



2019-2020
Texas Education Data Standards (TEDS)

Section 2.0
Data Submission Requirements Introduction

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Table of Contents

Data Submission Purpose	1
PEIMS	1
TSDS	1
Early Childhood Data System (ECDS)	1
Residential Facility Tracker	1
State Performance Plan Indicator (SPPI) 14	1
Class Roster	1
studentGPS® Dashboards (Optional)	1
Data Submission Requirements	1
PEIMS	2
TSDS	2
Data File Layouts	3
List of Data Categories to Data Sub-Category	3
List of Complex Types	8

Data Submission Purpose

PEIMS

The data that is reported to the Public Education Information Management System (PEIMS) is used to analyze Texas public education data through data reports, evaluations, Texas Academic Performance Reports/Accountability ratings, and funding calculations.

TSDS

The TSDS data that is reported to the Education Data Warehouse (EDW) is a single resource for Texas local education agencies (LEAs), campuses and Education Service Centers (ESCs) to upload their data in a standard format for use with multiple applications. The data is used to provide educators with the ability to submit their required state and federal reports from a single source in a timely manner.

Early Childhood Data System (ECDS)

The purpose of the ECDS Collection is to inform parents, school administrators, the public, statewide stakeholders, community, and policymakers about the quality of early childhood education and help direct resources in an informed manner.

Residential Facility Tracker

The purpose of the RF Tracker Collection is to oversee and monitor the programs provided to students with disabilities who reside in residential facilities (RFs).

State Performance Plan Indicator (SPPI) 14

The purpose of the SPPI-14 Collection is to obtain student and parent/contact information for the purpose of sending out the Post-School Outcomes Survey to a random sample of recipients.

Class Roster

The purpose of the Class Roster Collection is to collect the information required to link a student's assessment results to the teacher who provided the associated instruction. This data is accessed through the student assessment portal. This collection also enables the vendor to return assessment results to TEA at the class roster level.

studentGPS® Dashboards (Optional)

The data is used to provide educators with timely, actionable, relevant measures of Education Organizations, Staff, and Student performance metrics to determine the needs of the school and student. Making such information readily available to educators allows them to monitor student performance, see warning signs as well as growth opportunities early, and intervene appropriately to ensure each student avoids failure and reaches his or her full potential.

Data Submission Requirements

Data extracted from the LEA data systems(s) must be formatted to reflect what is in the Texas Education Data Standards (TEDS). Every LEA in the state will use the same extensible markup language (XML) formats to submit data. The LEA's data will be loaded to the Education Data Warehouse (EDW) where it will be subject to the business rules and validations prior to being certified by the LEA superintendent.

Section 2 includes the following:

- A detailed table of data elements organized by Interchange and Complex Type
- Element Id, Data Element, XMLName, TSDS, PEIMS, Length, Data Type, and Code Table ID
 - Asterisks (**) that appear in the complex type data layouts indicate that there is a complex type within a complex type.
 - The element ids that are indented identify the data elements that are part of the complex type denoted with asterisks (**).
 - Data rows that are in gray and italicized represent interchange schemas, complex types and data elements that are part of the Ed-Fi Core Schema, but not currently used for Texas reporting.

- Reporting Requirements which are specific instructions for a Complex Type
- Special Reporting Requirements pertain to special populations or nuances found within the Complex Type
- Business Rules lists each element and a description
 - Asterisks (**) that appear beside a complex type indicate that there is a complex type within a complex type.
 - The element ids that are indented identify the data elements that are part of the complex type denoted with asterisks (**).

PEIMS

PEIMS data consists of five categories: Education Organization, Finance, Staff, Student, and Campus Course Section.

Local education agencies (LEAs) and Education Service Centers (ESCs) will transmit their PEIMS data collection to the Education Data Warehouse (EDW) using one or more Interchange Schemas drawn from the Ed-Fi Core and Texas Core Extension Schemas. These interchange schemas are mandatory for data submission for each local education agency (LEA) and Education Service Centers (ESCs) when submitting PEIMS data to the Texas Education Agency (TEA).

Data extracted from a LEAs student information system (SIS), whether automated or not, must be formatted to reflect the specified interchange schema for each PEIMS submission. Every LEA and ESC in the state will use the same data structures to submit data, regardless of the degree of sophistication of its SIS and/or data processing facility.

The PEIMS data files will be processed through the TSDS Data Validation Tool in the TSDS PEIMS Data Mart. All fatal errors that are identified must be corrected before the TEA will accept a LEA or ESC's PEIMS data. Special warning and warning edits must be reviewed for data accuracy by the appropriate LEA and ESC staff before the data is approved by the same.

PEIMS data is collected four times each school year. The collections are:

- Submission 1 - PEIMS Fall Snapshot (including student leaver) data,
- Submission 2 - Mid-Year (prior year financial Actual) data,
- Submission 3 - Summer (school year attendance, discipline, course completion) data, and
- Submission 4 - Extended Year (summer program) data.

TSDS

TSDS data consists of seven categories: Education Organization, Finance, Staff, Student, Campus Course Section, Assessment, and Cohort.

Local Education Agencies (LEAs) will transmit their TSDS data collection to the Education Data Warehouse (EDW) using one or more interchange schemas drawn from the Ed-Fi Core and Texas Core Extension Schemas.

Data File Layouts

List of Data Categories to Data Sub-Category

The following chart shows the relationship of data categories to data subcategories.

Category	Sub-Category	Associated Interchange Schema(s)	Associated Complex Type(s)	Sub-Category Code
Education Organization	<i>State Education Agency</i>	InterchangeEducationOrganizationExtension	<i>StateEducationAgency</i>	10000
	Education Service Center	InterchangeEducationOrganizationExtension	EducationServiceCenter	10005
	Local Education Agency	InterchangeEducationOrganizationExtension	LocalEducationAgencyExtension	10010
	SSA Organization Association	InterchangeSSAOrganizationAssociationExtension	SSAOrganizationAssociationExtension	10011
	Campus	InterchangeEducationOrganizationExtension	SchoolExtension	10020
	<i>Feeder School Association</i>	InterchangeEducationOrganizationExtension	<i>FeederSchoolAssociation</i>	<i>10021</i>
	Residential Facility	InterchangeEducationOrganizationExtension	ResidentialFacility	10025
	Location	InterchangeEducationOrganizationExtension	Location	10030
	Class Period	InterchangeEducationOrganizationExtension	ClassPeriod	10040
	Master Schedule	InterchangeMasterScheduleExtension	<i>BellSchedule</i> CourseOffering <i>MeetingTime</i> SectionExtension	10050
	Course	InterchangeEducationOrganizationExtension	Course	10070
	<i>Competency Level Descriptor</i>	InterchangeEducationOrganizationExtension	<i>CompetencyLevelDescriptor</i>	10080
	Program	InterchangeEducationOrganizationExtension	Program	10090

Category	Sub-Category	Associated Interchange Schema(s)	Associated Complex Type(s)	Sub-Category Code
	Calendar	InterchangeEducationOrgCalendar	<i>AcademicWeek</i> CalendarDateExtension GradingPeriod Session ReportingPeriodExtension	10200
Finance	Budget	InterchangeFinanceExtension	BudgetExtension	20030
	Actual	InterchangeFinanceExtension	ActualExtension	20032
	Shared Services Arrangement Actual	InterchangeFinanceExtension	SharedServiceArrangementExtension	20033
Staff	Staff Basic Information	InterchangeStaffAssociationExtension	StaffExtension CredentialFieldDescriptor	30040
	Employment – Payroll Summary	InterchangeStaffAssociationExtension	StaffExtension StaffEducationOrgEmploymentAssociationExtension	30050
	Contracted Instructional Staff	InterchangeStaffAssociationExtension	ContractedInstructionalStaffFTEExtension	30055
	Payroll	InterchangeStaffAssociationExtension	PayrollExtension	30060
	Responsibility	InterchangeStaffAssociationExtension	StaffResponsibilitiesExtension	30090
	Teacher Class Assignment	InterchangeStaffAssociationExtension InterchangeMasterScheduleExtension	StaffEducationOrgAssignmentAssociationExtension TeacherSectionAssociationExtension SectionExtension	30305
	Staff Association	InterchangeStaffAssociationExtension	<i>StaffProgramAssociation</i> TeacherExtension TeacherSchoolAssociation LeaveEvent <i>OpenStaffPosition</i>	30310

Category	Sub-Category	Associated Interchange Schema(s)	Associated Complex Type(s)	Sub-Category Code
Student	Student Basic Information	InterchangeStudentExtension	StudentExtension	40100
	Enrollment	InterchangeStudentEnrollmentExtension InterchangeStudentProgramExtension	StudentSchoolAssociationExtension StudentSectionAssociation StudentProgramExtension StudentBilingualProgramAssociationExtension StudentESLProgramAssociationExtension ServiceDescriptor	40110
	Student Residential Facility Association	InterchangeStudentEnrollmentExtension	StudentResidentialFacilityAssociationExtension	40115
	Career and Technical Course	InterchangeStudentEnrollmentExtension	CareerAndTechnicalEducationCourseExtension	40170
	School Leaver	InterchangeStudentEnrollmentExtension	SchoolLeaverExtension	40203
	Programs			41000
	Career and Technical Program	InterchangeStudentProgramExtension	StudentProgramExtension StudentCTEProgramAssociationExtension	41169
	Special Education Program	InterchangeStudentProgramExtension	StudentProgramExtension StudentSpecialEdProgramAssociationExtension	41163
	Title I, Part A Program	InterchangeStudentProgramExtension	StudentProgramExtension StudentTitleIPartAProgramAssociationExtension	41461
	Attendance			42000
	Basic Attendance	InterchangeStudentAttendanceExtension	BasicReportingPeriodAttendanceExtension	42400
	Special Programs Reporting Period Attendance	InterchangeStudentAttendanceExtension	SpecialProgramsReportingPeriodAttendanceExtension	42401
	Special Education Attendance	InterchangeStudentAttendanceExtension	SpecialProgramsReportingPeriodAttendanceExtension	42405
	Career and Technical Education Attendance			42410
	Flexible Attendance			42500
	Special Education Flexible Attendance			42505
	Career and Technical Flexible Attendance			42510

Category	Sub-Category	Associated Interchange Schema(s)	Associated Complex Type(s)	Sub-Category Code
	Daily Attendance	InterchangeStudentAttendanceExtension	AttendanceEvent	42520
	Extended School Year Services	InterchangeStudentProgramExtension	StudentESYProgramAssociationExtension	42408
	Course Completion	InterchangeStudentTranscriptExtension InterchangeMasterScheduleExtension InterchangeStudentEnrollmentExtension	StudentAcademicRecord CourseTranscriptExtension SectionExtension StudentSchoolAssociationExtension StudentSectionAssociation	43415
	Disciplinary Action	InterchangeStudentDisciplineExtension	StudentDisciplineIncidentAssociationExtension DisciplineActionExtension DisciplineIncident BehaviorDescriptor DisciplineDescriptor	44425
	Student Restraint	InterchangeStudentRestraintEventExtension	RestraintEventExtension	45435
	Student Assessment	InterchangeStudentAssessment	StudentReference AssessmentReference StudentAssessment StudentObjectiveAssessment StudentAssessmentItem	46010
	Student Grade	InterchangeStudentGradeExtension	<i>ReportCard</i> Grade <i>StudentCompetency</i> <i>Diploma</i> <i>GradebookEntry</i> <i>StudentGradebookEntry</i> <i>CompetencyLevelDescriptor</i> <i>LearningObjective</i> <i>StudentCompetencyObjective</i>	47010
	Student Graduation Plan	InterchangeStudentEnrollmentExtension	GraduationPlan	48010

Category	Sub-Category	Associated Interchange Schema(s)	Associated Complex Type(s)	Sub-Category Code
	Student Graduation Program	InterchangeStudentEnrollmentExtension	StudentGraduationProgramExtension	48011
	Student Parent Association	InterchangeStudentParentExtension	Parent StudentExtension StudentParentAssociation	49010
Campus Course Section	Course Section	InterchangeMasterScheduleExtension InterchangeStudentEnrollmentExtension InterchangeStaffAssociationExtension	SectionExtension StudentSectionAssociation TeacherSectionAssociationExtension	50300
Assessment	Assessment Metadata	InterchangeAssessmentMetadataExtension	AssessmentExtension AssessmentPeriodDescriptor <i>AssessmentFamily</i> AssessmentItem LearningStandardExtension LearningObjective ObjectiveAssessment PerformanceLevelDescriptor	60010
Cohort	Cohort	InterchangeStudentCohort	Cohort StaffCohortAssociation StudentCohortAssociation	70010

List of Complex Types

The following chart provides an alphabetical list of the complex types and displays the collection for which the data is used.

Complex Types	TSDS	PEIMS			
		1 Fall	2 MY	3 Sum	4 EY
Required Complex Types					
ActualExtension			Y		
Assessment	Y				
AssessmentItem	Y				
AssessmentPeriodDescriptor	Y				
AssessmentReference	Y				
AttendanceEvent	Y				
BasicReportingPeriodAttendanceExtension				Y	
BehaviorDescriptor	Y				
BudgetExtension		Y			
CalendarDateExtension	Y			Y	
CareerAndTechnicalEducationCourseExtension		Y			
ClassPeriod	Y			Y	
Cohort	Y				
ContractedInstructionalStaffFTEExtension		Y			
Course	Y	Y		Y	Y
CourseOffering	Y			Y	Y
CourseTranscriptExtension	Y			Y	Y
CredentialFieldDescriptor	Y				
DisciplineActionExtension	Y			Y	
DisciplineDescriptor	Y				
DisciplineIncidentExtension	Y			Y	
EducationOrganization	Y	Y	Y	Y	Y
EducationServiceCenter		Y	Y		
Grade	Y				
GradingPeriod	Y				
GraduationPlan	Y				
LearningObjective	Y				
LeaveEvent	Y				
LocalEducationAgencyExtension	Y	Y	Y	Y	Y
Location	Y				
ObjectiveAssessment	Y				
Parent	Y				
PayrollExtension		Y			
PerformanceLevelDescriptor	Y				
Program	Y				
ResidentialFacilityExtension	Y				
RestraintEventExtension				Y	

Complex Types	TSDS	PEIMS			
		1 Fall	2 MY	3 Sum	4 EY
Required Complex Types					
ReportingPeriodExtension				Y	
SchoolExtension	Y	Y	Y	Y	Y
SchoolLeaverExtension		Y			
SectionExtension	Y			Y	Y
ServiceDescriptor	Y				
Session	Y				
SharedServiceArrangementExtension			Y		
SpecialProgramsReportingPeriodAttendanceExtension				Y	Y
SSAOrgAssociationExtension		Y	Y		
StaffCohortAssociation	Y				
StaffEducationOrgAssignmentAssociationExtension	Y				
StaffEducationOrgEmploymentAssociationExtension	Y	Y			
StaffExtension	Y	Y			
StaffResponsibilitiesExtension		Y			
StudentAcademicRecord	Y			Y	Y
StudentAssessment	Y				
StudentAssessmentItem	Y				
StudentBilingualProgramAssociationExtension	Y				
StudentCohortAssociation	Y				
StudentCTEProgramAssociationExtension	Y	Y			
StudentDisciplineIncidentAssociationExtension	Y			Y	
StudentESLProgramAssociationExtension	Y				
StudentESYProgramAssociationExtension					Y
StudentExtension	Y	Y		Y	Y
StudentGraduationProgramExtension		Y		Y	
StudentObjectiveAssessment	Y				
StudentParentAssociation	Y				
StudentProgramAssociation	Y				
StudentProgramExtension		Y		Y	Y
StudentReference	Y				
StudentResidentialFacilityAssociationExtension	Y				
StudentSchoolAssociationExtension	Y	Y		Y	Y
StudentSectionAssociation	Y			Y	Y
StudentSpecialEdProgramAssociationExtension	Y	Y		Y	
StudentTitleIPartAProgramAssociationExtension	Y	Y		Y	
TeacherExtension	Y				
TeacherSchoolAssociation	Y				
TeacherSectionAssociationExtension	Y				

Complex Types	TSDS	PEIMS			
		1 Fall	2 MY	3 Sum	4 EY
Complex Types Not Used By TEA					
Account					
AccountCodeDescriptor					
AccountCodeDescriptorType					
AccountIdentityType					
AccountReferenceType					
Actual					
Budget					
ContractedStaff					
Payroll					
StudentSpecialEdProgramAssociation					
Teacher					
Complex Types Not Used By TEA					
AcademicWeek					
AssessmentFamily					
BellSchedule					
CompetencyLevelDescriptor					
Diploma					
FeederSchoolAssociation					
GradebookEntry					
LearningObjective (InterchangeStudentGradeExtension)					
LearningStandardExtension					
MeetingTime					
OpenStaffPosition					
PostSecondaryEvent					
ReportCard					
StaffProgramAssociation					
StateEducationAgency					
StudentCompetency					
StudentCompetencyObjective					
StudentGradebookEntry					