2. X Wave Requirements

Student Information Systems

SIF Object Mapping Document

02/09/2022
VERSION 1.14

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1 - SIF Object Mappings

The table below identifies the columns being utilized for the SIF Object Mappings tables. Element, Attribute, Char, and SIF Description have been obtained directly from the SIF 2.0r1 Implementation Specification (with the exception of StudentAttendanceSummary, section 6.15) and are reprinted with permission from Schools Interoperability Framework Association. Printed by the State Department of Education as authorized by 70 O.S. § 3-104.

In addition to identifying the object, elements and *Wave* Business Rules, a section entitled "Common Issues" is provided for each object to identify areas where data is commonly invalid or fails to meet the standard for that element as required in the SIF 2.0r1 Specification. It may also contain some "best practices" to use when providing this object/element to the OSDE.

Table Key					
Element	**Attribute**	**Char**	**Wave Element**	**SIF Description**	**Wave Business Rules**
SIF 2.0r1 Implementation Specification Object/Element Name	Identifies attribute of element	As identified by the SIF 2.0r1 Implementation Specification	Identifies *Wave* requirements for SIF 2.0r1 Implementation Specification optional elements ● **M** = Mandatory ● **MR** = Mandatory Repeatable ● C = Conditional ● R = Repeatable ● O = Optional ● N = Not Used	Object/Element SIF 2.0r1 Implementation Specification description	Identifies OSDE business rules for object/element

1.1 Address

(SIF specification 2.0r1 - 6.2.1)

This element represents an address. This element occurs within objects and elements such as StudentPersonal.

Common Issues

- StateProvince – The StateProvince is required in the SIF Specification to be two upper case letters from the specified code list.
- Country – The Country is required in the SIF Specification to be two upper case letters from the specified code list or four uppercase letters when the country is the code for a formerly used name of a country as identified in the specific code list for SIF 2.0r1.
- PostalCode – The PostalCode is commonly mistyped by the end-user. Validation on this field in the SIS to ensure that 5 or 9 numeric digits are recorded when the Country is US would help to eliminate many of the mistyped PostalCodes.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
Address					
Type		M	**M**	Code that defines the location of the address. Note: A subset of specific valid values for each instance in a data object may be listed in that object.	*Refer to SIF code set document 1.1.*
Street		M	**M**	The street element is a complex element and is broken down into several parts below	
Street/Line1		M	**M**	Address line 1.	
Street/Line2		O	O	Address line 2.	
Street/Line3		O	O		
Street/Complex		O	O		
Street/StreetNumber		O	O		
Street/StreetPrefix		O	O		
Street/StreetName		O	O		
Street/StreetType		O	O		
Street/StreetSuffix		O	O		

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
Street/ApartmentType		O	O		
Street/ApartmentNumberPrefix		O	O		
Street/ApartmentNumber		O	O		
Street/ApartmentNumberSuffix		O	O		
City		M	**M**	The city part of the address.	
County		O	O	The county part of the address.	
StateProvince		M	**M**	The state or province code.	
Country		M	**M**	The country code.	
PostalCode		M	**M**	The ZIP/postal code.	
GridLocation		M	N		

1.2 AttendanceCodeInfo Object

(SIF specification 2.0r1 - 6.14.1)

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

Object Validation:
Error Number 900210002 – The CourseTitle or name of the course was not provided.
Error Number 900710017 – AttendanceStatus does not align with AttendanceType.
Error Number 900710027 – SchoolYear is expressed as a four-digit year in which the school year ends. The SchoolYear provided is invalid.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
AttendanceCodeInfo					
	RefId	M	M	The Id (GUID) that uniquely identifies this AttendanceCodeInfo entity.	**Object that Reference AttendanceCodeInfo RefId:** StudentDailyAttendance
SchoolInfoRefId		M	M	The Id (GUID) that identifies the school where the attendance code is used.	This links the attendance code to the SchoolInfo object.
AttendanceCode		M	M	Locally defined code for attendance	
AttendanceType		M	M	Type of attendance code. Values: Absent Tardy Early Departure Partial Present Other	The Wave requests the AbsenceValue for absents be marked as 1.0 (full day) or 0.5 (half day). If the student is participating in a field trip, sporting events, etc. the AttendanceType should be Present and the absence value should be 0.0 if the student is in attendance during the duration of the event.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
AttendanceStatus		M	M	Excused status of the attendance code. Values: Excused Unexcused Unknown NA	
Description		O	M	The text description of the attendance code	
AbsenceValue		O	M	The amount of absence represented by AttendanceCode, up to three decimal places	Districts and vendors are free to utilize this object however applicable horizontally and are free to send multiple values differing from the values below. These will not be used in calculating state aid attendance for the district. The Wave will need to receive the following values for this object when "UsedForDailyAttendance" has "Yes" value for the purposes of calculating state aid: 1.0 0.5 1.0 indicates a full day of absence 0.5 indicates a half day of absence (half day of attendance)
UsedForDailyAttendance		M	M	Is this attendance code used for daily attendance? Values: Yes No	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
UsedForPeriodAttendance		M	M	Is this attendance code used for period attendance? Val ues:	
				Yes No	
SIF_Metadata		O	O		
SIF_ExtendedElements		O	O		

1.3 CalendarDate Object

(SIF specification 2.0r1 - 6.14.2)

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

Object Validation:
Error Number 900210003 – CalendarDateType_Other_Code was not provided.
Error Number 900210004 – The CalendarDateType_OtherCode is invalid.
Error Number 900210005 – StudentAttendance_CountsTowardAttendance was not provided.
Error Number 900210006 – The CalendarDate provided does not have an associated CalendarSummary.
Error Number 900210007 – SIF_ExtendedElement DailyInstructionalMinutes was not provided.
Error Number 900310001 – SIF_ExtendedElement DailyInstructionalMinutes is invalid.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
CalendarDate					
Date		M	**M**	A specific school day that occurs within the school year.	
CalendarSummaryRefId		M	**M**	The Id (GUID) of the calendar summary in which this calendar date is.	This links the CalandarDate to the CalendarSummary object.
SchoolInfoRefId		M	**M**	The Id (GUID) of the school for which this calendar information is being reported.	This links the CalendarDate to the SchoolInfo object.
SchoolYear		M	**M**	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2019" for the 2018-19 school year.)	
CalendarDateType		M	**M**	Calendar date type information.	
	CalendarDateType/Code	M	**M**	Code indicating the type of school day.	*Refer to SIF code set document 1.31.*

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	CalendarDateType/OtherCodeList	O	M		A Codeset of "StateProvince" will be used here. Values: NA, 01, 02, 03 NA – Not Applicable 01 – Professional Day 02 – Parent/Teacher Conference 03 – Virtual Instructional Day If the day being reported represents a Professional Day (01) as defined by what will be reported on the First Quarter or Annual Statistical Report or the Accreditation Report as a Professional Day, the code of 01 will be sent. If the day being reported represents a Parent/Teacher Conference Day (02), the code of 02 will be sent. Otherwise, the code of NA will be sent.
CalendarDateNumber		O	M	Order in which the calendar date falls within the school calendar.	
StudentAttendance		O	M	Information describing how the day relates to student attendance.	
	StudentAttendance/CountsTowardAttendance	M	M	Designates whether this date should be counted toward student attendance. Values: Yes No	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	StudentAttendance/AttendanceValue	M	**M**	Amount of the school day in which the student should be in attendance (Format is x.x; a student who should be in attendance a full day would be represented as 1.0) If CountsTowardAttendance equals Yes then StudentAttendance AttendanceValue must be greater than zero.	Values: 0.0 0.5 1.0
TeacherAttendance		O	O	Information describing how the day relates to teacher attendance.	
	TeacherAttendance/CountsTowardAttendance	M	**M**	Designates whether this date should be counted toward teacher attendance.	
	TeacherAttendance/AttendanceValue	M	**M**	Amount of the school day in which the teacher should be in attendance (format is x.x; a teacher who should be in attendance a full day would be represented as 1.0).	Values: 0.0 0.5 1.0
AdministratorAttendance		O	O	Information describing how the day relates to administrator attendance.	
	AdministratorAttendance/CountsTowardAttendance	M	**M**	Designates whether this date should be counted toward administrator attendance.	
	AdministratorAttendance/AttendanceValue	M	**M**	Amount of the school day in which the administrator should be in attendance (format is x.x; an administrator who should be in attendance a full day would be represented as 1.0).	Values: 0.0 0.5 1.0
SIF_Metadata		O	O		

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SIF_ExtendedElements	SIF_ExtendedElements/SIF_ExtendedElementName= "DailyInstructional Minutes"	O	M		Daily Instructional Minutes This value will be a number without decimal places. The total number of instructional minutes for this specific date. Instructional minutes do not include Lunch. If this specific date does not represent an instructional day, the value 0 should be sent.

1.4 CalendarSummary Object

(SIF specification 2.0r1 - 6.14.3)

This object provides a summary of a school's calendar information for a given school year.

Object Validation:
Error Number 900310002 – DaysInSession is out of range.
Error Number 900310003 – DaysInSession was not provided.
Error Number 900310004 – EndDate is out of range.
Error Number 900310005 – EndDate was not provided.
Error Number 900310006 – FirstInstructionDate is out of range.
Error Number 900310007 – FirstInstructionDate was not provided.
Error Number 900310008 – GradeLevels is invalid.
Error Number 900310009 – GradeLevels was not provided.
Error Number 900310010 – GraduationDate is out of range.
Error Number 900310011 – InstructionalMinutes is invalid.
Error Number 900310012 – InstructionalMinutes was not provided.
Error Number 900310013 – LastInstructionDate is out of range.
Error Number 900310014 – LastInstructionDate was not provided.
Error Number 900310015 – LocalId was not provided.
Error Number 900310016 – MinutesPerDay is invalid.
Error Number 900310017 – MinutesPerDay was not provided.
Error Number 900310018 – SchoolYear
Error Number 900310019 – SchoolYear
Error Number 900310020 – SIF_ExtendedElement (LunchMinutes) was not provided.
Error Number 900310021 – StartDate is out of range.
Error Number 900310022 – StartDate was not provided.
Error Number 900310023 – SIF_ExtendedElement FirstNineWeeks date was not provided.
Error Number 900310024 – SIF_ExtendedElement FirstNineWeeks date is invalid.
Error Number 900510007 – CalendarDate objects have not been supplied for this CalendarSumma

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
CalendarSummary					
	RefId	M	**M**	The ID (GUID) of the calendar to which this information relates.	**Object that Reference CalendarSummary RefID:** StudentAttendanceSummary StudentSchoolEnrollment
SchoolInfoRefId		M	**M**	The ID (GUID) of the school for which this calendar information is being reported.	This links the CalendarSummary to the SchoolInfo object.
SchoolYear		M	**M**	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2019" for the 2018-19 school year).	
LocalId		M	**M**	The locally assigned identifier for this calendar.	
Description		M	**M**	Textual description of the school calendar.	Starting in the fall of 2018, OSDE will attempt to populate fields in the First Quarter Statistical Report by using student level data submitted through *The Wave.* The following text in the CalendarSummary description field is used to flag exception calendars. The following text must be contained in the description in order to be flagged • MAIN – a calendar that is used for typical student body enrollment at your district/site • COOP – a calendar that is used for COOP students that are attending your district/site • RV – a calendar that is used for resident virtual students that are attending your district/site • Alt Ed – a calendar that is used

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					for your alternative students that are attending your district. • Other – a calendar that is used for another scenario that is not mentioned above that would cause you to have an exception for the FQSR/ASR.
DaysInSession		M	M	The total number of days that the school was or is anticipated to be in session during the school year. Also included are days on which the education institution facility is closed and the student body as a whole is engaged in planned activities off-campus under the guidance and direction of staff members.	
StartDate		O	M	The first calendar date, whether or not instruction was provided. If both CalendarSummary and CalendarDate objects are supported, StartDate must be the date of the first chronological instance of CalendarDate for the school's calendar.	
EndDate		O	M	The last calendar date, whether or not instruction was provided. If both CalendarSummary and CalendarDate objects are supported, EndDate must be the last chronological instance of CalendarDate for the school's calendar.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
FirstInstructionDate		O	**M**	The first day of student instruction.	
LastInstructionDate		O	**M**	The last day of student instruction (including days or times that students are present for purposes of testing and/or evaluation, but not including whole or part-days whose sole purposes is for distribution of report cards).	
GraduationDate		O	O	Date of graduation ceremony	
InstructionalMinutes		O	**M**	The total number of instructional minutes for this calendar for the school year.	
MinutesPerDay		O	**M**	The number of minutes in the day in which the school is normally in session.	
GradeLevels		O	**M**	Collection of grade levels applicable to this school calendar.	*Refer to SIF code set document 1.6.*
SIF_Metadata		O	O		
SIF_ExtendedElements	SIF_ExtendedElements/SIF_ExtendedElementName="LunchMinutes"	O	**M**		Number of minutes designated for lunch per day.
	SIF_ExtendedElements/SIF_ExtendedElementName="FirstNineWeeks"	O	**M**		Format: xs: date YYYY-MM-DD The CalendarDate when the first nine weeks ends (inclusive of the date itself) as determined by the date that will be used to calculate the attendance and membership for the First Quarter Statistical Report. This element will be used to determine the date range for pulling the First Quarter of the StudentAttendanceSummary.

1.5 Demographics

(SIF specification 2.0r1 - 6.2.10)

This object is used to provide demographic information for the StudentPersonal object.

Common Issues

- StateOfBirth – The StateOfBirth is required in the SIF Specification to be two upper case letters as identified in the 2.0r1 State Code list.
- CountryOfBirth – The CountryOfBirth is required in the SIF Specification to be two upper case letters as identified in the 2.0r1 Country Code list or four uppercase letters when the country is the code for a formerly used name of a country as identified in the specific code list for SIF 2.0r1.
- LanguageList/Language/Code – The Language Code is required in the SIF Specification to be three lower case letters as identified in the SIF 2.0r1 Language code list.

Object Validation:

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
Demographics				Demographics information about the student, contact, staff member, etc. This element occurs within objects such as StudentPersonal, StudentContact, etc.	
RaceList		O	**M**		Required for StudentPersonal and StaffPersonal. The ability for the SIS to track and send multiple is required. *Refer to SIF code set document 1.8.*

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
HispanicLatino		O	M	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.	Values: "Yes" or "No" Required for StudentPersonal and StaffPersonal If the Hispanic/Latino ethnicity is sent as Yes, the student is considered Hispanic regardless of any identified race.
Gender		O	M	Person's biological sex at birth, as stated on the birth certificate or other official documentation.	Required for StudentPersonal and StaffPersonal *Refer to SIF code set document 1.5.*
BirthDate		O	M	The person's date of birth.	Required for StudentPersonal and StaffPersonal
BirthDateVerification		O	O	Means by which the person's birth date was validated.	
PlaceOfBirth		O	O	The person's place of birth—village, town, city, etc.	
CountyOfBirth		O	O	The county in which the person was born.	
StateOfBirth		O	C	The person's state of birth.	Required if CountryOfBirth = "US" for StudentPersonal only
CountryOfBirth		O	M	The person's country of birth.	Required for StudentPersonal only
CountriesOfCitizenship		O	O		
	CountriesOfCitizenship/CountryOfCitizenship	MR	MR	A person's country of citizenship.	
CountriesOfResidency		O	O		
	CountriesOfResidency/CountryOfResidency	MR	MR	A person's country of residence.	
CountryArrivalDate		O	O	Date the person first arrived in the country.	
CitizenshipStatus		O	O	The person's citizenship status.	
EnglishProficiency		O	M		Required for StudentPersonal only.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	EnglishProficiency/Code	M	**M**	Person's proficiency in English.	Required for StudentPersonal only. *Refer to SIF code set document 1.17 for codes and descriptions.*
	EnglishProficiency/OtherCodeList	O	**M**		Required for StudentPersonal only. A Codeset of "StateProvince" will be used here. Values: "01", "02", "03', "04", "05", "06", "NA" *Refer to SIF code set document 1.17*
LanguageList		O	C		Required if StudentPersonal/EL= "Yes" Required for StaffPersonal if language is anything other than "eng" (English). The intent for LanguageList for StaffPersonal is to retrieve data on bilingual or multilingual teachers. As such, the code of "eng" will be acceptable on all staff and in addition to the code of "eng" *The Wave* would expect to receive multiple language codes for bilingual or multilingual teachers.
	LanguageList/Language	MR	**MR**		
	LanguageList/Language/Code	M	**M**	The code representing the specific language that an individual uses to communicate.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	LanguageList/Language/OtherCodeList	O	C		Required if LanguageList/Language/Code= "nai" *Refer to SIF code set document 1.10 Supplemental nai Language Code* Required if LanguageList/LanguageCode= "mis" *Refer to SIF code set document 1.11Supplemental mis Language Code* The OtherCode Codeset attribute must be "StateProvince"
	LanguageList/Language/LanguageType	O	**M**	An indication of the function and context in which an individual uses a language to communicate.	Required for StudentPersonal only (Not Required for StaffPersonal) This code further defines how this language is used by the individual. The 2017-2018 Home Language Survey should be utilized to determine the appropriate language type code. Question 1 corresponds with code 1036. Question 2 corresponds with code 1037. Question 3 corresponds with code 1038. This requires that districts have the ability to select multiple language types for one language and the ability to select multiple languages with different language types. *Refer to SIF code set document 1.20 LanguageType Code*

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	LanguageList/Language/Dialect	O	O	Specific dialect of a person's language.	
DwellingArrangement		O	O	Setting/environment in which the person resides.	
	DwellingArrangement/Code	M	**M**	Code representing the setting/environment in which the person resides.	*Refer to SIF code set document* 1.15.
	DwellingArrangement/OtherCode List	O	O		
MaritalStatus		O	O	The person's marital status.	

1.6 DisciplineIncident Object

(SIF specification 2.0r1 - 6.14.4)

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

This object is used to populate the Annual Incident Report so the minimum reporting requirements are to report those incidents, which would normally be tracked to produce the data necessary to fill in this yearly report.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
DisciplineIncident				This object provides information on incidents involving violence, weapons, drugs, and other safety and discipline issues.	
RefId		M	**M**	The unique identifier (GUID) of this discipline incident.	
SchoolYear		M	**M**	School year in which the incident occurred, and for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2018" for the 2017-18 school year).	
AgencyReporting		M	**M**	The ID (GUID) of the school or LEA reporting the incident, usually the school in which the incident occurred.	
SIF_RefObject		M	**M**	The name of the SIF object to which the GUID relates.	Objects Referenced: SchoolInfo LEAInfo
IncidentNumber		M	**M**	The locally-defined unique identifier (within the school or school district) to identify this specific incident or occurrence.	
IncidentDate		M	**M**	The date when the incident occurred.	
IncidentTime		M	**M**	The time when the incident occurred.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	Type	M	**M**	Identifies whether or not the incident occurred during school hours.	*Refer to SIF code set document 1.21 IncidentTime Type*
IncidentLocation		M	**M**	The locally-defined identifier or description of the location where the incident occurred.	
	Type	M	**M**	Identifies where the incident occurred.	If the incident occurred in one location, but more than one code can describe the location, select the code that is most specific (e.g. 3011 – On Campus OR 3017 – Restroom. Select 3017 – Restroom) If the incident occurred in multiple locations, select the location where the incident began. *Refer to SIF code set document 1.22 IncidentLocation Type*
IncidentLocationRefId		O	O	GUID of the SIF object that relates to the school or location where the incident occurred, if applicable.	
SIF_RefObject		M	**M**	The name of the SIF object to which the GUID relates.	
IncidentCost		O	O	If the incident resulted in a quantifiable monetary loss for any entity involved, identify and record the value of that loss. Cost may be reported by specific monetary amount or range.	
IncidentReporter		M	**M**	Information regarding the individual who reported the incident.	
	Type	M	**M**	Identifies the type of individual who reported the incident.	*Refer to code table 1.23. Description Type*
IncidentReporter/Name		O	O	The name of the individual reporting the incident.	
IncidentReporter/SIF_RefId		O	O	GUID of the SIF object that relates to the person who reported the incident, if applicable.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	SIF_RefObject	M	**M**	The name of the SIF object to which the GUID relates.	
RelatedToList		O	C	List of categories to which the incident is related.	Required if the incident is related to one of five categories (listed below). If the incident is not related to one of the five categories, then this particular element will not be sent.
	RelatedToList/RelatedTo	OR	**MR**	Identifies if incident was related to a specific category.	If this incident is related to one of the categories below, supply that code. It can be related to more than one. In that instance, multiple codes will be supplied. 3066 Alcohol Related 3067 Drug Related 3068 Gang Related 3069 Hate Related 3070 Weapon Related
WeaponTypeList		C	C	List of weapons involved in the incident. If the incident involves weapons, the element must have a value.	
	WeaponTypeList/WeaponType	MR	**MR**	Identifies the type of weapon used during an incident.	*Refer to SIF code set document 1.24 WeaponType*
IncidentCategory		M	**M**	The category or description for this incident.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	IncidentCategory/Code	M	**M**	Identifies the type of incident being reported.	*Refer to SIF code set document 1.25 IncidentCategory Code*
	IncidentCategory/OtherCodeList	O	O	List of other codes or strings that crosswalk to or serve as translations of the Code element. If Code changes and OtherCode elements are supported, both Code and all associated OtherCode elements must be present.	
OffenderList		M	**M**	List of offenders.	
	OffenderList/Offender	MR	**MR**	Information regarding the offender(s)/perpetrator(s).	
	Type	M	**M**	Identifies the type of offender involved in the incident.	*Refer to code table. Description Type*
	OffenderList/Offender/Name	M	**M**	The name of the offender.	
	OffenderList/Offender/SIF_RefId	C	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.	
	SIF_RefObject	M	**M**	SIF Object to which the SIFRefId relates.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	OffenderList/Offender/Injury	M	M	Identifies whether or not this specific offender was physically injured, and if so, identifies whether the injury was major or minor.	Describes the injury of the offender. If no injury to the offender, the code would be 3065. 3063 Minor Injury 3064 Major Injury 3065 No Injury 3579 Serious Bodily Injury Definitions: **Major Injury & Serious bodily injury** – Great bodily injury meaning bone fracture, protracted and obvious disfigurement, protracted loss or impairment of the function of a body part, organ, or mental faculty or substantial risk of death. **Minor Injury** – Injury not included above. **No Injury** – No Injury
	OffenderList/Offender/ManifestationDetermination	O	M	Information relating to a manifestation determination meeting.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	OffenderList/Offender/ManifestationDetermination/MeetingHeld	O	M	Was a manifestation determination meeting held for this student regarding this offense?	The default value sent will be "No" for all incidents. If a manifestation determination meeting was held, then the value would be "Yes" Values: Yes No
	OffenderList/Offender/ManifestationDetermination/MeetingDate	O	C	Date of the manifestation determination meeting, if applicable.	Required if a Manifestation Determination Meeting was held.
	OffenderList/Offender/ManifestationDetermination/DueToDisability	O	C	Did the team determine that the offense was a manifestation of the student's disability?	Required if a Manifestation Determination Meeting was held. Values: Yes No
	OffenderList/Offender/ActionList	O	C	List of actions taken.	Required if action was taken.
	OffenderList/Offender/ActionList/Action	OR	MR	Information regarding the action(s) taken against the offender in response to the incident.	
	OffenderList/Offender/ActionList/Action/Code	M	M	Specific action taken toward this offender.	*Refer to code table . Action Code*
	OffenderList/Offender/ActionList/Action/OtherCodeList	O	O	List of other codes or strings that crosswalk to or serve as translations of the Code element. If Code changes and OtherCode elements are supported, both Code and all associated OtherCode elements must be present.	
	OffenderList/Offender/ActionList/Action/StartDate	M	M	The date on which the disciplinary action begins.	
	OffenderList/Offender/ActionList/Action/EndDate	M	M	The date through which the disciplinary action is in effect, inclusive.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	OffenderList/Offender/ActionList/Action/Duration	M	M	Identifies the length, in school days, of the disciplinary action. Note: decimal places may be used for fractions of school days.	
	OffenderList/Offender/ActionList/Action/ZeroTolerance	M	M	Identifies whether or not this action taken against a student was imposed as a consequence of state or local zero tolerance policies.	Values: Yes No
	OffenderList/Offender/ActionList/Action/FullYearExpulsion	M	M	Identifies whether or not the action involved an expulsion with or without services for a period of one full year (i.e., 365 days).	For Oklahoma, redefine "expulsion" as "out of school suspension" in the SIF Description at the left. Values: Yes No
	OffenderList/Offender/ActionList/Action/ShortenedExpulsion	M	M	Identifies whether or not the action involved an expulsion with or without services that is shortened to a term of less than one year by the superintendent or chief administrator of a school district.	For Oklahoma, redefine "expulsion" as "out of school suspension" in the SIF Description at the left. Values: Yes No
	OffenderList/Offender/ActionList/Action/PoliceNotification	M	M	Identifies whether or not the offender's action included notification of local law enforcement, regardless of whether official action was taken.	Values: Yes No
	OffenderList/Offender/ActionList/Action/Arrest	M	M	Identifies whether or not the offender was arrested.	Values: Yes No Pending
	OffenderList/Offender/ActionList/Action/AlternativeEducation	M	M	Identifies whether or not the offender was assigned to an Alternative Education facility.	Values: Yes No

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
VictimList		C	C	List of victim(s) if the incident is directed toward specific persons or their property.	
	VictimList/Victim	MR	**MR**	Information regarding the victim(s) in the incident.	
	Type	M	**M**	Identifies the type of individual victimized in the incident.	*Refer to code table. Description Type*
	VictimList/Victim/Name	O	O	The name of the victim.	
	VictimList/Victim/SIF_RefId	C	C	If the Victim Type attribute identifies the victim as a Student or Staff Member, then this element should contain the ID (GUID) of the student or staff to whom this information relates.	
	SIF_RefObject	M	**M**	SIF Object to which the SIFRefId relates.	
	VictimList/Victim/Injury	M	**M**	Identifies whether or not this specific victim was physically injured, and if so, identify whether the injury was major or minor.	Describes the injury of the victim. If no injury to the victim, the code would be 3065. 3063 Minor Injury 3064 Major Injury 3065 No Injury 3579 Serious Bodily Injury Definitions: **Major Injury & Serious bodily injury** – Great bodily injury meaning bone fracture, protracted and obvious disfigurement, protracted loss or impairment of the function of a body part, organ, or mental faculty or substantial risk of death. **Minor Injury** – Injury not included above. **No Injury** – No Injury
SIF_Metadata		O	O		

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SIF_ExtendedElements	SIF_ExtendedElements/SIF_ExtendedElementName= "ReasonForShortenedSuspension"	O	C		If the incident is related to firearms and the term of the suspension is reduced from one year to less than one year, provide the reason for shortening the suspension here. 70 O.S. 24-101.3 allows for the district board of education to modify the automatic minimum suspension period for firearm possession. This will be a free text field.

1.7 LEAInfo Object
(SIF specification 2.0r1 - 6.14.5)

This object is used to provide information about the Local Educational Agency (LEA.).

Common Issues

- StateProvinceId – This is commonly not filled in by the district or filled in incorrectly.
- NCESId – This is commonly not filled in by the district or filled in incorrectly. This information can be found by going to the following link and searching for the district/school: http://nces.ed.gov/globallocator/

Object Validation:
Error Number 900510022 – GradeLevels is invalid.
Error Number 900510024 – County/DistrictCode/ZoneTag mismatch.
Error Number 900710017 – StateProvinceId is invalid.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
LEAInfo				This object contains information about a school district or other local educational agency (LEA).	
	RefId	M	**M**	The GUID of the LEA whose information this is.	**Object that Reference LEAInfo RefID:** SchoolInfo
LocalId		M	**M**	The locally-assigned identifier for this LEA.	
StateProvinceId		M	**M**	The state-assigned identifier for this LEA.	● Concatenate County and District. Must be a valid county/district combination in *The Wave* ● Must contain the county ID, the district ID. Example – Adair county/Bell school district = 01C033

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
NCESId		M	M	The NCES-assigned identifier for this LEA.	
LEAName		M	M	Name of LEA.	
LEAURL		M	M	URL for the LEA.	Required if the LEA has a public District Web site.
EducationAgencyType		M	M	The classification of the education agency within the geographic boundaries of a state according to the level of administrative and operational control.	
	EducationAgencyType/Code	M	M	Code indicating the operational/administrative level.	Valid codes
	EducationAgencyType/OtherCodeList	O	M		
LEAContactList		M	M		
	LEAContactList/LEAContact	MR	MR	Information on contact persons for this LEA.	
	LEAContactList/LEAContact/PublishInDirectory	O	M	Indicates whether or not this LEA contact's information should be published in a directory of LEA information.	Values: Yes No This data will be utilized in determining whether or not to include this information in printed or online directory information for the school district.
	LEAContactList/LEAContact/ContactInfo	M	M	Common element used to supply information for a contact person at a school, LEA, or other institution.	
	LEAContactList/LEAContact/ContactInfo/Name	M	M	The name of the contact person. Note that Name is redefined here to allow for LastName and FirstName to be omitted if they cannot be provided; when omitted, FullName must have a value.	The first and last names are required elements and will be the only element used in identifying the contact. The FullName element will not be used.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	LEAContactList/LEAContact/ContactInfo/Name/Type	M	M	Code that specifies what type of name this is. If unsure, use 04.	Valid Name Type = "04" *Refer to code table.*
	LEAContactList/LEAContact/ContactInfo/Name/Prefix	O	O	A prefix associated with the name like Mr., Ms., etc.	
	LEAContactList/LEAContact/ContactInfo/Name/LastName	O	M	The last name.	The contact's last name as it should appear in a directory.
	LEAContactList/LEAContact/ContactInfo/Name/FirstName	O	M	The first name.	The contact's first name as it should appear in a directory.
	LEAContactList/LEAContact/ContactInfo/Name/MiddleName	O	C	The middle name or initial.	Required if the middle name exists.
	LEAContactList/LEAContact/ContactInfo/Name/Suffix	O	O	Generation of suffix like II, Jr., etc.	
	LEAContactList/LEAContact/ContactInfo/Name/PreferredName	O	O	This is a name that the person prefers to be called by.	
	LEAContactList/LEAContact/ContactInfo/Name/SortName	O	O	This is the name to be used for sorting purposes.	
	LEAContactList/LEAContact/ContactInfo/Name/FullName	C	C	A free text field for the complete name. Mandatory if LastName and FirstName are omitted.	
	LEAContactList/LEAContact/ContactInfo/PositionTitle	O	M	The contact person's position title. **Examples** Superintendent	For directory purposes, this is a free text field allowing the user to identify the title of the contact. All contacts listed where the element PublishInDirectory above = Yes will be published with their title. Note: Certain LEA Contact PositionTitle's will be standardized. These are referenced in section 7.29. *Refer to code table.*
	LEAContactList/LEAContact/ContactInfo/Role	O	O	Role played by this contact in this instance. **Examples** Report Contact Primary Contact Alternate Contact	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	LEAContactList/LEAContact/ContactInfo/Address	O	O	Address of the contact.	
	LEAContactList/LEAContact/ContactInfo/EmailList	O	C	List of Email elements.	Required for the District Superintendent Only. Note: This will NOT be published in the directory.
	LEAContactList/LEAContact/ContactInfo/PhoneNumberList	O	**M**	List of PhoneNumber elements.	
	LEAContactList/LEAContact/ContactInfo/PhoneNumberList/PhoneNumber	MR	**MR**	This element represents a phone number and occurs within objects such as StudentPersonal, StaffPersonal, etc.	
	LEAContactList/LEAContact/ContactInfo/PhoneNumberList/PhoneNumber/Type	M	**M**	Code that specifies what type of phone number this is. Note: A subset of valid values may be specified in data objects.	The only PhoneNumber_ Type used by The Wave will be 0096 indicating this is the number the district has provided for directory information for contacting this particular user if the element PublishInDirectory above = Yes.
	LEAContactList/LEAContact/ContactInfo/PhoneNumberList/PhoneNumber/Number	M	**M**	Phone number. Free-form, but typical U.S. formats include: • (###) ###-#### ###-####	Required format for this object: (###) ###-####
	LEAContactList/LEAContact/ContactInfo/PhoneNumberList/PhoneNumber/Extension	O	O	Phone number extension.	
	LEAContactList/LEAContact/ContactInfo/PhoneNumberList/PhoneNumber/ListedStatus	O	O	Indicates whether or not the phone number is available to the public.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
PhoneNumberList		M	**M**	The LEA's phone number(s).	The only PhoneNumber_ Type used by The Wave will be 0096 indicating this is the Main Number. The required format for this object: (###) ###-#### Note: This should be the phone number published in the directory as the main phone number for the district.
AddressList		M	**M**	The LEA's address(es).	The Main Address for the LEA. At least one of the following codes is required; both are preferred if they exist. 0123 Mailing address 0765 Physical location address
IdentificationInfoList		M	M	Other identification information associated with an LEA, such as the locally-defined code/identifier, etc.	
GradeLevels		M	M	Collection of grade levels offered in this LEA.	*Refer to code table.*
OperationalStatus		M	M	Operational condition of an LEA.	
CongressionalDistrict		O	O	Number for the US congressional district where the LEA is located.	
SIF_Metadata		O	O		
SIF_ExtendedElements		O	O		

1.8 RoomInfo Object

(SIF specification 2.0r1 - 6.14.6)

This object contains all of the information about a school's room. This object may contain a reference to a room type so that it may represent anything from a gym, cafeteria, to a standard classroom. The StaffList element usually contains the homeroom teacher.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
RoomInfo				This object contains all of the information about a school's room. This object may contain a reference to a room type so that it may represent anything from a gym, cafeteria, to a standard classroom. The StaffList element usually contains the homeroom teacher.	
RefId		M	**M**	GUID that identifies this room	**Object that Reference RoomInfo RefID:** SectionInfo
SchoolInfoRefId		M	**M**	GUID that identifies the school that this room belongs to.	This links the RoomInfo to the SchoolInfo object.
RoomNumber		M	**M**	Room number as presented to the user/application.	
StaffList		O	O		
	StaffList/StaffPersonalRefId	MR	**MR**	GUID that identifies the staff personal assigned to this room (e.g. the homeroom teacher).	This links the RoomInfo to the StaffPersonal object.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
Description		O	O	Friendly name that can be assigned to the room (e.g. Staff Cafeteria)	
Building		O	O	Extra building information. In the future Building could become its own object in which case this element will need to be changed to RefId. Currently it is only required as a free text field	
HomeroomNumber		O	O	When a room is designated as a homeroom it may have a different number. Usually blank when room is not a homeroom	
Size		O	O	Size in square feet.	
Capacity		O	O	Number of persons (usually students) that this room can hold.	
PhoneNumber		O	O	Phone number for the room	
RoomTypeRefId		O	O	GUID that identifies the room type assigned to this room.	
SIF_Metadata		O	O		
SIF_ExtendedElements		O	O		

1.9 SchoolCourseInfo Object

(SIF specification 2.0r1 - 6.14.8)

This object is for course information.

Common Issues

- StateCourseCode – This is commonly not filled in by the district or filled in incorrectly.

Object Validation:

Error Number 900710025 – SchoolYear is invalid.
Error Number 900710027 – CoreAcademicCourse was not provided.
Error Number 900710028 – CourseTitle was not provided.
Error Number 900710029 – StateCourseCode is invalid.
Error Number 900710030 – StateCourseCode was not provided.
Error Number 900810030 – InstructionalLevel Code was not provided.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SchoolCourseInfo				This object is for course information.	
	RefId	M	**M**	The ID (GUID) that uniquely identifies the school course.	**Object that Reference SchoolCourseInfo RefID:** SectionInfo
SchoolInfoRefId			**M**	The ID (GUID) that identifies the school where the course is offered.	This links the SchoolCourseInfo to the SchoolInfo object.
SchoolYear		M	**M**	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2018 for the 2017-18 school year).	
CourseCode		M	**M**	School-defined local code for the course.	
StateCourseCode		O	**M**	State-defined standard course code used to report information about courses.	State-defined course codes are available by going to the Accreditation section of the OSDE's

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					Web site and selecting a grade category under subject codes: College level courses must be associated with a valid high school subject code from the accreditation state course codes. The code used must correspond with the content of the course. For example, if a student is taking psychology at a local college or university, the state course code for psychology should be utilized with an instructional level of 0576 (college level). If there is no equivalent high school code, use the closest available elective course code that is unique to the student's course history.
DistrictCourseCode		O	O	The corresponding district course code.	
SubjectAreaList		O	O	Subject matter areas.	
CourseTitle		M	**M**	Title of the course.	
Description		O	O	Textual description of the course.	
InstructionalLevel		O	**M**	An indication of the general nature and difficulty of instruction provided.	*Refer to SIF code set document 1.30.*
CourseCredits		O	**M**	The number of credits awarded upon course completion.	
CoreAcademicCourse		O	**M**	Does the course meet the state definition of a core academic course?	Values: Yes No
GraduationRequirement		O	O	Does the state require that the course be completed for graduation?	
Department		O	O	Department with jurisdiction over this course.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SCEDCode		O	O	Course code from the School Codes for the Exchange of Data that describes the course content.	
SIF_Metadata		O	O		
SIF_ExtendedElements		O	O		

1.10 SchoolInfo Object

(SIF specification 2.0r1 - 6.14.9)
This object is used to generate the required GUID for the school.

Common Issues

- StateProvinceId – This must be the county/district/site code of a valid accredited district/site. Districts commonly track students in separate site databases for flexibility in tracking and data security. An example of this would be a district that has only two accredited sites (105, 705), but for tracking purposes, they have a "middle school" (site 505) where they track their 7th and 8th graders. This fictional site with real students must be reported to us with the correct accredited StateProvinceId of county/district/105. Ideally this will be done with a single SchoolInfo object for both the students in site 105 and the students in site 505, but if necessary, two SchoolInfo objects can be provided, both having the same StateProvinceId. RefId associations with StudentSchoolEnrollment and StudentPersonal would of course be in place to properly identify the SchoolInfo object.
- NCESId -- This is commonly not filled in by the district or filled in incorrectly. This information can be found by going to the following link and searching for the district/school: <http://nces.ed.gov/globallocator/>
- GradeLevels – Only the GradeLevel Codes identified in the SIF 2.0r1 Specification are accepted. Some SIS applications allow districts to create custom grade levels. SIS SIF Agents must ensure these custom grade levels are mapped to an appropriate SIF Code or the object will fail SIF XSD Validation.

Object Validation:

Error Number 900810031 – GradeLevels is invalid.
Error Number 900810032 – GradeLevel_Code field was not provided.
Error Number 900810033 – GradeLevel_Codes were not provided.
Error Number 900810035 – LEAInfoRefId field was not provided.
Error Number 900810036 – OperationalStatus field is invalid.
Error Number 900810038 – SchoolName field was not provided.
Error Number 900810039 – StateProvinceId field is invalid.
Error Number 900810040 – StateProvinceId field was not provided.
Error Number 900910014 – Title1Status field was not provided.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SchoolInfo					
	RefId	M	**M**	The ID (GUID) that uniquely identifies this school.	**Object that Reference SchoolInfo RefID:** AttendanceCodeInfo CalendarDate CalendarSummary RoomInfo SchoolCourseInfo StaffAssignment StudentAttendanceSummary StudentDailyAttendance StudentPeriodAttendance StudentSchoolEnrollment StudentSectionMarks TermInfo
LocalId		M	M	The locally-assigned identifier for this school.	
StateProvinceId		M	**M**	The state-assigned identifier for this school.	● Concatenate County, District, and Site. Must be a valid county/district/site combination in *The Wave* ● Must contain the county id, the district id, and the school site id. Example – Adair county/Bell Elementary School = 01C033105
NCESId		M	**M**	The NCES-assigned identifier for this school.	
SchoolName		M	**M**	Name of school.	
LEAInfoRefId		M	**M**	The ID (GUID) that references the school district of which this school is a member.	This links the SchoolInfo to the LEAInfo object.
OtherLea		O	O		
	SIF_RefObject	O	**M**		
SchoolType		M	M	An indication of the level of the educational institution.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SchoolFocusList		M	M		
	SchoolFocusList/SchoolFocus	MR	**MR**		
SchoolURL		M	M	URL for the school.	Required if the individual school has a public Web site.
PrincipalInfo		M	M		
	PrincipalInfo/ContactName	M	**M**		
	PrincipalInfo/ContactTitle	M	M		
SchoolContactList		O	**M**	A list of contact persons associated with a school.	
	SchoolContactList /SchoolContact	MR	**MR**	Information on contact persons for this school.	
	SchoolContactList / SchoolContact /PublishInDirectory	O	**M**	Indicates whether or not this school contact's information should be published in a directory of school information.	Values: Yes No This data will be utilized in determining whether or not to include this information in printed or online directory information for the school site.
	SchoolContactList / SchoolContact /ContactInfo	M	**M**	Common element used to supply information for a contact person at a school, LEA, or other institution.	
	SchoolContactList / SchoolContact /ContactInfo/Name	M	**M**	The name of the contact person. Note that Name is redefined here to allow for LastName and FirstName to be omitted if they cannot be provided; when omitted, FullName must have a value.	The first and last names are required elements and will be the only element used in identifying the contact. The FullName element will not be used.
	SchoolContactList / SchoolContact /ContactInfo/Name/Type	M	**M**	Code that specifies what type of name this is. If unsure, use 04.	Valid Name Type = "04" *Refer to code table.*
	SchoolContactList / SchoolContact /ContactInfo/Name/Prefix	O	O	A prefix associated with the name like Mr., Ms., etc.	
	SchoolContactList / SchoolContact /ContactInfo/Name/LastName	O	**M**	The last name.	The contact's last name as it should appear in a directory.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	SchoolContactList / SchoolContact /ContactInfo/Name/FirstName	O	M	The first name.	The contact's first name as it should appear in a directory.
	SchoolContactList / SchoolContact /ContactInfo/Name/MiddleName	O	C	The middle name or initial.	Required if the middle name exists.
	SchoolContactList / SchoolContact /ContactInfo/Name/Suffix	O	O	Generation of suffix like II, Jr., etc.	
	SchoolContactList / SchoolContact /ContactInfo/Name/PreferredName	O	O	This is a name that the person prefers to be called by.	
	SchoolContactList / SchoolContact /ContactInfo/Name/SortName	O	O	This is the name to be used for sorting purposes.	
	SchoolContactList / SchoolContact /ContactInfo/Name/FullName	C	C	A free text field for the complete name. Mandatory if LastName and FirstName are omitted.	
	SchoolContactList / SchoolContact /ContactInfo/PositionTitle	O	M	The contact person's position title. **Examples** Principal	For directory purposes, this is a free text field allowing the user to identify the title of the contact. All contacts listed where the element PublishInDirectory above = Yes will be published with their title. Note: Certain School Contact PositionTitle's will be standardized. These are referenced in section 7.29 *Refer to code table.*
	SchoolContactList / SchoolContact /ContactInfo/Role	O	O	Role played by this contact in this instance. **Examples** Report Contact Primary Contact Alternate Contact	
	SchoolContactList / SchoolContact /ContactInfo/Address	O	O	Address of the contact.	
	SchoolContactList / SchoolContact /ContactInfo/EmailList	O	C	List of Email elements.	Required for the School Principal Only. Note: This will NOT be published in the directory.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	SchoolContactList / SchoolContact /ContactInfo/PhoneNumberList	O	**M**	List of PhoneNumber elements.	
	SchoolContactList / SchoolContact /ContactInfo/PhoneNumberList/PhoneNumber	MR	**MR**	This element represents a phone number and occurs within objects such as StudentPersonal, StaffPersonal, etc.	
	SchoolContactList / SchoolContact /ContactInfo/PhoneNumberList/PhoneNumber/Type	M	**M**	Code that specifies what type of phone number this is. Note: A subset of valid values may be specified in data objects.	The only PhoneNumber_ Type used by The Wave will be 0096 indicating this is the number the district has provided for directory information for contacting this particular user if the element PublishInDirectory above = Yes.
	SchoolContactList / SchoolContact /ContactInfo/PhoneNumberList/PhoneNumber/Number	M	**M**	Phone number. Free-form, but typical U.S. formats include: • (###) ###-#### • ###-####	Required format for this object: (###) ###-####
	SchoolContactList / SchoolContact /ContactInfo/PhoneNumberList/PhoneNumber/Extension	O	O	Phone number extension.	
	SchoolContactList / SchoolContact /ContactInfo/PhoneNumberList/PhoneNumber/ListedStatus	O	O	Indicates whether or not the phone number is available to the public.	
AddressList		M	**M**		This should be the school's primary physical and/or mailing address
PhoneNumberList		M	**M**		This should be the school's main phone number.
IdentificationInfoList		O	O		
SessionType		M	M	Code that specifies the session type.	
GradeLevels		M	**M**	Collection of grade levels offered in this school.	*Refer to code table.*

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
TitleIStatus		M	M	Status of the school's Title I eligibility. Certain schools are designated under appropriate state and federal regulations as being eligible for participation in programs authorized by Title I of Public Law 103-382.	**Values**: ● Targeted-Certain students enrolled in the school are eligible for Title I programs ● SchoolWide-All students in the school are eligible for Title I programs ● NA-Not applicable, school is not eligible for Title I programs
OperationalStatus		M	M		
CongressionalDistrict		O	O		
SIF_Metadata		O	O		
SIF_ExtendedElements		O	O		

1.11 SectionInfo Object

(SIF Specification 2.0r1 - 6.14.10)

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

Object Validation:

Error Number 900910041 – SchoolYear is invalid.
Error Number 900910042 – LocationOfInstruction_Code was not provided.
Error Number 900910043 – MediumOfInstruction_Code was not provided.
Error Number 900910044 – ScheduleInfo was not provided.
Error Number 900910045 – StaffPersonalRefId was not provided.
Error Number 900910046 – StateCourseCodeOverride is invalid.
Error Number 900910047 – SummerSchool was not provided.
Error Number 901010014 – TermInfoRefId was not provided.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SectionInfo				This object provides information about the section - the specific time period a session of the course meets.	
RefId		M	M	The ID (GUID) that uniquely identifies this section entity.	**Object that Reference SectionInfo RefID:** StudentPeriodAttendance StudentSectionEnrollment StudentSectionMarks
SchoolCourseInfoRefId		M	M	The ID (GUID) that identifies the course being taught in this section.	This links the SectionInfo to the SchoolCourseInfo object.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SchoolYear		M	M	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2018 for the 2017-18 school year).	
LocalId		M	M	The locally-assigned identifier for this course section.	
Description		O	O	Description of the course section.	
ScheduleInfoList		M	M		
	ScheduleInfoList/ScheduleInfo	MR	MR	The schedule-related information for a section repeating for each term in which the section is scheduled.	
	TermInfoRefId	M	M	The ID (GUID) of the term to which this schedule information relates.	This links the SectionInfo to the TermInfo object.
	ScheduleInfoList/ScheduleInfo/TeacherList	O	M		
	ScheduleInfoList/ScheduleInfo/TeacherList/StaffPersonalRefId	MR	MR	The ID (GUID) of the teacher.	This links the SectionInfo to the StaffPersonal object.
	ScheduleInfoList/ScheduleInfo/SectionRoomList	O	O		
	ScheduleInfoList/ScheduleInfo/SectionRoomList/RoomInfoRefId	MR	MR	The ID (GUID) of the room in which this section is taught.	This links the SectionInfo to the RoomInfo object.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	ScheduleInfoList/ScheduleInfo/MeetingTimeList	O	O		
	ScheduleInfoList/ScheduleInfo/MeetingTimeList/MeetingTime	MR	**MR**	Time(s) this section meets.	
	ScheduleInfoList/ScheduleInfo/MeetingTimeList/MeetingTime/TimetableDay	O	C	Locally defined rotation cycle day code when the section meets (e.g., in a two day schedule, valid values would be "A" and "B," or "1" and "2").	Required if the section is set up to contain a rotation cycle day.
	ScheduleInfoList/ScheduleInfo/MeetingTimeList/MeetingTime/TimetablePeriod	O	C	The period within the day when this section takes place (e.g., "0" through "7").	Required if the school utilizes a period structure for sections.
MediumOfInstruction		O	**M**	Medium through which the student receives instructional communication from the teacher.	
	MediumOfInstruction/Code	M	**M**	Code representing the medium of instruction.	*Refer to SIF Code Set 1.19 for code definitions.*
	MediumOfInstruction/OtherCodeList	O	O		
LanguageOfInstruction		O	O	Language in which the section is taught.	
	LanguageOfInstruction/Code	M	**M**	Code representing the language of instruction.	
	LanguageOfInstruction/OtherCodeList	O	O		

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
LocationOfInstruction		O	M	Description of the location in which the section is taught.	
	LocationOfInstruction/Code	M	M	Code representing the location of instruction.	0340 In School 0341 Other K-12 Educational institution 0342 Postsecondary Facility 0752 Community Facility 0754 Hospital 0997 Business 2192 Home 3018 Library/Media Center 3506 Mobile 9999 Other
0340	LocationOfInstruction/OtherCodeList	O	O		
SummerSchool		O	O	Is this a summer school assignment?	
SchoolCourseInfoOverride		O	O	Optional overrides of the course information for this section.	
	Override	M	M	Designates whether or not SchoolCourseInfo information has been overridden with different values for this section.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	SchoolCourseInfoOverride/CourseCode	O	O	Override of the school-defined course code for this section.	
	SchoolCourseInfoOverride/StateCourseCode	O	O	Override of the state-defined course code for this section.	
	SchoolCourseInfoOverride/DistrictCourseCode	O	O	Override of the district course code for this section.	
	SchoolCourseInfoOverride/SubjectArea	O	O	Override of the subject matter area for this section.	
	SchoolCourseInfoOverride/CourseTitle	O	O	Override of the course title for this section.	
	SchoolCourseInfoOverride/InstructionalLevel	O	O	Override of the instructional level for this section.	
	SchoolCourseInfoOverride/CourseCredits	O	O	Override of the course credits for this section.	
SIF_Metadata		O	O		
SIF_ExtendedElements		O	O		

1.12 StaffAssignment Object

(SIF Specification 2.0r1 - 6.14.11)

This object defines information related to a staff member's assignment(s); commonly, this will be a school assignment.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
StaffAssignment				This object defines information related to a staff member's assignment(s); commonly, this will be a school assignment.	More than one StaffAssignment is expected when a staff member, such as a teacher is assigned or has duties/responsibilities at more than one School Site.
RefId		M	**M**	The GUID that uniquely identifies a particular staff assignment.	
SchoolInfoRefId		M	**M**	The ID (GUID) that identifies the school where the staff member is assigned.	This links the StaffAssignment to the SchoolInfo object. Vendors are free presently to take whatever approach best suits the needs of their districts or application with regard to "district only" staff. The use of this object for *The Wave* is primarily for identifying the StaffAssignment of teachers. *The Wave* recognizes that not all staff is teachers, but the inclusion of the SchoolInfoRefId mandates that each StaffPersonal be assigned to a particular or multiple Schools.
SchoolYear		M	**M**	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2018 for the 2017-18 school year).	
StaffPersonalRefId		M	**M**	ID (GUID) of this staff member, as represented in the StaffPersonal object.	
Description		O	O	Short assignment description	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
PrimaryAssignment		M	M	Is this the staff member's primary assignment? Note: There must be one and only one instance of the object with a Yes value in this element per school year.	Regarding business logic on this element, *The Wave* recognizes there may be a short period of time while the end user is modifying the PrimaryAssignment *The Wave* will receive two PrimaryAssignments with a "Yes" value or potentially zero PrimaryAssignments with a "Yes" value. During that time period, a warning will be displayed for the end user to correct this as soon as possible. If the end user completes their task in a timely manner ensuring in the SIS that only one PrimaryAssignment contains a "Yes" value, and the SIS/SIF Agent sends SIF_Events regarding the changes in a timely manner, the warning should clear from our Web site quickly.
JobStartDate		O	M	This is the date from which the staff assignment is valid (inclusive).	This is the start date for this particular staff member for the current fiscal year. As such, the date must fall within the current fiscal year. For contracted Staff, this will be the beginning of the contract date.
JobEndDate		O	M	This is the date through which the staff assignment is valid (inclusive).	This is the end date for this particular staff member for the current fiscal year. This date will change if the staff member resigns, is terminated, is re-assigned to a different site, or is no longer assigned to this particular site. We do not expect a delete event for former staff.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
JobFTE		O	O	Full-time job equivalent ratio for this assignment. (Format is x.xx; an employee who is full-time and who is 50% of their time on this assignment would be represented as 0.50)	
JobFunction		O	**M**	The purpose of the activities as related to students	
	JobFunction/Code	M	**M**	Code representing the type of job function.	
	JobFunction/OtherCodeList	O	O		
TeachingAssignment		O	C	The teacher field taught by the individual	Required if the JobFunction/Code = 1000, 2150 or 2220
	TeachingAssignment/Code	M	**M**	Code representing the type of teaching assignment.	
	TeachingAssignment/OtherCodeList	O	**M**	Other Code Example: <OtherCodeList> <OtherCode Codeset=" StateProvince">02</OtherCode> <\OtherCodeList>	Program Codes *Refer to code table* The OtherCode Codeset attribute must be "StateProvince"
GradeLevels		O	C	An indication of the grade level(s) the individual is assigned	Required if the JobFuction/Code = 1000
ItinerantTeacher		O	**M**	Is this staff itinerant for this assignment?	Values: "Yes"," No" or " NA" Any teacher who teaches in more than one site and/or district would be coded as "Yes" All other certified staff would be coded as "No" Non-certified staff would be coded as "NA"

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
InstructionalLevel		O	O	An indication of the general nature of instruction provided throughout a course.	
EmployeePersonalRefId		O	O	A GUID referencing an EmployeePersonal object to be able to establish a link between HR employee objects and SIS staff objects.	
SIF_Metadata		O	O		
SIF_ExtendedElements		O	O		

1.13 StaffPersonal Object

(SIF Specification 2.0r1 - 6.14.1)

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.

Common Issues

- StateProvinceID – This is commonly not filled in by the district or filled in incorrectly.

Object Validation:

Error Number 900110003 – FirstName is invalid.
Error Number 901010048 – LocalId was not provided.
Error Number 901010049 – First Name invalid for this certificate.
Error Number 901010050 – FirstName was not provided.
Error Number 901010051 – LastName is invalid.
Error Number 901010052 – Teacher Certificate Number is invalid.
Error Number 901010053 – Teacher Certificate Number was not provided.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
StaffPersonal				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.	
RefId		M	M	The ID (GUID) that uniquely identifies this section entity.	**Object that Reference StaffPersonal RefID:** RoomInfo SectionInfo StaffAssignment
LocalId		M	M	The locally-assigned identifier for this staff member.	
StateProvinceId		O	C	The state-assigned identifier for this staff member.	Required if the Staff Member has a teacher certification number assigned by the OSDE. 6-digit OSDE teacher certification number. Note: It was formerly

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					required that if a staff member was not a teacher (i.e. did not have a teacher certification number), a code of 999999 would be utilized to designate non-certified staff. This is no longer required. The StaffPersonal StateProvinceID will be validated utilizing the StaffAssignment to identify staff members who should have a certification number (i.e. teachers, principals, etc.)
ElectronicIdList		O	O	Electronic identifier(s) associated with this entity.	
OtherIdList		O	O	Lists all "other" identifiers associated with the staff member.	
	OtherIdList/OtherId	MR	**MR**	Lists an "other" identifier associated with the staff member.	
	OtherIdList/Type	M	**M**	Code that defines the type of this other ID.	
Name		M	**M**	Name of the staff member. Note: Type value of 04 must be used here.	
OtherNames		O	O	Previous, alternate or other names or aliases associated with the staff member.	
Demographics		O	C	This element contains information related to staff member demographics.	Required if the staff member is certified and is an employee of the school district. If the school district enters into a contract with a company who provides teachers as part of the contract and the teachers are the employees of the company, the demographic information is not required. The name and teaching certificate number will still be

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					required for those contracted individuals. The following demographic elements are mandatory for certified staff employed by the school district. StaffPersonal: Gender, RaceList, HispanicLatino, BirthDate, LanguageList/Language/Code
Title		O	O	The staff member's title.	
AddressList		O	O	The staff member's address(es).	
PhoneNumberList		O	O	The staff member's phone number(s).	
EmailList		O	O	The staff member's e-mail address(es).	
EmployeePersonalRefId		O	O	Allows for a linkage to the HR/Fin EmployeePersonal object.	
SIF_Metadata		O	O		
SIF_ExtendedElements		O	O		

1.14 StudentAttendanceSummary Object

(SIF specification 2.0r1 - 6.14.13)

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.

Note: An additional SIF_ExtendedElement has been added to include the StudentSchoolEnrollmentRefId. This addition reflects the architecture of the SIF 2.4 Specification without requiring vendors to move to that specification. As such, the SIF Descriptions listed below are from the 2.4 Specification. *The Wave* will expect to receive the StudentAttendanceSummary object as a 2.0r1 object.

This object will be collected primarily two times a year. The first will be upon completion of the first nine-week reporting period; the second will be upon completion of the school year. SIF_Query will be used to submit the request during these two time periods. *The Wave* Web site will be accessible to a district user to input the parameters for the query and request their own data as each district or site may require a different StartDate or EndDate to accurately report their First Quarter and Annual Statistical Report. The SIF_Query request will utilize either StartDate and EndDate or StartDay and EndDay and may also include a particular SchoolInfoRefId and/or StudentPersonalRefId. **Note: Even though the two main collection periods are the first nine weeks and the end of the school year, it is expected the agent will be able to respond accurately to a SIF_Query request with different parameters (StartDate, EndDate, StartDay, EndDay, SchoolInfoRefId, and StudentPersonalRefId) throughout the school year and the agent and system will be able to calculate and respond to the request without any need of user intervention at either the application or agent level.**

As an example, the SIF_Request will contain a value asking for a StartDay > or = 1 and an EndDay < or = 45. The expected SIF_Response will contain the membership and attendance for students who were enrolled anytime on or in between the 1st day of instruction and the 45th day of instruction, inclusive.

Example 1

Student A has a StudentSchoolEnrollment.EntryDate of August 14, 2017. August 14, 2017 is a Day of Membership.
Student A has a StudentSchoolEnrollment.ExitDate of August 18, 2017. The week of August 14-18 contained 5 Instructional Days.
Student A has a StudentSchoolEnrollment.EntryDate of August 22, 2017. August 22, 2017 is a Day of Membership
Student A has a StudentSchoolEnrollment.ExitDate of August 24, 2017. The week of August 21-25 contains 5 Instructional Days.
Student A was present on all days enrolled except for August 23, 2017.

A request is issued for StudentAttendanceSummary with StartDay > or = 1 and EndDay < or = 10. Two responses would be expected:

Response 1 would contain the following:

- StartDate = August 14, 2017
- EndDate = August 18, 2017
- StartDay = 1
- EndDay = 5
- DaysAttended = 5
- DaysInMembership = 5
- UnexcusedAbsences = 0
- ExcusedAbsences = 0
- StudentSchoolEnrollmentRefId = the StudentSchoolEnrollment.RefId from the StudentSchoolEnrollment where the student had an EntryDate of August 14, 2017 and an ExitDate of August 18, 2017.
- Other required elements in the object

Response 2 would contain the following:

- StartDate = August 22, 2017
- EndDate = August 24, 2017
- StartDay = 7
- EndDay = 9
- DaysAttended = 2
- DaysInMembership = 3
- UnexcusedAbsences = 0
- ExcusedAbsences = 1 (Assuming the absence was “Excused”)
- StudentSchoolEnrollmentRefId = the StudentSchoolEnrollment.RefId from the StudentSchoolEnrollment where the student had an EntryDate of August 22, 2017 and an ExitDate of August 24, 2017.
- Other required elements in the object

Example 2

Student B has a StudentSchoolEnrollment.EntryDate of August 14, 2017. August 14, 2017 is a Day of Membership.
Student B does NOT have an ExitDate as the student is still currently enrolled.
The weeks of August 14-18 and August 21-25 contain 5 Instructional Days each.
The week of August 28-September 1 contains 4 Instructional Days. August 28, 2017 is a holiday.
The week of September 4-8 contains 4 Instructional Days. September 4, 2017 is a holiday.
Student B was present on all days enrolled except for August 30, 2011.

A request is issued for StudentAttendanceSummary with StartDay > or = 1 and EndDay < or = 15. One response would be expected:

Response 1 would contain the following:

- StartDate = August 14, 2017
- EndDate = September 5, 2017
- StartDay = 1
- EndDay = 15
- DaysAttended = 14
- DaysInMembership = 15
- UnexcusedAbsences = 0
- ExcusedAbsences = 1 (Assuming the absence was "Excused")
- StudentSchoolEnrollmentRefId = the StudentSchoolEnrollment.RefId from the StudentSchoolEnrollment where the student had an EntryDate of August 14, 2017 and no exit date.
- Other required elements in the object

Object Validation:
Error Number 901310003 – EndDate is out of range.
Error Number 901310017 – SchoolYear is invalid.
Error Number 901310018 – SchoolYear was not provided.
Error Number 901310020 – StartDate is out of range.
Error Number 901310054 – CalendarSummaryRefId was not provided.

Error Number 901310055 – DaysAttended was not provided.
Error Number 901310056 – DaysInMembership was not provided.
Error Number 901310057 – DaysTransportedEligibleStateAid was not provided.
Error Number 901310058 – EndDay was not provided
Error Number 901310059 – ExcusedAbsences was not provided.
Error Number 901310060 – FTE is invalid.
Error Number 901310061 – Resident was not provided.
Error Number 901310062 – StartDay was not provided.
Error Number 901310063 – StudentSchoolEnrollmentRefId was not provided.
Error Number 901310064 – UnexcusedAbsences was not provided.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
StudentAttendance Summary				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.	This object will be collected daily during reporting windows and two additional times a year. The first will be upon completion of the first nine-week reporting period; the second will be upon completion of the school year. SIF_Query will be used to submit the request during these two time periods. *The Wave* Web site will be accessible to a district user to input the parameters for the query and request their own data.
StudentPersonalRefId		M	**M**	The ID (GUID) of the student for whom this attendance information is being reported.	This links the StudentAttendanceSummary to the StudentPersonal object.
SchoolInfoRefId		M	**M**	The ID (GUID) of the school for which this attendance information is being reported.	This links the StudentAttendanceSummary to the SchoolInfo object.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SchoolYear		M	M	School year for which the information is applicable.	
StartDate		M	M	The starting date on which the information in this object instance is applicable.	
StartDay		M	M	Number of the first school day to which this object instance applies.	The number of the school day will reflect actual instructional days and exclude professional days and holidays
EndDate		M	M	The ending date on which the information in this object instance is applicable.	
EndDay		M	M	Number of the last school day to which this object instance applies.	The number of the school day will reflect actual instructional days and exclude professional days and holidays
Resident		M	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. Values: Yes, No, Unknown Note: No SIF_Query SIF_Condition support is required for this element.	
FTE		O	O	Deprecated in favor of using the StudentSchoolEnrollment link	
DaysAttended		M	M	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.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
ExcusedAbsences		M	**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.	
UnexcusedAbsences		M	**M**	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.	
DaysTardy		O	O	The number of days the student was tardy when school was in session between the StartDate and EndDate, inclusive.	
DaysInMembership		M	**M**	The number of days the student was present plus the number of days the student was absent when school was in session during the period between the StartDate and EndDate, inclusive. Note: No SIF_Query SIF_Condition support is required for this element.	
SIF_Metadata		O	O		
SIF_ExtendedElements	SIF_ExtendedElements/SIF_ExtendedElementName="DaysTransportedEligibleStateAid"	O	**M**		Total should be for the reporting period between the StartDate and EndDate inclusive.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	SIF_ExtendedElements/SIF_ExtendedElementName= "CalendarSummaryRefId"	O	**M**		CalendarSummaryRefId The RefId for the CalendarSummary object associated with this enrollment. The format for the RefId should contain no spaces or hyphens. Example: F4AABF042EAD4781A9AA20BF64C4EDAC
	SIF_ExtendedElements/SIF_ExtendedElementName= "StudentSchoolEnrollmentRefId"	O	**M**		StudentSchoolEnrollmentRefId The RefId for the StudentSchoolEnrollment associated with this StudentAttendanceSummary *The Wave* will expect to see multiple StudentAttendanceSummary objects for a single student if multiple StudentSchoolEnrollment objects exist for that student during the time period requested. The format for the RefId should contain no spaces or hyphens. Example: F4AABF042EAD4781A9AA20BF64C4EDAC

1.15 StudentContact Object
(SIF specification 2.0r1 - 6.14.14)

This object is used to create the student contact information. It is also used to update the student contact information during data collection.

Common Issues

- Relationship – The Relationship code is required to be a four-digit numeric value as identified in the SIF 2.0r1 StudentContact Relationship table. The local code is commonly sent and will cause the object to fail SIF XSD validation. Ensuring that all codes are properly mapped or providing a drop down list of available codes in the SIS can help to correct this issue.

Object Validation:
Error Number 901410065 – Student Contact FirstName is invalid.
Error Number 901410066 – Student Contact LastName is invalid.
Error Number 901410067 – Student Contact LastName was not provided.
Error Number 901410068 – Student Contact MiddleName is invalid.
Error Number 901410069 – Name_Type was not provided.
Error Number 901410070 – Relationship_Code was not provided.
Error Number 901410071 – Suffix is invalid.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
StudentContact					
	RefId	M	M	The ID (GUID) of this contact.	
StudentPersonalRefId		M	M	The ID (GUID) of the student to whom this information is linked.	This links the StudentContact to the StudentPersonal object.
LocalId		O	O	The locally-assigned identifier for this contact. Note: LocalId may be used as a unique person identifier rather than a unique contact identifier. In this case there may be more than one StudentContact instance with the same LocalId.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
OtherIdList		O	O		
	OtherIdList/OtherId	MR	**MR**		
	Type	M	**M**		
Name		M	**M**	The name of the contact. Note: Type attribute value of 04 must be used here.	
OtherNames		O	O		
Demographics		O	O		
AddressList		O	C		Required if a Contact Address has been provided.
PhoneNumberList		O	C		Required if a Contact Phone Number has been provided.
EmailList		O	O		
Relationship		O	**M**	Defines the relationship of the contact to the student.	*Refer to SIF code set document 1.9*
EmployerType		O	O		
EducationalLevel		O	O		
ContactFlags		M	**M**	Contains Yes/No characteristics of the contact person's role. Provide a Yes value for all that apply. At least one of the child elements of ContactFlags must have a Yes value.	
	ContactFlags/ParentLegalGuardian	C	C		
	ContactFlags/PickupRights	C	C		
	ContactFlags/LivesWith	C	C		
	ContactFlags/AccessToRecords	C	C		
	ContactFlags/EmergencyContact	C	C		
	ContactFlags/HasCustody	C	C		
	ContactFlags/DisciplinaryContact	C	C		
	ContactFlags/PrimaryCareProvider	C	C		

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
ContactSequence		O	O		
SIF_Metadata		O	O		
SIF_ExtendedElements		O	O		

1.16 StudentDailyAttendance Object
(SIF specification 2.0r1 - 6.14.15)

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

Multiple instances of this object can be sent for each student daily. As this is a large number of objects, vendors can elect to send only the instances where the AttendanceCodeInfoRefId represents an AttendanceType other than "Present." In these instances, the SIF_Event reporting will only reflect when a student is absent, tardy, etc. They will be assumed *Present* otherwise. Note: If the SIF_ExtendedElement (InSchoolSuspension) associated with this object indicates a "Yes", the object MUST be sent regardless of what the AttendanceCodeInfoRefId represents. This will help to control the volume of SIF_Events locally for a district server. If desired, all SIF_Events, including "Present" can be sent as well.

It is expected that this data can be retrieved via a SIF_Request from the state at any time and that the SIF_Response will be able to include all StudentDailyAttendance records for all students regardless of the AttendanceTypeCode referenced by the AttendanceCodeInfoRefId for the current school year at minimum. The Wave may make a request similar to this on a weekend day when district servers will not be as likely to have the workload a normal week would place on them.

Object Validation:
Error Number 901510001 – The StudentDailyAttendance provided does not have an associated School.
Error Number 901510002 – StudentDailyAttendance Date is invalid.
Error Number 901510003 – The StudentDailyAttendance does not have an associated Attendance Code Info object.
Error Number 901510010 – SIF_ExtendedElement InSchoolSuspension was not provided.
Error Number 901510011 – SIF_ExtendedElement InSchoolSuspension is invalid.
Error Number 901510012 – SIF_ExtendedElement TransportedEligibleStateAid was not provided.
Error Number 901510013 – SIF_ExtendedElement TransportedEligibleStateAid is invalid.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
StudentDaily Attendance				This object provides daily attendance information for a particular student in a particular school on a particular date.	
StudentPersonalRefId		M	**M**	The Id (GUID) of the student for whom this attendance information is being reported.	This links the StudentDailyAttendance to the StudentPersonal object.
SchoolInfoRefId		M	**M**	The Id (GUID) of the school for which this attendance information is being reported.	This links the StudentDailyAttendance to the SchoolInfo object.
Date		M	**M**	The calendar date to which this attendance information relates.	
SchoolYear		M	**M**	School year for which this enrollment is applicable, expressed as the four-digit year in which the school year ends (e.g. 2018 for the 2017-18 school year.)	
AttendanceCodeInfoRefId		M	**M**	The Id (GUID) of the locally-defined daily attendance code information.	This links the StudentDailyAttendance to the AttendanceCodeInfo object.
TimeIn		O	O	The time the student entered or returned to school.	
TimeOut		O	O	The time the student left school.	
AttendanceNote		O	O	Note related to this particular attendance.	
SIF_Metadata		O	O		

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SIF_ExtendedElements	SIF_ExtendedElements/SIF_ExtendedElementName="InSchoolSuspension"	O	**M**		Values: "Yes"," No" Does this instance of attendance represent an in school suspension for this student regardless of present, absent, tardy or any other AttendanceType?
	SIF_ExtendedElements/SIF_ExtendedElementName= "TransportedEligibleStateAid"	O	**M**		Values: "Yes", "No' Does this instance of attendance represent a day in which the student was transported eligible for state aid? A student with an appropriate basis of admission code from table 1.3 should be marked eligible for transportation if the student lives **1.5 miles or more** from the school. Eligibility is based on the student's address as per §**70-18-200.1.** Yes = The student was transported eligible for state aid on this day No = The student was NOT transported eligible for state aid on this day.

1.17 StudentPeriodAttendance Object

(SIF specification 2.0r1)

This object provides attendance for a student in the context of the section they are enrolled in.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
StudentPeriodAttendance				This object provides period attendance information for a particular student in a particular section on a particular date.	
	RefId	M	**M**	The GUID of the student that this attendance applies to.	
	StudentPersonalRefId	M	**M**	The Id (GUID) of the student for whom this attendance information is being reported.	This links the StudentPeriodAttendance to the StudentPersonal object.
	SectionInfoRefId	M	**M**	The Id (GUID) of the section that this attendance information is being reported.	This links the StudentPeriodAttendance to the SectionInfo object.
	SchoolInfoRefId	M	**M**	The Id (GUID) of the school for which this attendance information is being reported.	This links the StudentPeriodAttendance to the SchoolInfo object.
	Date	M	**M**	The calendar date to which this attendance information relates.	
TimeTablePeriod		C	C	The period within which attendance is being reported. Conditional on the SectionInfo object having MeetingTime elements.	If one or more meeting times are defined for the section, this element is required.
TimeIn		O	O	The time the student entered or returned to this class.	
TimeOut		O	O	The time the student left this class	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
AttendanceCode		M	O	The local attendance code	
	AttendanceCodeInfoRefId	M	O		This links the StudentPeriodAttendance to the AttendanceCodeInfo object.
AuditInfo		M	O	An audit trail to help determine who entered this attendance event and when.	
AuditInfo/CreationUser		M	O	Information about which staff member created this attendance record.	
	Type	M	O	The role of the staff member for that created this attendance record	
AuditInfo/CreationUser/UserId		M	O	Unique identifier of the user that created the attendance record. This will depend on the user and the source. The preferred identifier would be a RefId for a StaffPersonal, StudentContact, or StudentPersonal object. However, the user may not be associated with any of these SIF objects. In that case a unique ID given by the source should be used.	
AuditInfo/CreationDateTime		M	O	The date and time of this attendance record was created.	
AttendanceComment		O	O	This element contains the comments that are relevant to this attendance record.	
SIF_Metadata		O	O		

1.18 StudentPersonal Object
(SIF specification 2.0r1 - 6.14.16)

This object is used to assign a Student Testing Number (STN). It is also used to update the existing student information in *The Wave* during data collection.

Common Issues

- ProjectedGraduationYear and OnTimeGraduationYear – These two elements are required to be four numerical digits to represent a year (i.e. CCYY). *The Wave* commonly receives five numerical digits in these fields causing the object to fail SIF XSD validation. A possible solution is to validate the source of this data in the SIS with a drop down box or text entry validation to ensure the correct four numerical digits are sent.
- SIF_ExtendedElements (Free Reduced) – We receive many different codes for this element. The only acceptable codes are "Free", "Reduced", "None", "Provision2", "Provision3", and "CommunityEligible".

Object Validation:

Error Number 901610024 – StateProvinceId is invalid.
Error Number 901610049 – FirstName is invalid.
Error Number 901610050 – FirstName was not provided.
Error Number 901610051 – LastName is invalid.
Error Number 901610067 – LastName was not provided.
Error Number 901610069 – NameType was not provided.
Error Number 901610071 – Suffix is invalid.
Error Number 901610072 – Address City was not provided.
Error Number 901610073 – Address Country was not provided.
Error Number 901610074 – Address Line1 was not provided.
Error Number 901610075 – Address PostalCode is invalid.
Error Number 901610076 – Address PostalCode was not provided.
Error Number 901610077 – Address record was not provided.
Error Number 901610078 – Address State is invalid.
Error Number 901610079 – Address State was not provided.
Error Number 901610080 – BirthDate was not provided.
Error Number 901610081 – Country of birth was not provided.

Error Number 901610082 – DOB is less than 1 day old.
Error Number 901610083 – DOB Not Less Than 26.
Error Number 901610085 – EconomicDisadvantage indicator is invalid.
Error Number 901610086 – EconomicDisadvantage indicator was not provided.
Error Number 901610087 – ELL indicator is invalid.
Error Number 901610088 – ELL indicator was not provided.
Error Number 901610089 – EnglishProficiency/OtherCode is invalid.
Error Number 901610090 – EnglishProficiency_Code is invalid.
Error Number 901610091 – EnglishProficiency_Code was not provided.
Error Number 901610092 – Gender is invalid.
Error Number 901610093 – Gender was not provided.
Error Number 901610094 – GiftedTalented indicator is invalid.
Error Number 901610095 – GiftedTalented indicator was not provided.
Error Number 901610096 – GraduationDate is invalid.
Error Number 901610097 – GraduationDate was not provided.
Error Number 901610098 – HispanicLatino was not provided.
Error Number 901610099 – Homeless indicator is invalid.
Error Number 901610100 – Homeless indicator was not provided.
Error Number 901610104 – Immigrant indicator is invalid.
Error Number 901610105 – Immigrant indicator was not provided.
Error Number 901610106 – Language_Code record was not provided.
Error Number 901610107 – Language_NAI_OtherCode record was not provided.
Error Number 901610108 – MiddleName is invalid.
Error Number 901610110 – Migrant indicator was not provided.
Error Number 901610111 – NeglectedDelinquent indicator is invalid.
Error Number 901610112 – NeglectedDelinquent indicator was not provided.
Error Number 901610113 – OnTimeGraduationYear is invalid.
Error Number 901610114 – OnTimeGraduationYear was not provided.
Error Number 901610115 – ProjectedGraduationYear is invalid.
Error Number 901610116 – ProjectedGraduationYear was not provided.
Error Number 901610117 – Race_Code record was not provided.
Error Number 901610133 – State of birth is invalid.

Error Number 901610134 – State of birth was not provided.
Error Number 901610135 – StateProvinceId does not match AssignedSTN.
Error Number 901610136 – StudentPersonal Language_NAI_OtherCode OtherCode is invalid.
Error Number 901610137 – Title1 indicator is invalid.
Error Number 901610138 – Title1 indicator was not provided.
Error Number 901610139 – VocationalConcentrator indicator is invalid.
Error Number 901610140 – VocationalConcentrator indicator was not provided.
Error Number 901610141 – Year of birth is invalid.
Error Number 901610160 – Migrant indicator is invalid for this district.
Error Number 901610161 – Student not found in migrant database.
Error Number 901610162 – Student's migrant eligibility has expired.
Error Number 901610163 – The EconomicDisadvantage and LunchEligibilityDetermination indicators do not align.
Error Number 901610164 – The EconomicDisadvantage indicator and Direct Certification report do not align.
Error Number 901610165 – The EconomicDisadvantage and FreeReduced indicators do not align.
Error Number 901610166 – StudentPersonal Language MIS OtherCode is invalid.
Error Number 901610167 – Language_Code is invalid.
Error Number 901610168 – LanguageType was not provided.
Error Number 901610169 – StudentDailyAttendance has not been provided for this student.
Error Number 901610171 – SIF_ExtendedElement HomelessMcKinneyVento was not provided.
Error Number 901610172 – SIF_ExtendedElement HomelessMcKinneyVento is invalid.
Error Number 901610191 – EnglishProficiency/OtherCode was not provided.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
StudentPersonal					
	RefId	M	M	The ID (GUID) of the student to whom this information is linked.	**Object that Reference StudentPersonal RefID:** StudentAttendanceSummary StudentContact StudentDailyAttendance StudentPeriodAttendance StudentSchoolEnrollment

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					StudentSectionEnrollment StudentSecitonMarks
AlertMessages		O	O		
	AlertMessages/AlertMessage	MR	**MR**		
	Type	M	**M**		
MedicalAlertMessages		O	O		
	Severity	M	**M**		
LocalId		M	**M**	The locally-assigned identifier for this student.	
StateProvinceId		O	C	The state-assigned identifier for this student.	Required once present in application
ElectronicIdList		O	O		
OtherIdList		O	C		OSDE no longer collects SSN. Please discontinue sending all student Social Security Number.
	OtherIdList/OtherId	MR	**MR**		
	Type	M	**M**		
Name		M	**M**	Name of the student.	Valid Name Type = "04" *Refer to code table*
OtherNames		O	O	Previous, alternate or other names or aliases associated with the student.	Valid OSDE Name Type = "01" or "02" or "03" or "07" or "05" *Refer to code table*
Demographics		O	**M**	This element contains information related to student demographics.	*Refer to SIF Object Mapping*
AddressList		O	**M**	The student's address(es).	*Refer to SIF Object Mapping*
PhoneNumberList		O	O		
EmailList		O	O		

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
ProjectedGraduationYear		M	M	Currently projected graduation year.	The year submitted should reflect the projected graduation year for the student. Normally, this projected graduation year will not change from year to year if the student is on track to graduate on time. It is possible for this element to change if it becomes true the student will no longer graduate when previously expected. They may graduate earlier or later than previously determined. At the time it is determined the student's graduation year will be different, a SIF_Event Change would be expected when this year is modified in the SIS. Regarding the data entered, the projected graduation year should be the school year (fiscal year) the student graduates. Examples: 1. If the student will graduate in May, 2018, the projected graduation year should be 2018. 2. If the student will graduate in December, 2017, the projected graduation year should be 2018. If the student will complete graduation requirements in July 2017, but for reporting purposes the graduation will be reported for the 2015-2016 school year, the 3. projected graduation year should be 2016.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
OnTimeGraduationYear		C	C	First projected graduation year, usually determined when student is accepted into 9th grade.	Required if the StudentSchoolEnrollment/ SchoolYear= (The current fiscal year) and StudentSchoolEnrollment/ GradeLevel>=09 Note: As a rule for the end user, this element should not change except in the case of end user data entry error. Once determined when the student is in 9th grade, the OnTimeGraduationYear should remain the same as the student advances from 10th to 12th grade. If it is determined the student will not graduate during the year indicated in this field, it will still remain the same. Only the ProjectedGraduationYear will be modified to reflect the new graduation year.
GraduationDate		C	C	Date student officially graduated from secondary education.	Required upon graduation We should not receive a date until the actual graduation. OSDE does not expect future or projected dates populated in this field.
MostRecent		O	O		
	MostRecent/SchoolLocalId	O	O		

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	MostRecent/HomeroomLocalId	O	O		
	MostRecent/GradeLevel	O	O		
AcceptableUsePolicy		O	O		
IDEA		M	O	Is the student IDEA-eligible (special education)? (Mutually exclusive with Section 504 classification.)	Values: “Yes” or “No” ● "Unknown" not valid for Oklahoma **The student is IDEA-eligible and has an active IEP**. **This data will now be populated to The Wave from EdPlan.**
Migrant		M	**M**	Is this a migrant student?	Values: “Yes” or “No” ● "Unknown" not valid for Oklahoma Definition: For a student to be considered a Migrant student, they must meet the following definition **AND** have an approved **Certificate of Eligibility (COE)** on file with the state migrant office: According to sections 1115(c)(2)(C) and 1308 of the *Elementary and Secondary Education Act* and section 200.81 of the accompanying regulations (34 CFR part 200), a child is eligible for the Migrant Education Program if: **1.** The child is younger than 22 and has not graduated from high school or does not hold a high school equivalency certificate; **and** 2. The child is a migrant agricultural worker or a migrant fisher or has a parent, spouse, or guardian who is

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					a migrant agricultural worker or a migrant fisher; **and** **3.** The child has moved within the preceding 36 months in order to obtain (or seek) or to accompany (or join) a parent, spouse, or guardian to obtain (or seek), temporary or seasonal employment in qualifying agricultural or fishing work; **and** 4. The child has moved from one school district to another.
Title1		M	**M**	Is the student in Title 1 programs?	Values: "Yes" or "No" ● "Unknown" not valid for Oklahoma
GiftedTalented		M	**M**	Is the student in Gifted/Talented programs?	Values: "Yes" or "No" ● "Unknown" not valid for Oklahoma A student is identified as "Yes" Gifted/Talented if: 1. "Students who score in the top three percent (3%) on any national standardized test of intellectual ability" (Gifted and Talented Regulations and Program Approval Standards, Subchapter 23, 210: 15-23) means a composite, total or full scale score in the 97th percentile or above, including the standard error of measure (SEM) as denoted in each nationally standardized test of intellectual ability technical manual. Tests of intellectual ability are NOT the same as achievement tests. Examples of tests for General Intellectual Ability include tests from publishers such as: Stanford-

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					Benet, Wechsler, Woodcock-Johnson, and Kaufman. OR 2. Students served and identified by multi-criteria. Multi-criteria include autobiographies, work samples, portfolio, auditions; measures of achievement; measures of performance; referrals- professional, peer, parent, self; scales, inventories, checklists; tests of intellectual ability. AND The student must be participating in Gifted/Talented programs. Students identified, but NOT participating in Gifted/Talented programs would be coded as "No"
EconomicDisadvantage		M	**M**	Does the student meet the State criteria for classification as having an economic disadvantage?	Values: "Yes" or "No" ● "Unknown" not valid for Oklahoma Does the student's situation meet the criteria that would "qualify" this student for Free or Reduced lunch regardless of whether or not the student receives the benefits or whether or not the student has access to a meal? Note: A student may qualify for Free lunch, but the parent/guardian my refuse the service. This student would be EconomicDisadvantage = Yes.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					Note: A student may not have access to a meal, but their situation would have qualified them for a meal if access to a meal had been made available. This student would be Economic Disadvantage = Yes.
ELL		M	M	Is the student an English Language Learner?	Values: “Yes” or “No” ● "Unknown" not valid for Oklahoma Is the student an English Learner* as defined under Title 3 and defined below? Definition: A student is identified as EL if all of the following conditions are met: 1. A language other than English is spoken more often than English in the home OR a language other than English is spoken less often than English in the home. **AND** 2. Upon entering school, the student has been administered the Pre-K Screener, the Kindergarten WIDA ACCESS Placement Test (K-W-APT) or the WIDA ACCESS Placement Test (W-APT) and has a qualifying score below the proficiency level. (Refer to the Office of Assessment for current proficiency levels). Note: The student will continue to be designated as EL if they take the

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					ACCESS for ELLs 2.0 Paper in the spring and score less than the proficiency level on Tier B or C (Refer to the Office of Bilingual Education for current proficiency levels. *English Learner (EL), English Language Learner (ELL), and Limited English Proficient (LEP) are used interchangeably.
Homeless		M	M	Is the student homeless?	Values: “Yes” or “No” ● "Unknown" not valid for Oklahoma A student can still be considered homeless even if the district did not receive the McKinney-Vento grant. The term *'homeless children and youths'* — (A) means individuals who lack a fixed, regular, and adequate nighttime residence (within the meaning of section 103(a)(1)); and (B) includes — (i) children and youths who are sharing the housing of other persons due to loss of housing, economic hardship, or a similar reason; are living in motels, hotels, trailer parks, or camping grounds due to the lack of alternative adequate accommodations; are living in emergency or transitional shelters; are abandoned in hospitals; or are awaiting foster care placement; (ii) children and youths who have a primary nighttime residence that is a public or private place not designed for or ordinarily used as a regular

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					sleeping accommodation for human beings (within the meaning of section 103(a)(2)(C)); (iii) children and youths who are living in cars, parks, public spaces, abandoned buildings, substandard housing, bus or train stations, or similar settings; and (iv) migratory children (as such term is defined in section 1309 of the Elementary and Secondary Education Act of 1965) who qualify as homeless for the purposes of this subtitle because the children are living in circumstances described in clauses (i) through (iii).
Section504		O	O	Is the student a qualified individual under Section 504 of the Rehabilitation Act? (Mutually exclusive with Section 504 classification.)	Values: “Yes” or “No” ● "Unknown" not valid for Oklahoma **This data will now be populated to The Wave from EdPlan.**
VocationalConcentrator		O	**M**	Does the student meet the State criteria for classification as a Secondary CTE Concentrator?	Values: “Yes” or “No” ● "Unknown" not valid for Oklahoma Is the student on a Secondary CTE Concentrator? ● Career Tech Definition: *“A secondary student who has completed 360 hours or more in a single career and technical education (CTE) pathway that leads to postsecondary education and/or terminates in the award of an industry-recognized credential, a certificate, or a degree..”*

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
Immigrant		O	M	Does the student meet the State criteria for classification as being an immigrant?	Values: “Yes” or “No” ● "Unknown" not valid for Oklahoma Definition: Immigrant children and youth means individuals who: 1.Are aged 3 through 21 2.Were not born in any State 3.Have not been attending one or more schools in any one or more States for more than three full academic years For the definition above, “state” means the 50 states, the District of Columbia, and the Commonwealth of Puerto Rico. Note: Children (students) born to United States citizens abroad (e.g., children born on a military base overseas) can be considered immigrants for purposes of Title III, Part A if they meet all the criteria in the definition above for Immigrant.
NeglectedDelinquent		O	M	Is the student participating in programs for neglected, delinquent, or at risk children?	Values: “Yes” or “No” ● "Unknown" not valid for Oklahoma N&D Subpart 1 – A student who is considered neglected, delinquent, or at-risk, who resides in a residential treatment facility for neglected children and youth, an institution, a detention center for youth, or an adult prison facility that is operated by a state agency. The state agency is responsible for providing all

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					educational and transitional services for these children, youth, or adult students. N&D Subpart 2 – A student who is considered neglected, delinquent, or at-risk who resides in a residential treatment facility for neglected children and youth, an institution, or a detention center that contracts with local educational agencies to provide educational services for these children and youth. Additionally, Subpart 2 may provide assistance for a dropout prevention program.
SIF_Metadata		O	O		
SIF ExtendedElements	SIF_ExtendedElements/SIF_ExtendedElementName="Bilingual"	O	**M**		Values: "Yes", "No" According to the home language survey, does the student qualify as bilingual? Yes-: 1. The student is an English Learner (EL) (English Proficiency code 2349), 2. The student is a fluent English speaker who has never been identified as EL, but speaks a language other than English (English Proficiency code 1634). Please refer to table 7.15 for additional information regarding this code, 3. The student was previously identified as EL, but tested proficient on the ACESS for ELLs 2.0 (English Proficiency code 1636). An English Proficiency Other

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					Code of 01, 02, or 05 is required in order to be bilingual. Please refer to table 7.16 for details. No-: 1. The student was never designated as EL and the student is a.) in a home where English is the only language spoken or b.) a language other than English is spoken less often, but the student has a satisfactory or above reading score on the Oklahoma School Testing Program (OSTP) or above the thirty-fifth percentile on the NORM Referenced Test (NRT) (English Proficiency code 1633), 2. The student was previously identified as EL, but tested proficient on the ACESS for ELLs 2.0 (English Proficiency code 1636). An English Proficiency Other Code of 03, 04, or 06 is required. Please refer to code table for details.
SIF_ExtendedElements	SIF_ExtendedElements/SIF_ExtendedElementName="FreeReduced"	O	**M**		Values: Free, Reduced, None, Provision2, Provision3, CommunityEligible, NA ● None - None refers to Paid students ● Provision2, Provision3, CommunityEligible – Refers to school sites that have been identified as provision 2, provision 3, or *Community Eligible schools where students are not individually identified as Free/Reduced.* ● NA – NA refers to students who **DO NOT** have access to a meal.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	SIF_ExtendedElements/SIF_ExtendedElementName=”AltEd”	O	M		**Alternative Education Indicator** Values: “Yes”, “No” Definition: Does the student participate in the Alternative Education Academies funded through the State Incentive Grants? These academies are those that meet the seventeen criteria in law, including the following: class must meet a minimum of 4 hours 12 minutes per day for a 5 day week, or 756 hrs in a 180 school calendar, and provide academic courses aligned with the state academic content standards. Not all programs within a school district referred to as “alternative programs” fit the above definition.
	SIF_ExtendedElements/SIF_ExtendedElementName= “GiftedTalentedIdentified”	O	M		**GiftedTalented Indicator** Indicates how the student was identified as Gifted/Talented. If the student was not identified as Gifted/Talented, the code of DNMCR is expected and required. Note: If a student is identified as Gifted/Talented, but is NOT participating in Gifted/Talented programs, this code will still indicate how the student was identified, but the StudentPersonal/GiftedTalented value would be “No” *Refer to Code Table for definitions of each ExtendedElement Name*

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	SIF_ExtendedElements/SIF_ExtendedElementName= "HomelessPrimaryNightTimeResidence"	O	M		**Homeless Primary Night Time Residence Indicator** Indicates the primary night time residence for students reported as StudentPersonal. Homeless = Yes. Required for all students. If a student is not indicated as Homeless, a code of NIH will be used for this element. *Refer to Code Table for definitions of each ExtendedElement Code*
	SIF_ExtendedElements/SIF_ExtendedElementName= "LunchEligibilityDetermination"	O	M		**Lunch Eligibility Determination Indicator** An indication of how the student was determined to be Free or Reduced. *Refer to Code Table for definitions of each ExtendedElement Code*
	SIF_ExtendedElements/SIF_ExtendedElementName= "CoreInd"	O	M		**Core Curriculum Indicator** Is the student currently enrolled in the core curriculum as indicated in 70 OS 11-103.6? Values: "Yes" or "No" Note: This is not common. All students are enrolled in the College/Preparatory/Work Ready Curriculum unless their parents/guardians opt out of that curriculum and into the Core Curriculum. The default for this element should be "No"

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	SIF_ExtendedElements/SIF_ExtendedElementName= "HomelessMcKinneyVento"	O	M		**Homeless McKinney-Vento** Values: "Yes" or "No" Was this student served by McKinney-Vento sub grants during this current school year? A student cannot be marked as Homeless McKinney-Vento unless the student is in a district that receives the sub-grant.
	SIF_ExtendedElements/SIF_ExtendedElementName= "HomelessUnaccompaniedYouth"	O	M		**Unaccompanied Homeless Youth** Values: "Yes" or "No" Is this student considered a homeless unaccompanied youth? Definition: A homeless unaccompanied youth is a youth who is not in the physical custody of a parent or guardian and who fits the McKinney-Vento definition of homeless. There is no age range specified for an unaccompanied youth in the law. The upper age range is determined by what a state defines as school-age, unless the child is in special education, in which case the upper age range is twenty-one (21) years of age. There is no lower age range.
	SIF_ExtendedElements/SIF_ExtendedElementName= "NDAtRisk"	O	M		**Neglected Delinquent At Risk** Values: "Yes" or "No" Was this student served in an LEA Title I, Part D, Subpart 2 At-Risk

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					program or facility during this current school year? At Risk Definition: Programs operated (through LEAs) that target students who are at risk of academic failure, have a drug or alcohol problem, are pregnant or parenting, have been in contact with the juvenile justice system in the past, are at least 1 year behind the expected age/grade level, have limited English proficiency, are gang members, have dropped out of school in the past, or have a high absenteeism rate at school.
	SIF_ExtendedElements/SIF_ExtendedElementName= "NDNeglected"	O	M		**Neglected Delinquent Neglected** Values: "Yes" or "No" Was this student served in an LEA Title I, Part D, Subpart 2 Neglected program or facility during this current school year? Neglected Definition: An institution for neglected children and youth is a public or private residential facility, other than a foster home, that is operated primarily for the care of children who have been committed to the institution or voluntarily placed under applicable State law due to abandonment, neglect, or death of their parents or guardians.
	SIF_ExtendedElements/SIF_ExtendedElementName= "NDJuvenileDetention"	O	M		**Neglected Delinquent Juvenile Detention** Values: "Yes" or "No"

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					Was this student served in an LEA Title I, Part D, Subpart 2 Juvenile Detention program or facility during this current school year? Juvenile Detention Definition: Detention facilities are shorter-term institutions that provide care to children who require secure custody pending court adjudication, court disposition, or execution of a court order, or care to children after commitment.
	SIF_ExtendedElements/SIF_ExtendedElementName= "NDJuvenileCorrections"	O	**M**		**Neglected Delinquent Juvenile Corrections** Values: "Yes" or "No" Was this student served in an LEA Title I, Part D, Subpart 2 Juvenile Corrections program or facility during this current school year? Juvenile Corrections Definition: An institution for delinquent children and youth is a public or private residential facility other than a foster home that is operated for the care of children and youth who have been adjudicated delinquent or in need of supervision. Include any programs serving adjudicated youth (including non-secure facilities and group homes) in this category.
	SIF_ExtendedElements/SIF_ExtendedElementName= "NDOther"	O	**M**		**Neglected Delinquent Other** Values: "Yes" or "No" Was this student served in an LEA Title I, Part D, Subpart 2 Other

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					program or facility during this current school year? Other Definition: Any other programs, not defined above, which receive Title I, Part D funds and serve non-adjudicated children and youth.
	SIF_ExtendedElements/SIF_ExtendedElementName= "MSIArmedForces"	O	M		**Military Student Identifier – Armed Forces** Values: "Yes" or "No" Does this student have a parent or legal guardian who is a member of the Armed Forces of the United States? (Full-time member of the Army, Navy, Air Force, Marine Corps, or Coast Guard).
	SIF_ExtendedElements/SIF_ExtendedElementName= "MSIReserve"	O	M		**Military Student Identifier – Reserve** Values: "Yes" or "No" Does this student have a parent or legal guardian who is a member of a reserve component of the Armed Forces of the United States? Is the parent a member of the Army Reserve, Navy Reserve, Air Force Reserve, Marine Corps Reserve, or Coast Guard Reserve who is **currently ordered to active duty status?**
	SIF_ExtendedElements/SIF_ExtendedElementName= "MSINationalGuard"	O	M		**Military Student Identifier – National Guard** Values: "Yes" or "No"

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					Does this student have a parent or legal guardian who is a member of the National Guard who is **currently ordered to active duty status**?
	SIF_ExtendedElements/SIF_ExtendedElementName= "Tribal Affiliation"	M	M	An indication of the tribal affiliation of a student who has been identified as having American Indian heritage,	NA Refer to the code table. https://ceds.ed.gov/element/001657
	SIF_ExtendedElements/SIF_ExtendedElementName= "ClassRank Weighted"	M	**M**	The current Weighted class rank of the student in the format of "# of #".	
	SIF_ExtendedElements/SIF_ExtendedElementName= "ClassRank Unweighted"	M	**M**	The current Unweighted class rank of the student in the format of "# of #".	
	SIF_ExtendedElements/SIF_ExtendedElementName= "WeightedGPA"	M	**M**	Current **Cumulative Weighted GPA** for student in #.### format.	
	SIF_ExtendedElements/SIF_ExtendedElementName= "UnweightedGPA"	M	**M**	Current **Cumulative Unweighted GPA** for student in #.### format.	
	SIF_ExtendedElements/SIF_ExtendedElementName= "ELIS"	M	**M**	Current predominate English Learner Intervention Strategy. Only one intervention strategy should be sent per student	Option Set: Values: Values: NA, IS1, IS2, IS3, IS4, IS5, IS6 NA = Not Applicable IS1 =Transitional Bilingual IS2 = Dual Language and Two-Way Immersion (Do not count programs designed to teach native English speakers a second language) IS3 = English as a Second Language (ESL) or English Language Development (ELD IS4 = Content Classes with integrated ESL support IS5 = Newcomer Programs IS6 = Other

1.19 StudentSchoolEnrollment Object
(SIF specification 2.0r1 - 6.14.18)

This object is used to assign ownership of the student record during the Student Testing Number (STN) assignment process. It is also used to update the existing student information in *The Wave* during data collection and reporting.

Multiple StudentSchoolEnrollment objects over the course of a school year are possible depending on certain factors. Where "Requires New SSE" is indicated in *The Wave* Business Rules column below, *The Wave* will expect to see a new StudentSchoolEnrollment object if that element/attribute changes. This would require an exit (StudentSchoolEnrollment change event with an ExitDate) and entry (StudentSchoolEnrollment add event with the new data and EntryDate = ExitDate from previous entry + 1 day) for the student. The EntryDate can NOT equal the ExitDate of the previous StudentSchoolEnrollment for the same student in the same district. The EntryDate must always be at least one calendar day later. The only exception to creating a new StudentSchoolEnrollment object on the fields indicated below with "Requires New SSE" would be in the situation where invalid data is being corrected. Note: If an element is not indicated as requiring a new SSE, but SIF specification require one, a new SSE object should be created.

Common Issues

- EntryType/Code and ExitType/Code – These two elements are required to be four numerical digits identified in the SIF 2.0r1 specification. The local code utilized by the districts is commonly sent which will fail the SIF XSD validation.

Object Validation:
Error Number 901710007 – GradeLevel_Code is invalid.
Error Number 901710008 – GradeLevel_Code was not provided.
Error Number 901710009 – GradeLevel_Code is invalid for district.
Error Number 901710017 – SchoolYear is invalid.
Error Number 901710054 – CalendarSummaryRefId was not provided.
Error Number 901710055 – This StudentSchoolEnrollment object does not have an associated CalendarSummary object..
Error Number 901710142 – EntryDate is out of range.
Error Number 901710143 – EntryType/OtherCode is invalid.
Error Number 901710144 – EntryType/OtherCode was not provided.
Error Number 901710145 – EntryType_Code was not provided.
Error Number 901710146 – EntryType_OtherCode record was not provided.

Error Number 901710147 – ExitDate is out of range.
Error Number 901710148 – ExitType/OtherCode is invalid.
Error Number 901710149 – ExitType/OtherCode was not provided.
Error Number 901710150 – ExitType_Code was not provided.
Error Number 901710151 – ExitType_OtherCode record was not provided.
Error Number 901710152 – FTPT Status was not provided.
Error Number 901710153 – EntryDate was not provided.
Error Number 901710154 – ExitDate before EntryDate.
Error Number 901710159 – SchoolOfMembership code is invalid.
Error Number 901710160 – SchoolOfMembership Code was not provided.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
Student SchoolEnrollment				● This object defines information related to a student's enrollment. ● Note there is only one current home enrollment at a time per student. Only one instance of the StudentSchoolEnrollment object must exist for a given student with MembershipType=Home and TimeFrame=Current for the time interval between EntryDate and ExitDate, inclusive. ● Effective in version 2.0, agents are required to republish a StudentSchoolEnrollment object Change event when the TimeFrame attribute changes, regardless of when the data entry is done. This is in addition to the pre-2.0 practice of publishing the object change event at the time the data changes in the corresponding application.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
				● When the object is republished, it must contain all the data in the object that is supported by the publisher. For more information, please refer to the supporting documentation in the SIF 2.0r1 Specification.	
	RefId	M	M	The ID (GUID) that uniquely identifies a particular enrollment.	**Object that Reference StudentSchoolEnrollment RefID:** StudentAttendanceSummary
StudentPersonalRefId		M	M	The ID (GUID) of the student to whom this information is linked.	This links the StudentSchoolEnrollment to the StudentPersonal object.
SchoolInfoRefId		M	M	The ID (GUID) of the school to which this enrollment applies.	This links the StudentSchoolEnrollment to the SchoolInfo object. Requires new SSE
MembershipType		M	M	The type of this enrollment as it relates to the school identified in SchoolInfoRefId. Values: **Home**—The school is responsible for reporting the student's membership/child accounting information **Concurrent**—The school is not the primary reporting unit for the student's membership/child accounting information **Summer**—A summer school enrollment, not part of the regular school year	Only the site responsible for reporting this student's membership information to the OSDE should have an enrollment with the value of "Home". Note: The Wave began collecting summer school enrollment information on students in 2012. Districts enrolling and educating students through a summer school program must report the enrollments and class schedules of those students. Requires New SSE

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
TimeFrame		M	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.	
SchoolYear		M	M	School year for which this enrollment is applicable, expressed as the four-digit year in which the school year ends (e.g., 2007 for the 2006-07 school year).	Requires New SSE
EntryDate		M	M	The date from when this enrollment is valid.	Requires New SSE. The EntryDate must be an Instructional Day.
EntryType		M	M		
	EntryType/Code	M	M	Code indicating the type of entry for this enrollment.	All SIF codes must be available to the end user in the SIS. More options can be available in the SIS that can map to the SIF codes. Fewer options are not acceptable. OSDE does not ever expect to receive code 9999 – Other. This code is reserved for emergency legislative updates or mid year policy changes and is not valid for any other reason. If you cannot find a code that fits a scenario, please call OSDE. *Refer to code table*
	EntryType/OtherCodeList	M	M		*Refer to code table* The BasisOfAdmission that was formerly a SIF_ExtendedElement has been moved to this location as a Basis of Admission is required each

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					time a new StudentSchoolEnrollment is created and is also an element that if changed requires a new StudentSchoolEnrollment object. A codeset of "StateProvince" will be used. For each unique entry in a school site or district it is possible for the BasisOfAdmission to be different. Example: A student could enter District A at the beginning of the school year with a BasisOfAdmission code of "OT" (Open Transfer). Halfway through the first semester, the student's family moves into the district. This student would then be exited and re-entered with a new BasisOfAdmission of "R" (Resident). This would indicate the time period the student was enrolled in the district as a student on an Open Transfer and the time period the student was enrolled in the district as a Resident.
GradeLevel		M	**M**	Grade or academic level of student.	*Refer to code table* Requires New SSE When a GradeLevel change takes place that creates a new SSE, the expected ExitType/Code would be 3505 and the expected EntryType/Code would be 1835 unless the GradeLevel change

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					results in the student moving from one accredited site to another accredited site in the same district
Homeroom		O	O		
	SIF_RefObject	M	**M**		
Advisor		O	O		
	SIF_RefObject	M	**M**		
Counselor		O	O		
	SIF_RefObject	M	**M**		
ExitDate		C	C	The last school calendar day (membership day) the student was enrolled in the school (inclusive). If the student has exited the school, ExitDate must have a value.	The ExitDate must be the last day of membership for the student. This is a change in business rules. Formerly the ExitDate was the next instructional day following the last day of membership for a student.
ExitStatus		O	O		
	ExitStatus/Code	O	**M**	Code indicating the exit status for this enrollment.	
	ExitStatus/OtherCodeList	O	O		
ExitType		O	C		Required when a student has exited
	ExitType/Code	M	**M**	Code indicating the exit type for this enrollment.	All SIF codes must be available to the end user in the SIS. More options can be available in the SIS that can map to the SIF codes. Fewer options are not acceptable. **NOTE:** Code 1925 will be utilized and interpreted as suspension in Oklahoma

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					OSDE does not ever expect to receive code 9999 – Other. This code is reserved for emergency legislative updates or mid year policy changes. If you cannot find a code that fits a scenario, please call OSDE. *Refer to code table*
	ExitType/OtherCodeList	O	**M**		*Refer to code table* A codeset of "StateProvince" will be used for this element.
FTE		O	O		
FTPTStatus		O	C		Required when StudentSchoolEnrollment/GradeLevel = PK or KG **Values** ● FullTime = Full Day Program ● PartTime = Half Day Program Requires New SSE When a FTPTStatus change takes place that creates a new SSE, the expected ExitType/Code would be 3505 and the expected EntryType/Code would be 1835 unless the FTPTStatus change results in the student moving from one accredited site to another accredited site in the same district
ResidencyStatus		M	O		
	ResidencyStatus/Code	M	**M**		
	ResidencyStatus/OtherCodeList	C	O		
NonResidentAttendReason		C	C		

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SIF_Metadata		O	O		
SIF_ExtendedElements					
	SIF_ExtendedElements/SIF_ExtendedElementName= "CalendarSummaryRefId"	O	**M**		**CalendarSummaryRefId** The Ref Id for the CalendarSummary associated with this enrollment Requires New SSE When a CalendarSummaryRefId change takes place that creates a new SSE, the expected ExitType/Code would be 3505 and the expected EntryType/Code would be 1835 unless the CalendarSummaryRefId change results in the student moving from one accredited site to another accredited site in the same district The format for the RefId should contain no spaces or hyphens. Example: F4AABF042EAD4781A9AA20BF64C4EDAC
	SIF_ExtendedElements/SIF_ExtendedElementName= "SchoolOfMembership"	O	**M**		**School of Membership** Requires New SSE The County, District, Site code of the School who should receive the state aid funding for this particular enrollment period. Most of the time, this will be the same as the StateProvinceId of the SchoolInfo associated with this enrollment and consequently should be the default code provided.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					Examples of when this code would differ from the SchoolInfo/StateProvinceId: 1. The student attending this school is on an IEP and this school is providing the services another district is paying for through a service agreement. The other school site's county/district/site code (e.g. 01C033105) should be provided here. Attendance and membership received from this enrollment can then be applied back to the resident district listed here. In this instance, the EntryType/OtherCode (Basis of Admission) for this enrollment should be one of the following (IEPSA, IEPSAVON, IEPSAVOFF). 2. The school this enrollment is associated with is an alternative education facility set up to serve multiple students from multiple school sites in the district. The site code is therefore not an accredited site code but is used to track students in the alternative school site. This element should contain the county/district/site code of the school site for which membership and attendance will be reported for state aid purposes.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
					● Concatenate County, District, and Site. Must be a valid county/district/site combination in *The Wave* ● Must contain the county id, the district id, and the school site id. Example – Adair county/Bell Elementary School = 01C033105

1.20 StudentSectionEnrollment Object

(SIF Specification 2.0r1 - 6.14.19)

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

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
StudentSection Enrollment				This object contains information about a student's enrollment in a section of a course.	
	RefId	M	M	The ID (GUID) that uniquely identifies this StudentSectionEnrollment entity.	
StudentPersonalRefId		M	M	The ID (GUID) of the student to whom the enrollment information applies.	This links the StudentSectionEnrollment to the StudentPersonal object.
SectionInfoRefId		M	M	The ID (GUID) of the section in which this student is enrolled.	This links the StudentSectionEnrollment to the SectionInfo object.
SchoolYear		M	M	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2018 for the 2017-18 school year).	
EntryDate		O	M	Date from when this course section enrollment is valid.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
ExitDate		O	C	Date on which the student left the course section.	Required if the student has left this course section.
ScheduleInfoOverrideList		O	O	A complete replacement of the standard SectionInfo/ScheduleInfoList for this student's course enrollment.	
	ScheduleInfoOverrideList/ScheduleInfoOverride	MR	MR	A complete replacement of the standard SectionInfo/ScheduleInfo for this student's course enrollment. If the student's schedule for this course is different than the standard schedule as defined in SectionInfo, a ScheduleInfoOverride must be provided for each term in which the course is offered, along with the appropriate value for Override. See the use cases for this object for scenario examples.	
	Override	M	M	Designates whether or not scheduling information has been overridden with different values for this student.	
	TermInfoRefId	M	M	The ID (GUID) of the term to which this override information relates for this student.	This links the StudentSectionEnrollment to the TermInfo object.
	ScheduleInfoOverrideList/ScheduleInfoOverride/MeetingTimeList	O	O		
	ScheduleInfoOverrideList/ScheduleInfoOverride/MeetingTimeList/MeetingTime	MR	MR	Time(s) this section meets for this student; this should be a subset of the meeting times for the section.	
	CreditsAttempted	O	O	Number of credits the student is attempting to earn. If present, this element's value overrides the credits in SchoolCourseInfo and SectionInfo.	
	Type	M	M	The type of credit.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SIF_Metadata		O	O		
SIF_ExtendedElements		O	O		

1.21 StudentSectionMarks Object

(SIF specification 2.0r1 - 6.7.9)

This object contains the marks entered for a student in a class section for a specific marking period. As this object is identified as a Gradebook application in SIF Specification 2.0r1, vendors may elect to provide this data via their Student Information System Agent or through their Gradebook Agent by registering a second agent in the district zone at the state to provide this data. Both methods of transmission of this data are approved.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
StudentSectionMarks				This object contains the marks entered for a student in a class section for a specific marking period.	
StudentPersonalRefId		M	**M**	The Id (GUID) that uniquely identifies the StudentPersonal object that this item refers to.	This links the StudentSectionMarks to the StudentPersonal object.
SectionInfoRefId		M	**M**	The Id (GUID) that uniquely identifies the SectionInfo object that this item refers to.	This links the StudentSectionMarks to the SectionInfo object.
TermInfoRefId		M	**M**	The Id (GUID) that identifies the marking period that the following marks are recorded in.	This links the StudentSectionMarks to the TermInfo object.
SchoolInfoRefId		M	**M**	The Id (GUID) that uniquely identifies the School that these Mark Values apply to.	This links the StudentSectionMarks to the SchoolInfo object.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
IsFinal		M	M	Indicates if the grades are "Final" from the perspective of the teacher or school. Does not mean that change events will not occur for this item.	
MarkList		MR	MR	A list of marks received for this student in this section. For each Mark entry, at least one of the sub-elements must be specified.	
	MarkList/Mark	MR	MR	Outer wrapper for marks reported for this section, in this term.	
	MarkInfoRefId	M	M	The Id (GUID) that identifies a mark that was given for this student.	
	MarkList/Mark/Percentage	C	C	The percent score for this mark (0.00 - 100.00).	Required if available. Note: At least one of the four (Percentage, Numeric, Letter, Narrative) must be supplied. For the higher grades (7th – 12th, Percentage and Letter grades are expected where applicable).
	MarkList/Mark/Numeric	C	C	The raw numeric score for this mark.	Required if available. Note: At least one of the four (Percentage, Numeric, Letter, Narrative) must be supplied. For the higher grades (7th – 12th, Percentage and Letter grades are expected where applicable).

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
	MarkList/Mark/Letter	C	C	The letter grade for this mark.	Required if available. Note: At least one of the four (Percentage, Numeric, Letter, Narrative) must be supplied. For the higher grades (7th – 12th, Percentage and Letter grades are expected where applicable). The letter grade is used for inclusion in the Post-Secondary Opportunities Report.
	MarkList/Mark/Narrative	C	C	The free form text narrative for this mark.	Required if available. Note: At least one of the four (Percentage, Numeric, Letter, Narrative) must be supplied. For the higher grades (7th – 12th, Percentage and Letter grades are expected where applicable).
SIF_Metadata		O	O		
SIF_ExtendedElements		O	O		

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
`	SIF_ExtendedElements/SIF_ExtendedElementName= “TermGrade”	O	C		**Term Grade** Required if a Term Grade exists. Contained in this element will be the MarkInfoRefId that represents the relevant grade for the term associated with this particular object. Since the StudentSectionMarks contains a MarkList, it is possible for more than one grade to be assigned for this object for a particular term and it is possible for all of the grades contained in the list to be IsFinal = true. The relevant grade or “report card” grade for the term (TermInfoRefId) associated with this object should be identified by placing the MarkInfoRefId from the MarkList in this ExtendedElement. If a relevant grade does not exist, then the SIF_ExtendedElement does not have to be supplied. The format for the RefId should contain no spaces or hyphens. Example: F4AABF042EAD4781A9AA20BF64C4EDAC

1.22 TermInfo Object

(SIF specification 2.0r1 - 6.14.21)

This object provides information about a term.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
TermInfo				This object provides information about a term; i.e., a reportable period of time.	
RefId		M	M	The ID (GUID) that uniquely identifies this TermInfo entity.	**Object that Reference TermInfo RefID:** SectionInfo StudentSectionEnrollment StudentSectionMarks
SchoolInfoRefId		M	M	The ID (GUID) that identifies the school where the term is used.	This links the TermInfo to the SchoolInfo object.
SchoolYear		M	M	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g., 2018 for the 2017-18 school year).	
StartDate		M	M	Starting date of the term.	
EndDate		M	M	Ending date of the term (CCYYMMDD).	
Description		O	M	Text-based description of the term.	The locally defined description of the term. If the term set up is a block term, it is recommended the school include the word “Block” somewhere in the description of the term (e.g. Block 1, Block Two, 3rd quarter block, etc.). Otherwise, the Description can be anything determined by the school.
RelativeDuration		O	O	Portion of the school year represented by this term, expressed in decimal form precise to 4 decimal places (e.g., 0.1333).	
TermCode		O	O	Locally-defined code.	

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
Track		O	O	The name, description, or code of the track that contains this term. This is used when there are multiple tracks within a school. For instance, kindergarten commonly has a different set of terms than other grades within the school.	

TermSpan		O	**M**	Code for session type.	An indication of the Session Type. A specific code indicating what this particular term being reported represents. 0827 Full School Year 0828 Semester 0829 Trimester 0830 Quarter 0831 Quinmester 0832 Mini term 0833 Summer term 0834 Intersession 0835 Long Session 0837 Twelve month 9999 Other OSDE does not ever expect to receive code 9999 – Other. This code is reserved for emergency legislative updates or mid year policy changes and is not valid for any other reason. If you cannot find a code that fits a scenario, please call OSDE.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
MarkingTerm		O	M	Does this TermInfo represent a marking period?	Values: "Yes" or "No" Does this term represent a marking term? At least one of the following: MarkingTerm, SchedulingTerm, AttendanceTerm must be marked with a "Yes" value. More than one may be represented in the same TermInfo object.
SchedulingTerm		O	M	Does this TermInfo represent a scheduling term?	Values: "Yes" or "No" Does this term represent a scheduling term? At least one of the following: MarkingTerm, SchedulingTerm, AttendanceTerm must be marked with a "Yes" value. More than one may be represented in the same TermInfo object.
AttendanceTerm		O	M	Does this TermInfo represent an attendance term?	Values: "Yes" or "No" Does this term represent an attendance term? At least one of the following: MarkingTerm, SchedulingTerm, AttendanceTerm must be marked with a "Yes" value. More than one may be represented in the same TermInfo object.

Element	Attribute	Char	Wave Element	SIF Description	Wave Business Rules
SIF_Metadata		O	O		
SIF_ExtendedElements		O	O		