
11048	Communication - Workplace Exp
11049	Communication - Other
11051	Audio/Visual Production
11052	Commercial Photography
11053	Photographic Lab and Darkroom
11054	Photo Imaging
11055	Video
11056	Particular Topics in Audio/Visual Tech and Film
11097	Audio/Visual - IS
11098	Audio/Visual - Workplace Exp
11101	Journalism
11102	Photojournalism
11103	Broadcasting Tech
11104	Publication Prod
11105	Particular Topics in Journalism and Broadcasting
11147	Journalism and Broadcasting - IS
11148	Journalism and Broadcasting - Workplace Exp
11149	Journalism and Broadcasting - Other
11151	Digital Media Tech
11152	Desktop Publishing
11153	Digital Media Design and Prod

11154	Commercial Graphic Design
11155	Graphic Tech
11156	Photography and Printing Tech
11157	Photoengraving
11158	Print Press Operations
11159	Particular Topics in Printing Tech and Prod
11197	Printing Tech - IS
11198	Printing Tech - Workplace Exp
11199	Printing Tech - Other
11995	Communication and Audio/Visual Tech - Aide
11997	Communication and A/V Tech - IS
11998	Communication and A/V Tech - Workplace Exp
11999	Communication and A/V Tech - Other
12001	Business/Office Career Exploration
12002	Office Procedures - Comp
12003	Office and Admin Tech
12004	Office Services
12005	Keyboarding
12006	Word Processing
12007	Recordkeeping
12008	Particular Topics in Admin
12009	Business Communications
12047	Admin - IS
12048	Admin - Workplace Exp
12049	Admin - Other
12051	Introductory Business
12052	Business Mgmt
12053	Entrepreneurship
12054	Business Law
12055	Business Principles and Mgmt
12056	International Business and Marketing

12057	Human Resources and Labor Relations
12058	Human Resources Mgmt
12059	IB Business and Mgmt
12097	Mgmt - IS
12098	Mgmt - Workplace Exp
12099	Mgmt - Other
12101	Banking and Finance
12102	Banking
12103	Finance
12104	Accounting
12105	Business Econ
12106	Risk Mgmt and Insurance
12107	Investing
12147	Finance - IS
12148	Finance - Workplace Exp
12149	Finance - Other
12151	Marketing Career Exploration
12152	Marketing - Comp
12153	Marketing - Fashion
12154	Marketing - Real Estate
12155	Marketing - Transportation
12156	Marketing - Food/Beverage
12157	Marketing - Insurance
12158	Marketing - Floristry
12159	Marketing - Hospitality/Tourism
12160	Marketing - Merchandising
12161	Retail Marketing
12162	Internet Marketing
12163	Sports and Entertainment Marketing
12164	Principles of Marketing
12165	Principles of Advertising

12166	Marketing Mgmt
12167	Marketing - Other Specialization
12197	Marketing - IS
12198	Marketing - Workplace Exp
12199	Marketing - Other
12201	Cashier/Checker Operations
12202	Principles of Selling
12247	Sales - IS
12248	Sales - Workplace Exp
12249	Sales - Other
12995	Business and Marketing - Aide
12997	Business and Marketing - IS
12998	Business and Marketing - Workplace Exp
12999	Business and Marketing - Other
13001	Exploration of Manufacturing Occupations
13002	Manufacturing - Comp
13003	Industrial Arts
13004	Industrial Safety/First Aid
13052	Material and Processes
13053	Metal and Wood Processing/Production
13054	Wood Processing/Prod
13055	Metal Processing/Prod
13056	Plastics Processing/Prod
13057	Ceramic Processing/Prod
13058	Particular Topics in Processing and Prod
13097	Processing/Prod - IS
13098	Processing/Prod - Workplace Exp
13099	Processing/Prod - Other
13101	Prod Systems
13102	Electro-Mechanical Systems
13103	Product Development

13147	Production Systems - IS
13148	Production Systems - Workplace Exp
13149	Production Systems - Other
13201	Metalwork Occupations
13202	Metalworking
13203	Machining
13204	Particular Topics in Machining
13205	Sheet Metal
13206	Particular Topics in Sheet Metal
13207	Welding
13208	Particular Topics in Welding
13209	Particular Topics in Metalwork
13247	Metalwork - IS
13248	Metalwork - Workplace Exp
13249	Metalwork - Other
13301	Appliance Repair
13302	Equipment Maintenance and Repair
13347	Repair - IS
13348	Repair - Workplace Exp
13349	Repair - Other
13995	Manufacturing - Aide
13997	Manufacturing - IS
13998	Manufacturing - Workplace Exp
13999	Manufacturing - Other
14001	Exploration of Health Care Occupations
14002	Health Care Occupations - Comp
14051	Nursing
14052	Nursing -LPN
14053	Home Health Care
14054	Dental Science
14055	Emergency Medical Technology

14056	Surgical Technology
14057	Vision Care
14058	Optometrics
14059	Gerontology
14060	Physical therapy
14061	Respiratory Therapy
14062	Care of Athletes
14063	Particular Topics in Therapeutic Services
14097	Therapeutic Services - IS
14098	Therapeutic Services - Workplace Exp
14099	Therapeutic Services - Other
14101	Dental Lab Tech
14102	Medical Lab Tech
14103	EKG Tech
14104	Phlebotomy
14105	Particular Topics in Diagnostic Services
14147	Diagnostic Services - IS
14148	Diagnostic Services - Workplace Exp
14149	Diagnostic Services - Other
14151	Medical/Clerical Assisting
14152	Pharmacy Assisting
14153	Medical Office Procedures
14154	Medical Terminology
14155	Particular Topics in Health Info
14197	Health Info - IS
14198	Health Info - Workplace Exp
14199	Health Info - Other
14201	Central Service Tech
14202	Health Support Services
14203	Health Unit Coordination
14204	Particular Topics in Support Services

14247	Health Support Services - IS
14248	Health Support Services - Workplace Exp
14249	Health Support Services - Other
14251	Health Science
14252	Biotechnology
14253	Pharmacology
14254	Particular Topics in Health Sciences
14297	Health Science - IS
14298	Health Science - Workplace Exp
14299	Health Science - Other
14995	Health Care Science - Aide
14997	Health Care Science - IS
14998	Health Care Science - Workplace Exp
14999	Health Care Science - Other
15001	Exploration of Public Service Careers
15051	Criminal Justice
15052	Corrections
15053	Particular Topics in Law Enforcement
15097	Law Enforcement - IS
15098	Law Enforcement - Workplace Exp
15099	Law Enforcement - Other
15101	Public Safety
15102	Security Services
15103	Particular Topics in Security
15147	Security and Protection - IS
15148	Security and Protection - Workplace Exp
15149	Security and Protection - Other
15151	Fire Science
15152	Fire Fighting
15153	Particular Topics in Fire Mgmt
15197	Fire Mgmt - IS

15198	Fire Mgmt - Workplace Exp
15199	Fire Mgmt - Other
15201	Public Admin
15202	Community Protection
15203	Public Policy
15247	Gov't Service - IS
15248	Gov't Service - Workplace Exp
15249	Gov't Service - Other
15995	Public, Protective, and Gov't Service - Aide
15997	Public, Protective, and Gov't Service - IS
15998	Public, Protective, and Gov't Service - Workplace Exp
15999	Public, Protective, and Gov't Service - Other
16001	Exploration of Hospitality Careers
16051	Exploration of Restaurant, Food and Beverage Service
16052	Restaurant, Food and Beverage Service - Comp
16053	Food Service
16054	Nutrition and Food Prep
16055	Restaurant Mgmt and Operations
16056	Culinary Art Specialty
16057	Particular Topics in Restaurant, Food and Beverage
16097	Restaurant, Food and Beverage Service - IS
16098	Restaurant, Food and Beverage Service - Workplace Exp
16099	Restaurant, Food and Beverage Service - Other
16101	Exploration of Lodging Careers
16102	Lodging - Comprehensive
16103	Institutional Maintenance
16104	Particular Topics in Lodging
16147	Lodging - IS
16148	Lodging - Workplace Exp
16149	Lodging - Other
16151	Intro to Travel and Tourism

16152	Travel and Tourism - Comp
16153	World Travel and Tourism
16154	Eco-Tourism
16155	Particular Topics in Travel and Tourism
16197	Travel and Tourism - IS
16198	Travel and Tourism - Workplace Exp
16199	Travel and Tourism - Other
16201	Exploration of Recreation, Amusement and Attractions
16202	Recreation, Amusement and Attract - Comp
16203	Particular Topics in Recreation, Amusement and Attract
16247	Recreation, Amusement and Attract - IS
16248	Recreation, Amusement and Attract - Workplace Exp
16249	Recreation, Amusement and Attract - Other
16995	Hospitality and Tourism - Aide
16997	Hospitality and Tourism - IS
16998	Hospitality and Tourism - Workplace Experience
16999	Hospitality and Tourism - Other
17001	Construction Careers Exploration
17002	Construction - Comp
17003	Carpentry
17004	Framing Carpentry
17005	Particular Topics in Carpentry
17006	Woodworking
17007	Cabinetmaking
17008	Masonry
17009	Building Maintenance
17010	Home Maintenance
17011	Wall finishings
17012	Upholstering
17047	General Construction - IS
17048	General Construction - Workplace Exp

17049	General Construction - Other
17051	Air Conditioning
17052	Refrigeration
17053	Heating
17054	Air Condition / Refrigeration
17055	Air Conditioning, Heating and Refrigeration
17056	Heating, Ventilation and Air Conditioning
17057	Particular Topics in HVACR
17058	Plumbing
17059	Plumbing and Heating
17097	Air Conditioning, Heating and Plumbing - IS
17098	Air Conditioning, Heating and Plumbing - Workplace Exp
17099	Air Conditioning, Heating and Plumbing - Other
17101	Exploration of Electricity/Electronics
17102	Electricity - Comp
17103	Residential Wiring
17104	Industrial Electricity
17105	Particular Topics in Electricity
17106	Electronics - Comp
17107	Particular Topics in Electronics
17108	Electricity/Electronics - General
17109	Particular Topics in Electricity/Electronics
17110	Analog and Digital Circuits
17111	Analog Circuits
17112	Digital Circuits
17147	Electricity/Electronics - IS
17148	Electricity/Electronics - Workplace Exp
17149	Electricity/Electronics - Other
17995	Architecture and Construction - Aide
17997	Architecture and Construction - IS
17998	Architecture and Construction - Workplace Exp

17999	Architecture and Construction - Other
18001	Intro to Ag and Natural Resources
18002	Ag - Comp
18003	Ag and Natural Resources - Comp
18051	Plant Production/Science
18052	General Horticulture
18053	Ornamental Horticulture
18054	Turf and Landscape Mgmt
18055	Soil Science
18056	Particular Topics in Plant Systems
18097	Plant Systems - IS
18098	Plant Systems - Workplace Exp
18099	Plant Systems - Other
18101	Animal Production Science
18102	Small Animal Care
18103	Large Animal Care
18104	Equine Science
18105	Vet Science
18106	Particular Topics in Animal Systems
18147	Animal Systems - IS
18148	Animal Systems - Workplace Exp
18149	Animal Systems - Other
18201	Agribusiness Mgmt
18202	Ag Entrepreneurship
18203	Ag Leadership
18204	Particular Topics in Agribusiness
18247	Agribusiness - IS
18248	Agribusiness - Workplace Exp
18249	Agribusiness - Other
18301	Ag Prod
18302	Ag Processing

18303	Plant Processing
18304	Animal Processing
18305	Food Product Processing
18306	Aquaculture
18307	Ag and Society
18308	Ag Biotech
18309	Particular Topics in Ag Prod/Processing
18347	Ag Prod and Processing - IS
18348	Ag Prod and Processing - Workplace Exp
18349	Ag Prod and Processing - Other
18401	Ag Mechanics/Equipment/Structures
18402	Ag Mechanics and Equipment
18403	Ag Structures
18404	Ag Welding
18405	Particular Topics in Ag Mechanics and Construction
18447	Ag Mechanics and Construction - IS
18448	Ag Mechanics and Construction - Workplace Exp
18449	Ag Mechanics and Construction - Other
18501	Wildlife Mgmt
18502	Forestry
18503	Forestry Harvesting
18504	Natural Resources Mgmt
18505	Particular Topics in Natural Resources
18547	Natural Resources - IS
18548	Natural Resources - Workplace Exp
18549	Natural Resources - Other
18995	Ag, Food and Nat Resources - Aide
18997	Ag, Food and Nat Resources - IS
18998	Ag, Food and Nat Resources - Workplace Exp
18999	Ag, Food and Nat Resources - Other
19001	Human Services Career Exploration

19051	Child Care
19052	Child Development
19053	Elder Care
19054	Caregiving Service
19055	Particular Topics in Child and Elder Care
19097	Child and Elder Care - IS
19098	Child and Elder Care - Workplace Exp
19099	Child and Elder Care - Other
19101	Cosmetology - Licensing
19102	Barbering
19103	Hair Styling
19104	Cosmetology - Non-licensing
19105	Cosmetology - Nail Specialization
19106	Cosmetology - Facial Specialization
19107	Particular Topics in Cosmetology
19147	Cosmetology - IS
19148	Cosmetology - Workplace Exp
19149	Cosmetology - Other
19151	Teaching Profession
19152	Educational Methodology
19153	Early Childhood Ed
19154	Particular Topics in Ed
19197	Ed - IS
19198	Ed - Workplace Exp
19199	Ed - Other
19201	Clothing and Textiles
19202	Clothing/Textile Maintenance
19203	Apparel Construction
19204	Apparel and Textile Services
19205	Home Furnishing
19206	Home Furnishing Prod

19207	Particular Topics in Apparel and Furnishings
19247	Apparel and Furnishings - IS
19248	Apparel and Furnishings - Workplace Exp
19249	Apparel and Furnishings - Other
19995	Human Services - Aide
19997	Human Services - IS
19998	Human Services - Workplace Exp
19999	Human Services - Other
20001	Exploration of Transp, Dist and Logistics
20051	Truck and Bus Driving
20052	Heavy Equipment Operation
20053	Aviation
20054	Boat Operation
20097	Operation - IS
20098	Operation - Workplace Exp
20099	Operation - Other
20101	Energy/Power
20102	Power and Mechanics
20103	Intro to Automobiles
20104	Automotive Mechanics - Comp
20105	Particular Topics in Automotive Mechanics
20106	Automotive Service
20107	Diesel Mechanics - Comp
20108	Particular Topics in Diesel Mechanics
20109	Small Vehicle Mechanics
20110	Small Engine Mechanics
20111	Marine Mechanics
20112	Heavy Equipment Mechanics
20113	Aircraft Power Plant
20114	Aircraft Airframe
20115	Automotive Detailing and Reconditioning

20116	Automotive Body Repair and Refinishing - Comp
20117	Particular Topics in Automotive Body Repair/Refinishing
20118	Boat Repair/Refinishing
20147	Mechanics and Repair - IS
20148	Mechanics and Repair - Workplace Exp
20149	Mechanics and Repair - Other
20151	Distribution - Comp
20152	Warehouse Operations
20197	Distribution and Logistics - IS
20198	Distribution and Logistics - Workplace Exp
20199	Distribution and Logistics - Other
20995	Transportation, Dist and Logistics - Aide
20997	Transportation, Dist and Logistics - IS
20998	Transportation, Dist and Logistics - Workplace Exp
20999	Transportation, Dist and Logistics - Other
21001	Pre-Engineering Tech
21002	Engineering Applications
21003	Engineering Tech
21004	Principles of Engineering
21005	Engineering - Comp
21006	Engineering Design
21007	Engineering Design and Development
21008	Digital Electronics
21009	Robotics
21010	Computer Integrated Mfg
21011	Civil Engineering
21012	Civil Engineering and Architecture
21013	Aerospace Engineering
21014	Biotechnical Engineering
21015	Particular Topics in Engineering
21047	Engineering - IS

21048	Engineering - Workplace Exp
21049	Engineering - Other
21051	Technological Literacy
21052	Technological Processes
21053	Emerging Technologies
21054	Tech Innovation and Assessment
21055	Aerospace Tech
21056	Particular Topics in Tech Applications
21097	Technology - IS
21098	Technology - Workplace Exp
21099	Technology - Other
21101	Drafting Careers Exploration
21102	Drafting - General
21103	Drafting - Architectural
21104	Drafting - Civil/Structural
21105	Drafting - Electrical/Electronic
21106	Drafting - Technical/Mechanical
21107	CAD Design and Software
21108	Blueprint Reading
21147	Drafting - IS
21148	Drafting - Workplace Exp
21149	Drafting - Other
21995	Engineering and Technology - Aide
21997	Engineering and Technology - IS
21998	Engineering and Technology - Workplace Exp
21999	Engineering and Technology - Other
22001	Standardized Test Preparation
22002	State Test Preparation
22003	Study Skills
22004	Dropout Prevention Program
22005	Tutorial

22006	Study Hall
22051	Office Aide
22052	Guidance Aide
22053	Library/AVC Aide
22054	Tutoring Practicum
22101	Leadership
22102	School Orientation
22103	School Government
22104	Community Service
22105	Values Clarification
22106	Seminar
22151	Career Exploration
22152	Employability Skills
22153	Diversified Occupations
22201	Family and Consumer Science - Comp
22202	Food and Nutrition
22203	Food Science
22204	Child Development/Parenting
22205	Clothing/Sewing
22206	Life Skills
22207	Self Mgmt
22208	Family Living
22209	Personal Development
22210	Consumer Economics/Personal Finance
22211	Home Décor
22245	Family and Consumer Science - Aide
22247	Family and Consumer Science - IS
22249	Family and Consumer Science - Other
22251	Community Living
22252	Communication Instruction
22253	Social Development Instruction

22254	Developmental Support
22995	Miscellaneous - Aide
22997	Miscellaneous - IS
22998	Miscellaneous - Workplace Exp
22999	Miscellaneous - Other
30001	At-Risk/Alternative School
30004	Home School
30006	Talented and Gifted
30048	Hospital/Homebound
80002	Hearing Impaired Person who helps instruct students who have hearing impairments to communicate their needs manually, verbally, or in writing.
80009	Visually Impaired Person who helps instruct students who have visual impairments to communicate their needs manually, verbally, or in writing.
80010	5-12 Special Education (Mild/Moderate)
80011	Early Childhood Special Education Early Childhood setting that has a Special Education focus.
80012	K-8 Special Education (Mild/Moderate)
80013	K-12 Special Education - Self Contained - MD
80014	K-12 Special Education - Self Contained - BD/LD
80026	Work Experience (Special Education) Person who instructs special education students in the classroom about their work experience.

91060	Instructional Paraprofessionals/Aides

A.1.6 EmployeeAssignment – JobClassification – Iowa Position Codes

Note: Only some of the Iowa DE BEDS position codes match codes in EmployeeAssignment/JobClassification (NCES0557JobClassificationType codes). Use OtherCode.

Iowa BEDS HR Position Codes Element P610A EmployeeAssignment/JobClassification		
Code	**Description**	**Full Description**
510	AEA Chief Administrator	Person who performs the highest level, agency-wide executive management functions of an Area Education Agency.
511	Superintendent	Person who promotes, demotes, transfers, assigns, or evaluates practitioners or other personnel, and carries out the policies of a governing board in a manner consistent with professional practice and ethics.
512	Assistant Superintendent	Person who performs high level, system-wide, executive management functions in a District/Nonpublic. (e.g., assistant, deputy, or associate superintendent)

513	Principal	Person who is a member of a school's instructional staff who serves as an instructional leader, coordinates the process and substance of educational and instructional programs, coordinates the budget of the school, provides formative evaluation for all practitioners and other persons in the school, recommends or has effective authority to appoint, assign, promote, or transfer personnel in a school building, implements the local school board's policy in a manner consistent with professional practice and ethics, and assists in the development and supervision of a school's student activities program.
514	Assistant Principal	Person who performs high level executive management functions in an individual school, group of schools, or units of a school system.
515	Special Education Director	Person who administers or directs special education programs or functions and supervises other staff members.
533	AEA Regional/Zone Coordinator	Person who performs high level executive management functions in a region or zone.
534	Supervisor	A person who directs or manages a program or function and supervises other staff members
550	Other Administrator	Person who performs administrator duties not listed elsewhere.
612	School Business Official	Person who performs, supervises, and is responsible for the overall financial operations of the local school board.
616	Special Education Consultant	The special education instructional specialist who provides ongoing support to special and general education instructional personnel delivering services to eligible individual. The consultant participates in the identification process and program planning of eligible individuals as well as working to attain the least restrictive environment appropriate for each eligible individual. The consultant demonstrates instructional procedures, strategies, and techniques; assists in the development of curriculum and instructional materials; assists in transition planning; and provides assistance in classroom management and behavioral intervention.
618	Content/Curriculum Consultant	Person who provides coordinative services and articulation within an instructional program or area of instruction.

624	Social Worker	Person who assists in the prevention of, or solution to, those personal, social, and emotional problems of individuals and their relationship with the family, school, and community.
626	Specialist	Person who provides information and guidance to other staff members in a specialized field.
633	Coordinator/Department Head	Person who coordinates and articulates an Educational Program or coordinates and improves the instructional program of a specific area.
660	Special Ed Support	Individuals who provide support services to PK-12 special education students. To include Social Work, School Psychological, Speech-Language, Audiology, Physical, and Occupational Therapy.
698	Nurse (SPR on file with BOEE)	Person who performs activities requiring substantial specialized judgment and skill in the observation, care, and counsel of ill and injured persons, and in illness prevention. The person filling this position must hold a bachelor's degree and an SPR with the Board of Educational Examiners.
699	Coach	Person who instructs individuals in the fundamentals of a competitive sport and direct team or individual strategy.
721	Counselor	Person who performs any of the following activities: counseling with students and parents, consulting with other staff members on learning problems, evaluating students abilities, assisting students in making educational and career choices, assisting students in personal and social development, providing referral assistance, and/or working with other staff members in planning and conducting guidance programs for students.
722	Teacher Librarian/Media Specialist	Person who develops plans for and manages the use of teaching and learning resources.

101	Paraprofessionals/Aides	May be in SIS system, otherwise in HR system.
104	Library/Media Associate	
106	Student Support	Person providing non-instructional services to students. Includes Pupil Transportation supervisors.
107	Other Support	Person not reported in instructional or student support.
112	Board Secretary	
121	Technology	Person involved with the districts information technology system, including the student information system, administrative networks, system analysis and planning, system application development. Also include network administrators, programmers.
124	Mental Health Counselors	
130	Records Transfer Staff	Person responsible for entering, retrieving, or sending student records from or to another school or student records system.
131	Recreation and Therapeutic Recreation Specialists	Person who plans, organizes, and directs medically approved recreation programs.
132	Interpreters	Person who provides services to children who are deaf or hard of hearing, including oral transliterations services; cued language transliteration services; and sign language interpreting services.
133	Other School Business Officials	Person who coordinates office services such as personnel, financial accounting, budget preparation and control, records control, and special management activities.
134	HR/Personnel Manager	Person who directs individuals and manages functional supporting services in the human resources area, under the direction of a senior staff member.
135	Dietician	
136	Food Service	Staff involved with providing food to students and staff. Supervisors should be reported under other student support.

137	Other Professional	A general job classification that describes staff that performs duties requiring a high degree of knowledge and skills such as staff lawyers, internal auditors, and CPAs.
138	AEA Supervisors/Managers	Person who directs individuals and manages functional supporting services under the direction of a senior staff member.
139	Other Supervisors/Managers	Person who directs individuals and manages functional supporting services under the direction of a senior staff member.
141	Technology Support	Person in positions requiring a combination of knowledge and manual skill. This list includes tech support, hardware specialist and operators, film inspectors, projectionists, graphic artists, draftsmen etc.
142	Other Technical	Person that performs tasks requiring a combination of basic scientific knowledge and manual skills such as high speed printers or presses, computer operators, computer programmers and analysts.
143	Nurse (No SPR from BOEE)	Person who performs activities requiring substantial specialized judgment and skill in the observation, care, and counsel of ill and injured persons, and in illness prevention. The person filling this position DOES NOT hold an SPR with the Board of Educational Examiners.
144	Health Assistant	Person, without a health license, employed and educated to function in an assistive role to the registered nurse (RN). The school HA provides health services delegated by a RN and in according with their job description. The health service(s) may be for an individual student or a group of students as specified school procedures.
151	Recruiters	Person responsible for identifying and recruiting children as eligible for the Migrant Education Program.
152	District Wide Administrative Support	Person who provides direct support to the District/System/AEA administrators. This would include business office support, data processing, secretarial and other clerical staff.

153	School Administrative Support	Person whose activities are concerned with support of the teaching and administrative duties of the office of the principal. This would include clerical staff and secretaries at the building level as well as anyone.
171	Pupil Transportation	Person involved with conveying students to and from school, including vehicle operation and maintenance. Supervisors should be reported under other student support.
175	Transportation - Other than pupil transportation	Persons involved with transportation other than pupil transportation, including staff pool vehicles.
181	Operations and Maintenance	Person involved with keeping the physical building open, comfortable and safe for use and with keeping grounds, buildings, and equipment in effective working condition and state of repair, and with keeping the building clean and ready for daily use and the care and maintenance of vehicles other than those used for student transportation. Supervisors should be reported under other support services.
191	Security	Person involved with maintaining a secure environment for students and staff. Include campus police, security guards and school crossing guards.
192	Day Care Worker	Persons involved with daycare services provided by the district. Does not include Supervisors.

A.1.7 EmployeeAssignment – SIF_ExtendedElement AssignmentCode – Iowa Assignment Codes

Below are the Iowa BEDS Assignment Codes that are mostly non-teaching assignments and likely to be in the HR system. These will be conveyed via an Extended Element on EmployeeAssignment.

EmployeeAssignment SIF_ExtendedElement AssignmentCode BEDS ID A410A		
Code	**Description**	**Full Definition**
30010	Guidance	
30020	Library/Media Center	
40001	Superintendent/Assistant Superintendent/AEA Chief Administrator	
40002	Administration (Elementary)	
40003	Administration (Middle School	
40004	Administration (Junior High School)	
40005	Administration (High School)	
40006	Administration (Alternative School)	
40007	Administration (General, other than Superintendent, Asst Superintendent, AEA Chief Administrator)	
40008	General Education Supervisor	
40010	Special Education Supervisor	
50001	Adult Education	
50002	Agriculture Education	
50003	Art	
50004	At-Risk	
50005	Activities/Athletics	
50006	Talented and Gifted	
50007	Title I	
50008	Data Processing	
50009	Driver Education	
50010	Education Services	
50011	Elementary Curriculum	
50012	Elementary Education	
50013	English/Language Arts	
50015	Fine Arts	
50016	Foreign Language	
50017	Health	
50018	Family and Consumer Science	
50019	Industrial Education	
50020	Library/Media	

50021	Marketing Education	
50022	Mathematics	
50023	Multi-Occupations	
50024	Music	
50025	Business	
50027	Physical Education	
50030	Reading	
50031	Science	
50032	Secondary Curriculum	
50033	Secondary Education	
50034	Social Studies	
50035	School Business Officials	
50036	English as a Second Lang	
50037	Theater/Drama	
60001	Head Start Program	
60002	Kindergarten	
60003	Pre-Kindergarten	
60007	Computer (Applications/Keyboarding)	
60008	Foreign Language	
60009	English/Language Arts	
60010	Vocational	
60011	Health and Safety	
60012	Human Growth and Development	
60013	Mathematics	
60016	Music	
60017	Physical Education	
60018	Reading	
60021	Science	
60022	Social Studies	
60023	Traffic Safety	
60024	Visual Arts	
60025	Industrial/Technology Education	
60026	Elective Activities	
60027	Fine Arts	
60028	Band/Orchestra	
60029	Vocal Music	
60030	English as a Second Lang	
60031	Religion	

60032	4 Year-Old Preschool	
60033	General Elementary Classroom	
60034	Home School	
60035	Guidance Counselor	
60036	Exploratory	
60037	Family and Consumer Science	
60038	Business	
60040	Library/Media	
60041	At-Risk	
60046	Talented and Gifted	
60048	Hospital/Homebound	
70001	Audiologist	Person who provides the following services to children with disabilities: Identification of children with hearing loss; Determination of the range, nature, and degree of hearing loss, including referral for medical or other professional attention for the habilitation of hearing; Provision of habilitative activities, such as language habilitation, auditory training, speech reading; Creation and administration of programs for prevention of hearing loss; Counseling and guidance of children, parents, and teachers regarding hearing loss; and Determination of the children's needs for group and individual amplification, selecting and fitting an appropriate aid, and evaluating the effectiveness of amplification.
70002	Technology	
70004	Educational Media	Person who works with devices, content material, methods, or experiences used for teaching and learning purposes. These include printed and non-printed sensory materials.
70006	Educational TV	
70011	Special Education Consultant	
70014	Occupational Therapy	Person who performs activities involving occupational methods of treatment and rehabilitation without the use of drugs or surgery.
70015	Other Services, Special Education	
70016	Physical Therapy	Person who performs activities involving physical methods of treatment and rehabilitation without the use of drugs or surgery.
70018	Intervention Specialist	
70020	Psychological Services	Person who is licensed as a psychologist to evaluate and analyze a student's behavior by measuring and interpreting their intellectual, emotional, and social development, and diagnosing their educational and personal disabilities.
70021	School Social Work Services	Person who provides the following services to children with disabilities: Preparing a social or developmental history on a child with a disability; Group and individual counseling with the child and family; Working in partnership with parents and others on those problems in a child's living situation (home, school, and community) that affect the child's adjustment in school; Mobilizing school and community resources to enable the child to learn as effectively as possible in his or her educational program; and Assisting in developing positive behavioral intervention strategies.

70023	Speech and Language Services	Person who provides the following services to children with disabilities: Identification of children with speech or language impairments; Diagnosis and appraisal of specific speech or language impairments; Referral for medical or other professional attention necessary for the habilitation of speech or language impairments; Provision of speech and language services for the habilitation or prevention of communicative impairments; and Counseling and guidance of parents, children, and teachers regarding speech and language impairments.
70025	Vocational Rehabilitation	Vocational rehabilitation services provided to a student with disabilities.
70028	Transition Consultant/Coordinator	
70029	Orientation and Mobility	Person providing services to blind or visually impaired students to enable those students to attain systematic orientation to and safe movement within their environments in school, home, and community; and Teaching students the following, as appropriate: . Spatial and environmental concepts and use of information received by the senses (such as sound, temperature and vibrations) to establish, maintain, or regain orientation and line of travel (e.g., using sound at a traffic light to cross the street); . To use the long cane to supplement visual travel skills or as a tool for safely negotiating the environment for students with no available travel vision; . To understand and use remaining vision and distance low vision aids; and . Other concepts, techniques, and tools.
70030	Challenging Behavior/Autism Strategist	Person who provides services for students with a developmental disability significantly affecting verbal and non verbal communication and social interaction, generally evident before age three, which adversely affects educational performance. Characteristics of autism include irregularities and impairments in communication, engagement in repetitive activities and stereotyped movements, resistance to environmental change or change in daily routines, and unusual responses to sensory experiences. This does not include services for children with characteristics of the disability "serious emotional disturbance."
90001	Coach	
90002	Non-Employee Coach	
95001	Nurse	Person who performs activities requiring substantial specialized judgment and skill in the observation, care, and counsel of ill and injured persons, and in illness prevention. The person filling this position must hold a bachelor's degree and an SPR with the Board of Educational Examiners.
99050	Non Licensed Staff	
91060	Instructional Paraprofessionals/Aides	May be in the SIS system.
91061	Non-Instructional Paraprofessionals/Aides	

A.1.8 EmployeeAssignment – ProgramType – Iowa Program Codes

Note: 4 out of 11 Iowa Program Codes do not match NCES0229ProgramTypeType codes. Use OtherCode.

Program Codes EmployeeAssignment ProgramType BEDS ID P600A		
Code	**Description**	**Iowa Code Definition**
00	No special program	
01	Migrant	A program of instruction and services for those children who move periodically with their families from one school to another in a different geographical area in order that a parent or other member of the immediate family may secure seasonal employment.
02	ESL	A program of instruction and services in which students identified as limited English proficient are placed in regular immersion instruction for most of the school day but receive extra instruction in English for part of the day. This extra help is based on a special curriculum designed to teach English as a second language and to develop the student's ability to use the English language in an academic setting. The non English home language may or may not be used in conjunction with ESL instruction.
03	Title I TAS - Title I Funded	Title I Targeted Assistance supported with Title I Funds
04	Title I TAS - Not Title I Funded	Title I Targeted Assistance - Not supported with Title I Funds
05	Title I SWP	Title I Schoolwide Program
06	Other Federal programs	Other Federal programs not listed.

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

A.1.9 DisciplineIncident - Weapon Type Codes

Note: Used in “WeaponType” child element of “StudentRemoval” on the “IA Profile Extensions” SIF ExtendedElement.

Iowa Weapon Type Codes DisciplineIncident WeaponType EASIER ID E0060	
Code	**Description**

H	Handgun
R	Rifle or shotgun
F	Other firearm
K	Knife
B	Bomb
L	Look alike or fake weapon
O	Other weapon not listed
N	Not applicable

A.1.10 SIF SubjectArea SCEDSecondaryCoursesType - Iowa Accreditation Program Area Codes

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

Iowa Accreditation Program Area Codes EASIER ID C0040	
Code	**Description**
1	English/Language Arts
2	Fine Arts
3	Foreign Language
4	Health
5	Mathematics
6	Physical Education
7	Science
8	Social Studies
9	Vocational/CTE
0	Not Used for Accreditation

A.1.11 Race Codes – Iowa State Reporting Codes

The Agent is to provide a race list containing NCES0849RaceType codes in the Race Code element.

For student data (StudentPersonal), at least one of the five race codes must be provided. Multiple race codes may be provided.

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

Below are the instructions for the SIS vendors for calculating this singular code value. (See IA EASIER Data Dictionary and search on "D0035" or "Race/Ethnicity_StateID".)

Uniq-ID Race/Ethnicity Calculations

Calculate in sequence using the first true statement:

If Hispanic / Latino (D0042) = 1 then H or
If two or more of American Indian or Alaska Native (D0043) or Asian (D0044) or Black or African American (D0045) or Native Hawaiian or Other Pacific Islander (D0046) or White (D0047) = 1 then M
[i.e. Hispanic / Latino = 0 and two or more races = 1] or
If American Indian or Alaska Native (D0043) = 1 then I or
If Asian (D0044) = 1 then A or
If Black or African American (D0045) = 1 then B or
If Native Hawaiian or Other Pacific Islander (D0046) then P or
If White (D0047) = 1 then W

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

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

A.2 Iowa SLF (Uniq-ID) Input Parameters

Element	Format	Min Len	Max Len	Required
School Number	Alpha	4	4	Y
Resident District	Alpha	4	4	Y
Student Last Name	Alpha	1	60	Y
Student First Name	Alpha	1	60	Y
Student Middle Name	Alpha	1	60	N
Student Suffix	Alpha	1	10	N
Gender	Alpha	1	1	Y
Birth Date	Date	10	10	Y
Grade Level	Alpha	2	2	Y
Local Student ID	Alpha	1	20	Y
Social Security Number	Numeric	9	9	N
RaceEthnicity_StateID	Alpha	1	1	Y
State Student ID	Numeric	10	10	N

Attending District	Alpha	4	4	Y
Current School Year	Numeric	4	4	Y
Entry Code	Alpha	1	2	Y

A.3 StudentRecordExchange Objects

A.3.1 StudentAcademicRecord - SchoolAttended / SchoolInfoData / SchoolName

For Iowa Transcripts and Student Records, the SIF SchoolInfoData/SchoolName element is used for these values:

- Name of the institution that is providing or provided the course that the student is taking or took.
- Name of the building the student currently attends.

For these two data elements, the Agent is to provide separate instances of SchoolInfoData.

For the Institution Providing the Course section, only provide this element when it is different than the school that normally takes attendance for the student. When the name of the Institution (which can be out of district, even out of state) is not available in the SIS, default this element to the LocalId. This default is only for when the school is different than the attending school.

For the name of the building the student currently attends, the path is Term/SchoolAttendedRefId (most recent).

A.3.2 StudentAcademicRecord - SchoolAttended / SchoolInfoData / LocalId

For Iowa Transcripts and Student Records, the SIF SchoolInfoData/LocalId element is used for these values:

- Local ID of the institution that is providing or provided the course that the student is taking or took.
- Local ID of the building the student currently attends.

For these two data elements, the Agent is to provide separate instances of SchoolInfoData. In terms of consuming the different values, it will be the path to SchoolAttendedRefId that will distinguish the two instances of SchoolAttended mentioned above.

For the Institution Providing the Course (only used when it is different than the school that normally takes attendance for the student), the path is Course/SchoolAttendedRefId.

For the name of the building the student currently attends, the path is Term/SchoolAttendedRefId.

Additional Notes on SchoolAttended / SchoolInfoData / LocalId:

- For the Local ID of the building the student currently attends or attended, the ID will be an 8-digit code of a building within the district.
- For the Local ID of the institution providing the Course section, the ID will be a 6-digit or 8-digit code. The default value is an 8-digit code (district code+0000).

If the Local ID is not available, the Agent is to provide the state assigned value in its place.

The ID of the Institution Providing the Course section (C0050) is described in the Iowa DE EASIER Data Dictionary as such:

"If the institution is an Iowa school district, an Iowa Accredited Nonpublic School, an AEA, or an Out-of-state School, use the eight-digit Destination Location code. If the institution is postsecondary, use the six-digit Integrated Postsecondary Education Data System (IPEDS) code."

For example, a concurrent credit course offered by a community college but taught in the attending district building will have the community college name as the Institution Providing the Course.

A.3.3 StudentDemographicRecord - Crosswalk for MigrantCode

Iowa Migrant Codes EASIER ID D0320		
EASIER Code	**Description**	**SIF Value**
1	Yes and in a federally funded program	Yes
2	Yes but not in a federally funded program	Yes

0	No	No

A.3.4 StudentDemographicRecord - Crosswalk for Homeless

Iowa Homeless Type Codes EASIER ID D0340		
EASIER Code	**Description**	**SIF Value**
1	Sheltered/Transitionally Housed	Yes
2	Doubled-up	Yes
3	Unsheltered	Yes
6	Hotel/Motel	Yes
99	Not applicable	No

A.3.5 StudentDemographicRecord - Crosswalk for IDEA

Iowa Coordinated Early Intervening Services (CEIS) Codes EASIER ID D0340		
EASIER Code	**Description**	**SIF Value**
1	Yes and funded by the LEA	Yes
2	Yes and funded by the AEA	Yes
3	Yes and funded by both LEA and AEA	Yes
0	No	No

A.3.6 StudentDemographicRecord - Crosswalk for ELL

Iowa ELL Status Codes EASIER ID D0420		
EASIER Code	**Description**	**SIF Value**
1	Student is in an English Language Instructional Program	Yes
2	Identified as ELL but not in a program	Yes
3	Transitional	Yes
4	Exited	No
5	Tested and not identified as ELL	No
99	Not applicable	No