



**2019-2020**  
**Texas Education Data Standards (TEDS)**

**Section 1**  
**Data Submission Specifications & Responsibilities**

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## Data Submission Specifications

Close cooperation of local education agencies (LEA), regional Education Service Centers (ESCs), and the Texas Education Agency (TEA) are required for the success of the Texas Student Data System (TSDS) project.

TEDS is based upon the Ed-Fi Core, a widely adopted, open-source data standard developed by the educational community. The Ed-Fi Data Core serves as the basis for collecting data in TSDS. Texas Core Extension is used when the foundational Ed-Fi Core does not accommodate a Texas specific requirement.

TEDS is based upon the exchange of XML formatted data in interchange schemas, a structured format for the transfer of this data. Interchange schemas are specific data exchange schemas that are composed from the choice of elements available in the Ed-Fi Core and the Texas Core Extension. These interchange schemas will allow users to load specific data sets to the Education Data Warehouse (EDW).

TSDS will use the interchange schemas to load the data to the EDW. The interchange schemas must be loaded in the following order. If a collection does not require an interchange, then skip to the next interchange.

1. InterchangeEducationOrganizationExtension
2. InterchangeEducationOrgCalendar
3. InterchangeMasterScheduleExtension
4. InterchangeStudentExtension
5. InterchangeStudentParentExtension
6. InterchangeStudentEnrollmentExtension
7. InterchangeStaffAssociationExtension
8. InterchangeStudentAttendanceExtension
9. InterchangeStudentDisciplineExtension
10. InterchangeStudentGradeExtension
11. InterchangeStudentTranscriptExtension
12. InterchangeStudentProgramExtension
13. InterchangeAssessmentMetadata
14. InterchangeStudentAssessment
15. InterchangeStudentCohort
16. InterchangeSSAOrganizationAssociationExtension
17. InterchangeFinanceExtension
18. InterchangeStudentRestraintEventExtension

The TSDS data collections are:

- PEIMS Submission 1 represents the state of the LEA as of the PEIMS Fall snapshot date, which is the last Friday in October, whether or not this is a day of instruction. LEAs shall report all students served and staff employed on that date. Exception: Leaver data are reported based on leaver status as of the last Friday in September. ESCs and LEAs shall report current school year budget data.
- PEIMS Submission 2 is a report of actual financial data for the prior school year.
- PEIMS Submission 3 includes yearlong student attendance, course completion, disciplinary actions, restraint events, course sections, and teacher class assignments.
- PEIMS Submission 4 includes student extended year services, flexible attendance, and dual credit course completion.
- TSDS Collection includes data LEAs will use for required state and federal reporting and view in the studentGPS™ Dashboards (which is optional), Residential Facility (RF) Tracker, and State Performance Plan Indicator (SPPI) 14.

### General Requirements:

- Data will be submitted in an XML format as defined in TEDS.
- Once the PEIMS data is validated and fatal free, it can be submitted to TEA.
- Once the TSDS data passes validation, the data is used by the LEAs for required state and federal reporting, viewed in the studentGPS® Dashboards, or used by RF Tracker or SPPI-14 collections.

**XML File Naming Requirements**

- For each interchange file submitted to the EDW, the system must identify the correct organization and data collection in order to process the file correctly:

Position	1-6	7	8-10	11	12-20	21	22-33	34	35*
Description	District Code	_	Campus ID	_	Collection Code	_	Timestamp	_	Interchange

**District Code:** The LEA code for which the data is being uploaded. (6 digits in length)

**Campus ID:** The Campus ID is used when the file that is being loaded contains data for one campus. If the file contains data for more than one campus or for all campuses, the value Campus ID is '000'. (3 digits in length)

**Note: DTU submissions should always use Campus ID '000'.**

**Collection Code:** The collection code is a character string that uniquely identifies the data collection. (9 characters in length)

- The first four characters of the Collection Code shall be the ending year of the school year. For example, the first four characters would be '2014' for the 2013-2014 school year.
- The next four to five characters of the Collection Code shall indicate the type of data being submitted. Currently, the possible values are:

"FALL1" which represents the PEIMS Fall First Submission.

"FALL2" which represents the PEIMS Fall Resubmission.

"FALL3" which represents the PEIMS Fall Working Collection.

"MDYR1" which represents the PEIMS Mid-Year First Submission.

"MDYR2" which represents the PEIMS Mid-Year Resubmission.

"MDYR3" which represents the PEIMS Mid-Year Working Collection.

"SUMR1" which represents the PEIMS Summer First Submission.

"SUMR2" which represents the PEIMS Summer Resubmission.

"SUMR3" which represents the PEIMS Summer Working Collection.

"EXYR1" which represents the PEIMS Extended-Year First Submission.

"EXYR2" which represents the PEIMS Extended-Year Resubmission.

"EXYR3" which represents the PEIMS Extended-Year Working Collection.

"TSDS" which represents the EDW data the LEAs will use for required state and federal reporting and views in the studentGPS™ Dashboards.

**Timestamp:** The timestamp is a date in YYYYMMDDHHMM format (e.g. 201406021015). The Timestamp shall be a system generated value at the time the data is extracted. (12 digits in length)

**Interchange:** The interchange is the name of the interchange being submitted.

- There **must** be an underscore (\_) between each element in the file name.

**Examples:**

227950\_000\_2014FALL1\_201310271015\_InterchangeStaffAssociationExtension.xml = 2013-2014 Fall First Submission Collection Staff Association Interchange for Region XIII.

227901\_000\_2014FALL1\_201310271015\_InterchangeStudentExtension.xml = 2013-2014 Fall First Submission Collection Student Interchange for Austin ISD.

227901\_002\_2014FALL1\_201310271015\_InterchangeStudentExtension.xml = 2013-2014 Fall First Submission Collection Student Interchange for Austin High School in Austin ISD.

227950\_000\_2014FALL2\_201310271015\_InterchangeStaffAssociationExtension.xml = 2013-2014 Fall Resubmission Collection Staff Association Interchange for Region XIII.

227950\_000\_2014FALL3\_201310271015\_InterchangeStaffAssociationExtension.xml = 2013-2014 Fall Working Collection Staff Association Interchange for Region XIII.

227901\_000\_2014TSDS\_201308301159\_InterchangeStudentExtension.xml = 2013-2014 TSDS Collection Student Interchange for Austin ISD.

### XML File Header Requirements

- For each xml file submitted to the EDW, the header must read as follows in order to process correctly:

```
<?xml version="1.0" encoding="UTF-8"?> xsi:schemaLocation="http://www.tea.state.tx.us/tsds [Exact Interchange Name].xsd" xmlns="http://www.tea.state.tx.us/tsds" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

#### Example:

```
<InterchangeStudentEnrollment xsi:schemaLocation="http://www.tea.state.tx.us/tsds InterchangeStudentEnrollmentExtension.xsd" xmlns="http://www.tea.state.tx.us/tsds" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

### Data Load Timelines

The timelines for loading data to the ODS are outlined as follows:

- Dashboard load times will be limited to the following daily schedule:
  - The Dashboard Data Mart processes run nightly. In order to accommodate these processes, the Operational Data Store (ODS) will not process any xml files submitted between 6:00 PM and 7:00 AM
  - Monday thru Thursday, InterchangeStudentGradeExtension xml files will not be loaded into the ODS. These files are massive in size and will be loaded only on Fridays.
- PEIMS load times are not limited. You will be able to load PEIMS data to the ODS at any time.

### Hardware Requirements

To load data to the EDW, a server is needed to store the interchange xml files that are extracted from the LEAs source systems (i.e., SIS, HR, Finance, Assessment, etc.). This server is required to meet the minimum specifications as outlined below. This does NOT need to be a dedicated server. It can be shared for other purposes.

- Minimum Server Specifications:
  - T1 line or greater bandwidth
  - Windows XP or above - 32 bit
  - Processor speed - 2 GHZ or higher
  - RAM - at least 2 GB
  - Disk space - at least 15 GB available

**Interchange Schemas with Associated Complex Types Chart**

The following chart provides the list in the order to submit the interchange schema(s) and associated complex types for the indicated data collections. In order for an LEA to load data into the EDW, the interchange schema(s) and associated complex types for the TSDS Collection must be submitted. Data rows that are in gray and italicized represent complex types that are part of the Ed-Fi Core Schema, but not for Texas use at this time.

Complex Type	Description	Category	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
<b>InterchangeEducationOrganizationExtension</b>							
<i>10000 - StateEducationAgency</i>	<i>State Education Agency</i>	<i>Education Organization</i>					
10005 - EducationServiceCenter	Education Service Center	Education Organization		Y	Y		
10010 - LocalEducationAgencyExtension	School District and Charter Schools	Education Organization	Y	Y	Y	Y	Y
10011 - SSAOrgAssociationExtension	Shared Service Arrangement Fiscal Agent	Education Organization		Y	Y		
10020 - SchoolExtension	Campus	Education Organization	Y	Y	Y	Y	Y
<i>10021 - FeederSchoolAssociation</i>	<i>Feeder Campus</i>	<i>Education Organization</i>					
10025 - ResidentialFacilityExtension	Residential Facility	Education Organization	Y				
10030 - Location	Education Organization Location	Education Organization	Y				
10040 - ClassPeriod	Class Periods	Education Organization	Y			Y	
10070 - Course	Campus Course Section	Education Organization	Y	Y		Y	Y
<i>10080 - CompetencyLevelDescriptor</i>	<i>Assessed Competencies</i>	<i>Education Organization</i>					
10090 - Program	Programs	Education Organization	Y				
<b>InterchangeEducationOrgCalendar</b>							
10200 - Session	Prescribed Span of Time for an Education Organization	Education Organization	Y				
10200 - GradingPeriod	Time span for Reporting Grades	Education Organization	Y				
10200 - CalendarDateExtension	Day in the School Calendar	Education Organization	Y			Y	
<i>10200 - AcademicWeek</i>	<i>Academic Weeks for School Year</i>	<i>Education Organization</i>					
10200 - ReportingPeriodExtension	Time Period for Attendance	Education Organization				Y	

Complex Type	Description	Category	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
<b>InterchangeMasterScheduleExtension</b>							
10050 - CourseOffering	Campus Course Offerings	Education Organization	Y			Y	Y
10050 / 43415 / 50300 - SectionExtension	Course Sections	Education Organization Student Campus Course Section	Y			Y	Y
<i>10050 - BellSchedule</i>	<i>Campus Bell Schedule</i>	<i>Education Organization</i>					
<i>10050 - MeetingTime</i>	<i>Meeting time for the class</i>	<i>Education Organization</i>					
<b>InterchangeStudentExtension</b>							
40100 - StudentExtension	Student ID and Demographics	Student		Y		Y	Y
<b>InterchangeStudentParentExtension</b>							
49010 - StudentExtension	Student ID and Demographics	Student	Y				
49010 - Parent	Student's Parent Information	Student	Y				
49010 - StudentParentAssociation	Relates Students to Parents	Student	Y				
<b>InterchangeStudentEnrollmentExtension</b>							
40110 - StudentSchoolAssociationExtension	Campus Enrollment and Withdrawal	Student	Y	Y		Y	Y
40110 / 50300 - StudentSectionAssociation	Student Section Enrollment	Student Campus Course Section	Y			Y	Y
40115 - StudentResidentialFacilityAssociationExtension	Student Residential Facility Association	Student	Y				
40170 - CareerAndTechnicalEducationCourseExtension	Student Career and Technical Education (CTE) Course	Student		Y			
48010 - GraduationPlan	Student Graduation Plan	Student	Y				
40203 - SchoolLeaverExtension	Student leavers in grades 7-12 during the prior school year	Student		Y			
48011 - StudentGraduationProgramExtension	Students that are pursuing or have completed a graduation program such as the FHSP.	Student		Y		Y	

Complex Type	Description	Category	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
<b>InterchangeStaffAssociationExtension</b>							
30040 - StaffExtension	Staff ID and Demographics	Staff	Y	Y		Y	
30050 - StaffEducationOrgEmploymentAssociationExtension	Staff Employment - Payroll Summary	Staff	Y	Y		Y	
30305 - StaffEducationOrgAssignmentAssociationExtension	Staff associated with their responsibilities within the LEA and/or school	Staff	Y				
<i>30310 - StaffProgramAssociation</i>	<i>Staff Associated with a Program</i>	<i>Staff</i>					
30090 - StaffResponsibilitiesExtension	Staff Responsibility	Staff		Y			
30310 - TeacherExtension	Staff Responsibility –Instructional Staff only	Staff	Y				
30310 - TeacherSchoolAssociation	Teacher Campus of Service	Staff	Y				
30305 / 50300 - TeacherSectionAssociationExtension	Teacher Section Assignment	Staff Campus Course Section	Y			Y	
30055 - ContractedInstructionalStaffFTEExtension	Number Contract Staff by Program Intent	Staff		Y			
30060 - PayrollExtension	Staff Pay	Staff		Y			
30310 - LeaveEvent	Staff Leave Event	Staff	Y				
<i>30310 - OpenStaffPosition</i>	<i>Open Staff Position(s)</i>	<i>Staff</i>					
30040 - CredentialFieldDescriptor	Teacher Fields of Certification	Staff	Y				
<b>InterchangeStudentAttendanceExtension</b>							
42520 - AttendanceEvent	Student Daily Attendance	Student	Y				
42400 - BasicReportingPeriodAttendanceExtension	Student Basic Attendance by Reporting Period	Student				Y	
42401 - SpecialProgramsReportingPeriodAttendanceExtension	Student Special Programs Attendance by Reporting Period	Student				Y	Y



Complex Type	Description	Category	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
<b>InterchangeStudentDisciplineExtension</b>							
44425 - DisciplineIncident	Disciplinary Incident	Student	Y			Y	
44425 - StudentDisciplineIncidentAssociationExtension	Student Disciplinary Incident	Student	Y			Y	
44425 - DisciplineActionExtension	Student Disciplinary Action	Student	Y			Y	
44425 - BehaviorDescriptor	Categories of Behavior	Student	Y				
44425 - DisciplineDescriptor	Type of Action or Removal	Student	Y				
<b>InterchangeStudentGrade</b>							
<i>47010 - ReportCard</i>	<i>Student Grades for Courses Taken</i>	<i>Student</i>					
47010 - Grade	Student Course Grades	Student	Y				
<i>47010 - StudentCompetency</i>	<i>Student Competency Assessed Against Specific Learning Objective</i>	<i>Student</i>					
<i>47010 - Diploma</i>	<i>Graduates</i>	<i>Student</i>					
<i>47010 - CompetencyLevelDescriptor</i>	<i>Assessed Competencies</i>	<i>Student</i>					
<i>47010 - LearningObjective (InterchangeStudentGradeExtension)</i>	<i>Course Learning Objectives</i>	<i>Student</i>					
<i>47010 - StudentCompetencyObjective</i>	<i>Additional Student Competencies for Student Achievement</i>	<i>Student</i>					
<b>InterchangeStudentTranscriptExtension</b>							
43415 - StudentAcademicRecord	Cumulative Record of Academic Achievement for a Student	Student	Y			Y	Y
43415 - CourseTranscriptExtension	Student Course Completion	Student	Y			Y	Y
43415 / 10050 / 50300 – SectionExtension	Course Sections	Student				Y	Y

Complex Type	Description	Category	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
<b>InterchangeStudentProgramExtension</b>							
40110 - StudentProgramExtension	Student Programs	Student		Y		Y	Y
40110 - StudentProgramAssociation	Student Program Participation	Student	Y				
40110 - StudentBilingualProgramAssociationExtension	Student BIL Program	Student	Y				
41169 - StudentCTEProgramAssociationExtension	Student CTE Program	Student	Y	Y			
40110 - StudentESLProgramAssociationExtension	Student ESL Program	Student	Y				
42408 - StudentESYProgramAssociationExtension	Student ESY Program	Student					Y
41163 - StudentSpecialEdProgramAssociationExtension	Student Special Ed Program	Student	Y	Y		Y	
41461 - StudentTitleIPartAProgramAssociationExtension	Student Title I Part A Program	Student	Y	Y		Y	
40110 - ServiceDescriptor	Services provided to populations of students associated with a program	Student	Y				

Complex Type	Description	Category	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
<b>InterchangeAssessmentMetadata</b>							
<i>60010 - AssessmentFamily</i>	<i>Association of Assessments that Share a Common Purpose, Heritage, or Content Standard</i>	<i>Assessment</i>					
60010 - AssessmentExtension	Measure Student’s Competence, Knowledge, Skills or Behavior	Assessment	Y				
60010 - AssessmentPeriodDescriptor	Period Assessment is Administered	Assessment	Y				
60010 - PerformanceLevelDescriptor	Thresholds for Assessment Performance	Assessment	Y				
60010 - ObjectiveAssessment	Subtests that Assess Specific Learning Objectives	Assessment	Y				
60010 - AssessmentItem	Single Measures that Make Up an Assessment	Assessment	Y				
60010 - LearningObjective	Course Learning Objectives	Assessment	Y				
<i>60010 - LearningStandardExtension</i>	<i>Statement of the Expectation of a Student’s Proficiency</i>	<i>Assessment</i>					<i>Learning standards will be loaded by TEA for all LEAs using TEKS.</i>
<b>InterchangeStudentAssessment</b>							
46010 - StudentReference	Reference to the Student	Student	Y				
46010 - AssessmentReference	Reference to the Assessment	Student	Y				
46010 - StudentAssessment	Assessment Scoring	Student	Y				
46010 - StudentObjectiveAssessment	Student Raw Score for Objective Assessment	Student	Y				
46010 - StudentAssessmentItem	Assessment Response	Student	Y				

Complex Type	Description	Category	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
<b>InterchangeStudentCohort</b>							
70010 - Cohort	Designated Students for Tracking, Analysis, or Intervention	Cohort	Y				
70010 - StudentCohortAssociation	Student's Cohort Designation	Cohort	Y				
70010 - StaffCohortAssociation	Staff Associated with a Cohort of Students	Cohort	Y				
<b>InterchangeSSAOrganizationAssociationExtension</b>							
10011 - SSAOrgAssociationExtension	Shared Service Arrangement Fiscal Agent	Education Organization		Y	Y		
<b>InterchangeFinanceExtension</b>							
20032 - ActualExtension	Educational Organization's Actuals	Finance				Y	
20030 - BudgetExtension	Educational Organization's Budget	Finance		Y			
20033 - SharedServiceArrangementExtension	Shared Service Arrangement Members	Finance				Y	
<b>InterchangeStudentRestraintEventExtension</b>							
45435 - RestraintEventExtension	Student Restraint Event	Student					Y

## Data Category with Associated Complex Types Chart

The following chart provides a list of the complex types and associated interchange schema(s) by data category for the indicated data collections. In order for an LEA to load data into the EDW, the interchange schema(s) and associated complex types for the TSDS Collection must be submitted. Data rows that are in gray and italicized represent complex types that are part of the Ed-Fi Core Schema, but not for Texas use at this time.

Complex Type	Description	Interchange Schema	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
<b>Education Organization Category</b>							
<i>10000 - StateEducationAgency</i>	<i>State Education Agency</i>	<i>InterchangeEducationOrganizationExtension</i>					
10005 - EducationServiceCenter	Education Service Center	InterchangeEducationOrganizationExtension		Y	Y		
10010 - LocalEducationAgencyExtension	School District and Charter Schools	InterchangeEducationOrganizationExtension	Y	Y	Y	Y	Y
10011 - SSAOrgAssociationExtension	Shared Service Arrangement Fiscal Agent	InterchangeSSAOrganizationAssociationExtension		Y	Y		
10020 - SchoolExtension	Campus	InterchangeEducationOrganizationExtension	Y	Y	Y	Y	Y
<i>10021 - FeederSchoolAssociation</i>	<i>Feeder Campus</i>	<i>InterchangeEducationOrganizationExtension</i>					
10025 - ResidentialFacilityExtension	Residential Facility	InterchangeEducationOrganizationExtension	Y				
10030 - Location	Education Organization Location	InterchangeEducationOrganizationExtension	Y				
10040 - ClassPeriod	Class Periods	InterchangeEducationOrganizationExtension	Y			Y	
<i>10050 - BellSchedule</i>	<i>Campus Bell Schedule</i>	<i>InterchangeMasterScheduleExtension</i>					
10050 - SectionExtension	Course Sections	InterchangeMasterScheduleExtension	Y			Y	Y
10050 - CourseOffering	Campus Course Offerings	InterchangeMasterScheduleExtension	Y			Y	Y
<i>10050 - MeetingTime</i>	<i>Meeting time for the class</i>	<i>InterchangeMasterScheduleExtension</i>					
10070 - Course	Campus Course Section	InterchangeEducationOrganizationExtension	Y	Y		Y	Y
<i>10080 - CompetencyLevelDescriptor</i>	<i>Assessed Competencies</i>	<i>InterchangeEducationOrganizationExtension</i>					
10090 - Program	Programs	InterchangeEducationOrganizationExtension	Y				
10200 - Session	Prescribed Span of Time for an Education Organization	InterchangeEducationOrgCalendar	Y				
<i>10200 - AcademicWeek</i>	<i>Academic Weeks for School Year</i>	<i>InterchangeEducationOrgCalendar</i>					
10200 - CalendarDateExtension	Day in the School Calendar	InterchangeEducationOrgCalendar	Y			Y	
10200 - GradingPeriod	Time span for Reporting Grades	InterchangeEducationOrgCalendar	Y				
10200 - ReportingPeriodExtension	Time Period for Attendance	InterchangeEducationOrgCalendar					Y

Complex Type	Description	Interchange Schema	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
<b>Finance Category</b>							
20030 - BudgetExtension	Educational Organization's Budget	InterchangeFinanceExtension		Y			
20032 - ActualExtension	Educational Organization's Actuals	InterchangeFinanceExtension			Y		
20033 - SharedServiceArrangementExtension	Shared Service Arrangement Members	InterchangeFinanceExtension			Y		
<b>Staff Category</b>							
30040 - StaffExtension	Staff ID and Demographics	InterchangeStaffAssociationExtension	Y	Y		Y	
30040 - CredentialFieldDescriptor	Teacher Fields of Certification	InterchangeStaffAssociationExtension	Y				
30050 - StaffEducationOrgEmploymentAssociationExtension	Staff Employment - Payroll Summary	InterchangeStaffAssociationExtension	Y	Y		Y	
30055 - ContractedInstructionalStaffFTEExtension	Number Contract Staff by Program Intent	InterchangeStaffAssociationExtension		Y			
30060 - PayrollExtension	Staff Pay	InterchangeStaffAssociationExtension		Y			
30090 - StaffResponsibilitiesExtension	Staff Responsibility	InterchangeStaffAssociationExtension		Y			
30305 - StaffEducationOrgAssignmentAssociationExtension	Staff associated with their responsibilities within the LEA and/or school	InterchangeStaffAssociationExtension	Y				
30305 - TeacherSectionAssociationExtension	Teacher Section Assignment	InterchangeStaffAssociationExtension	Y			Y	
30310 - TeacherExtension	Staff Responsibility –Instructional Staff only	InterchangeStaffAssociationExtension	Y				
<i>30310 - StaffProgramAssociation</i>	<i>Staff Associated with a Program</i>	<i>InterchangeStaffAssociationExtension</i>					
30310 - LeaveEvent	Staff Leave Event	InterchangeStaffAssociationExtension	Y				
<i>30310 - OpenStaffPosition</i>	<i>Open Staff Position(s)</i>	<i>InterchangeStaffAssociationExtension</i>					
30310 - TeacherSchoolAssociation	Teacher Campus of Service	InterchangeStaffAssociationExtension	Y				

Complex Type	Description	Interchange Schema	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
<b>Student Category</b>							
40100 - StudentExtension	Student ID and Demographics	InterchangeStudentExtension	Y	Y		Y	Y
40110 - StudentSchoolAssociationExtension	Campus Enrollment and Withdrawal	InterchangeStudentEnrollmentExtension	Y	Y		Y	Y
40110 - StudentSectionAssociation	Student Section Enrollment	InterchangeStudentEnrollmentExtension	Y			Y	Y
40110 - StudentProgramExtension	Student Programs	InterchangeStudentProgramExtension		Y		Y	Y
40110 - StudentProgramAssociation	Student Program Participation	InterchangeStudentProgramExtension	Y				
40110 - StudentBilingualProgramAssociationExtension	Student BIL Program	InterchangeStudentProgramExtension	Y				
40110 - StudentESLProgramAssociationExtension	Student ESL Program	InterchangeStudentProgramExtension	Y				
40110 - ServiceDescriptor	Services provided to populations of students associated with a program	InterchangeStudentProgramExtension	Y				
40115 - StudentResidentialFacilityAssociationExtension	Student Residential Facility Association	InterchangeStudentEnrollmentExtension	Y				
40170 - CareerAndTechnicalEducationCourseExtension	Student Career and Technical Education (CTE) Course	InterchangeStudentEnrollmentExtension		Y			
40203 - SchoolLeaverExtension	Student leavers in grades 7-12 during the prior school year	InterchangeStudentEnrollmentExtension		Y			
41169 - StudentCTEProgramAssociationExtension	Student CTE Program	InterchangeStudentProgramExtension	Y	Y			
41163 - StudentSpecialEdProgramAssociationExtension	Student Special Ed Program	InterchangeStudentProgramExtension	Y	Y		Y	
41461 - StudentTitleIPartAProgramAssociationExtension	Student Title I Part A Program	InterchangeStudentProgramExtension	Y	Y		Y	

Complex Type	Description	Interchange Schema	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
42400 - BasicReportingPeriodAttendanceExtension	Student Basic Attendance by Reporting Period	InterchangeStudentAttendanceExtension				Y	
42401 - SpecialProgramsReportingPeriodAttendanceExtension	Student Special Programs Attendance by Reporting Period	InterchangeStudentAttendanceExtension			Y	Y	
42520 - AttendanceEvent	Student Daily Attendance	InterchangeStudentAttendanceExtension	Y				
42408 - StudentESYProgramAssociationExtension	Student ESY Program	InterchangeStudentProgramExtension					Y
43415 - CourseTranscriptExtension	Student Course Completion	InterchangeStudentTranscriptExtension	Y			Y	Y
43415 - StudentAcademicRecord	Cumulative Record of Academic Achievement for a Student	InterchangeStudentTranscriptExtension	Y			Y	Y
43415 - StudentSchoolAssociationExtension	Campus Enrollment and Withdrawal	InterchangeStudentEnrollmentExtension	Y	Y		Y	Y
43415 - SectionExtension	Course Sections	InterchangeMasterScheduleExtension	Y			Y	Y
44425 - StudentDisciplineIncidentAssociationExtension	Student Disciplinary Incident	InterchangeStudentDisciplineExtension	Y			Y	
44425 - DisciplineActionExtension	Student Disciplinary Action	InterchangeStudentDisciplineExtension	Y			Y	
44425 - DisciplineIncident	Disciplinary Incident	InterchangeStudentDisciplineExtension	Y			Y	
44425 - BehaviorDescriptor	Categories of Behavior	InterchangeStudentDisciplineExtension	Y				
44425 - DisciplineDescriptor	Type of Action or Removal	InterchangeStudentDisciplineExtension	Y				
45435 - RestraintEventExtension	Student Restraint Event	InterchangeStudentRestraintEventExtension				Y	
46010 - StudentReference	Reference to the Student	InterchangeStudentAssessment	Y				
46010 - AssessmentReference	Reference to the Assessment	InterchangeStudentAssessment	Y				
46010 - StudentAssessment	Assessment Scoring	InterchangeStudentAssessment	Y				
46010 - StudentObjectiveAssessment	Student Raw Score for Objective Assessment	InterchangeStudentAssessment	Y				
46010 - StudentAssessmentItem	Assessment Response	InterchangeStudentAssessment	Y				



Complex Type	Description	Interchange Schema	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
<i>47010 - ReportCard</i>	<i>Student Grades for Courses Taken</i>	<i>InterchangeStudentGradeExtension</i>					
47010 - Grade	Student Course Grades	InterchangeStudentGradeExtension	Y				
<i>47010 - StudentCompetency</i>	<i>Student Competency Assessed Against Specific Learning Objective</i>	<i>InterchangeStudentGradeExtension</i>					
<i>47010 - Diploma</i>	<i>Graduates</i>	<i>InterchangeStudentGradeExtension</i>					
<i>47010 - GradebookEntry</i>	<i>Teacher's Assessment</i>	<i>InterchangeStudentGradeExtension</i>					
<i>47010 - StudentGradebookEntry</i>	<i>Student Grade or Competency Level</i>	<i>InterchangeStudentGradeExtension</i>					
<i>47010 - CompetencyLevelDescriptor</i>	<i>Assessed Competencies</i>	<i>InterchangeStudentGradeExtension</i>					
<i>47010 - LearningObjective (InterchangeStudentGradeExtension)</i>	<i>Course Learning Objectives</i>	<i>InterchangeStudentGradeExtension</i>					
<i>47010 - StudentCompetencyObjective</i>	<i>Additional Student Competencies for Student Achievement</i>	<i>InterchangeStudentGradeExtension</i>					
48010 - GraduationPlan	Student Graduation Plan	InterchangeStudentEnrollmentExtension	Y				
48011 - StudentGraduationProgramExtension	Students that are pursuing or have completed a graduation program such as the FHSP.	InterchangeStudentEnrollmentExtension		Y		Y	
49010 - Parent	Student's Parent Information	InterchangeStudentParentExtension	Y				
49019 - StudentParentAssociation	Relates Students to Parents	InterchangeStudentParentExtension	Y				

Complex Type	Description	Interchange Schema	TSDS	PEIMS			
				1 Fall	2 MY	3 Sum	4 EY
<b>Campus Course Section Category</b>							
50300 - SectionExtension	Course Sections	InterchangeMasterScheduleExtension	Y			Y	Y
50300 - StudentSectionAssociation	Student Section Enrollment	InterchangeStudentEnrollmentExtension	Y			Y	Y
50300 - TeacherSectionAssociationExtension	Teacher Section Assignment	InterchangeStaffAssociationExtension	Y			Y	
<b>Assessment Category</b>							
<i>60010 - AssessmentFamily</i>	<i>Association of Assessments that Share a Common Purpose, Heritage, or Content Standard</i>	<i>InterchangeAssessmentMetadata</i>					
60010 - AssessmentExtension	Measure Student's Competence, Knowledge, Skills or Behavior	InterchangeAssessmentMetadata	Y				
60010 - AssessmentPeriodDescriptor	Period Assessment is Administered	InterchangeAssessmentMetadata	Y				
60010 - PerformanceLevelDescriptor	Thresholds for Assessment Performance	InterchangeAssessmentMetadata	Y				
60010 - ObjectiveAssessment	Subtests that Assess Specific Learning Objectives	InterchangeAssessmentMetadata	Y				
60010 - AssessmentItem	Single Measures that Make Up an Assessment	InterchangeAssessmentMetadata	Y				
60010 - LearningObjective	Course Learning Objectives	InterchangeAssessmentMetadata	Y				
<i>60010 - LearningStandardExtension</i>	<i>Statement of the Expectation of a Student's Proficiency</i>	<i>InterchangeAssessmentMetadata</i>					
<b>Cohort Category</b>							
70010 - Cohort	Designated Students for Tracking, Analysis, or Intervention	InterchangeStudentCohort	Y				
70010 - StaffCohortAssociation	Staff Associated with a Cohort of Students	InterchangeStudentCohort	Y				
70010 - StudentCohortAssociation	Student's Cohort Designation	InterchangeStudentCohort	Y				

<b>2019-2020 Submission and Resubmission Timelines</b>	
<b>TSDS Collections</b>	
<b>TSDS ready to load data to eDM</b>	<b>August 5, 2019</b>
<b>TSDS PEIMS Collections</b>	
<b>All TSDS PEIMS Collections ready for users to load data to eDM</b>	<b>August 5, 2019</b>
<b>All TSDS PEIMS Collections ready for users to promote data</b>	<b>August 5, 2019</b>
<b>PEIMS Fall (Submission 1)</b>	
<b>Close of school-start window - Last Friday in September</b>	<b>September 27, 2019</b>
<b>PEIMS Fall snapshot date</b>	<b>October 25, 2019</b>
<b>TSDS PEIMS ready for users to complete, approve, and accept submissions</b>	<b>October 28, 2019</b>
<b>Requests to retire Unique IDs due at TEA</b>	<b>November 29, 2019</b>
<b>First submission due date for LEAs and ESCs</b>	<b>December 5, 2019</b>
<b>Requests to retire Unique IDs due at TEA</b>	<b>January 10, 2020</b>
<b>Resubmission due date for LEAs and ESCs</b>	<b>January 16, 2020</b>
<b>Data available to customers</b>	<b>February 13, 2020</b>
<b>PEIMS Midyear (Submission 2)</b>	
<b>TSDS PEIMS ready for users to complete, approve, and accept submissions</b>	<b>December 9, 2019</b>
<b>First submission due date for LEAs and ESCs</b>	<b>January 23, 2020</b>
<b>Resubmission due date for LEAs and ESCs</b>	<b>February 6, 2020</b>
<b>Data available to customers</b>	<b>February 27, 2020</b>
<b>PEIMS Summer (Submission 3)</b>	
<b>TSDS PEIMS ready for users to complete, approve, and accept submissions</b>	<b>May 18, 2020</b>
<b>Requests to retire Unique IDs due at TEA</b>	<b>June 12, 2020</b>
<b>First submission due date for LEAs</b>	<b>June 18, 2020</b>
<b>Requests to retire Unique IDs due at TEA</b>	<b>July 10, 2020</b>
<b>Resubmission due date for LEAs*</b>	<b>July 16, 2020 *</b>
<b>Data available to customers</b>	<b>September 17, 2020</b>
<b>PEIMS Extended Year (Submission 4)</b>	
<b>TSDS PEIMS ready for users to complete, approve, and accept submissions</b>	<b>August 5, 2020</b>
<b>Requests to retire Unique IDs due at TEA</b>	<b>August 21, 2020</b>
<b>First submission due date for LEAs</b>	<b>August 27, 2020</b>
<b>Requests to retire Unique IDs due at TEA</b>	<b>September 11, 2020</b>
<b>Resubmission due date for LEAs*</b>	<b>September 17, 2020</b>
<b>Data available to customers</b>	<b>October 15, 2020</b>
<b>Early Childhood Data System Collection (ECDS) - (Kindergarten Submission)</b>	
<b>ECDS Kindergarten ready for users to promote data</b>	<b>August 5, 2019</b>
<b>ECDS Kindergarten submission due date for LEAs</b>	<b>January 30, 2020</b>
<b>ECDS Kindergarten data available to customers</b>	<b>February 13, 2020</b>
<b>Early Childhood Data System Collection (ECDS) - (Pre-kindergarten Submission)</b>	
<b>ECDS Pre-kindergarten ready for users to promote data</b>	<b>August 5, 2019</b>
<b>ECDS Pre-kindergarten submission due date for LEAs</b>	<b>July 16, 2020</b>
<b>ECDS Pre-kindergarten data available to customers</b>	<b>July 30, 2020</b>

<b>Residential Facility Tracker (RF Tracker) Collection</b>	
<b>RF Tracker ready for users to promote data</b>	<b>August 5, 2019</b>
<b>RF Tracker submission due date for LEAs</b>	<b>July 30, 2020</b>
<b>RF Tracker data available to customers</b>	<b>August 13, 2020</b>
<b>State Performance Plan Indicator 14 (SPPI-14) Collection</b>	
<b>SPPI-14 ready for users to promote data</b>	<b>August 5, 2019</b>
<b>SPPI-14 submission due date for LEAs</b>	<b>February 27, 2020</b>
<b>SPPI-14 data available to customers</b>	<b>March 12, 2020</b>

\* *LEAs registered with TEA with year-round tracks ending later than June 18, 2020 may delay Summer resubmission until two weeks following completion of the latest year-round track or August 13, 2020, whichever comes first. However, the initial data delivery for submission 3 must still be made by June 18, 2020, for all LEAs. In no case will any resubmission be processed after August 13, 2020. Data Corrections made after August 13, 2020 will be processed by State Funding.*

## Data Submission Responsibilities

### Local Education Agency Responsibilities

Local Education Agencies are responsible for:

1. Submitting current, complete, and accurate data for all xml complex types required for each PEIMS Submission (the Dashboard data collection is optional);
2. Validating data per business rules and validations;
3. Correcting all errors during the data validation process in a timely manner; and
4. Delivering “fatal-free” corrected PEIMS Submission data on or before the due dates set by their ESCs and TEA.

ESCs may establish earlier due dates to allow sufficient submission time to process and approve LEA data before the TEA deadline for each PEIMS Submission (see the *Submission and Resubmission Timelines*). ESCs approve “fatal free” LEA data only and will notify LEAs when their data have been approved and made available to TEA for further processing.

**Superintendents** are responsible for submitting the electronic "Superintendent's Statement of Approval of Summary Report and Error Listing" (SOA) for each PEIMS Submission and resubmission based on the final review of the LEA's PEIMS data file.

The electronic signature (SOA) certifies:

1. The LEA has submitted all required PEIMS data with zero fatal errors;
2. The LEA has verified the accuracy and the authenticity of the PEIMS data submitted for the collection;
3. The PEIMS data presented in the summary reports and all warning messages in the validation error listing have been reviewed for accuracy; and
4. The accuracy and authenticity of the PEIMS data submitted for the collection.

The electronically signed form is stored on a secured TEA server and a copy is emailed to the superintendent and to the LEA and ESC PEIMS Coordinators.

### PEIMS Submission and Resubmission Policy

**Local education agencies are required to send complete and accurate PEIMS data, free of fatal errors, by the first submission deadline for each data submission as specified in the *Submission and Resubmission Timelines*.**

The PEIMS data must be approved by the superintendent and accepted by the LEA's Education Service Center PEIMS Coordinator before it can be accepted by TEA.

Failure to submit PEIMS data for a collection will result in the LEA being referred to the TEA General Counsel for further action. LEAs may also be subject to Texas Administrative Code (TAC) 19 97.1055 (b)(2)(A)(ii) if the first submission is complete and received.

LEAs are not required to send a resubmission PEIMS data file. The period between the first submission and the resubmission deadlines is an extension provided to all LEAs to review their original submission for any errors and make corrections.

If an LEA does not submit a file during the resubmission window, or if the file is not free of fatal errors, TEA will use the PEIMS data sent for the first submission.

Immediately following the closure of a collection, the approved PEIMS data is loaded to TEA databases and made available to agency staff for state and federal reporting. TEA programs use PEIMS data to create products such as Standard Reports and Core products, accountability reports, dropout reports, *Snapshot*, TAPR reports, and School Report Cards. Any PEIMS data not submitted by the submission or resubmission deadlines are excluded from these important products.

All LEAs must meet the published First Submission deadline for Submission 3. Resubmissions for Submission 3

are due by the published deadline, with the single exception of LEAs operating year-round schools. An LEA that provides year-round education can delay its one resubmission until two weeks following the end of its latest year-round school track, or until August 13, 2020, whichever comes first.

### **ESC Contacts**

Questions concerning the TSDS Texas Education Data Standards (TEDS) or any of the above topics must be submitted through the TSDS Incident Management System (TIMS). Direct phone calls and emails may be redirected to the TSDS TIMS application.

### **Education Service Center Responsibilities**

ESCs are responsible for:

1. Assisting LEAs with their PEIMS data submissions to the TSDS PEIMS system in order to meet published deadlines;
2. Using data validation rules and PEIMS reports in the TEDS to review data submitted by LEAs;
3. Verifying that LEA submissions contain PEIMS data for all categories required by the collections;
4. Insuring that all fatal errors are corrected;
5. Approving the PEIMS data in the format specified in this section, by the specified due dates for each collection;
6. Notifying LEAs when the LEA PEIMS data have been approved and made available for further processing by TEA;
7. Submitting current, complete, and accurate ESC PEIMS data for all applicable categories required for the Fall and Midyear Collections;
8. Validating ESC PEIMS data per the data validation rules in the TEDS; and
9. Delivering "fatal-free" corrected PEIMS data on or before the due dates set by TEA.

**ESC Executive Directors** are responsible for submitting the electronic "Superintendent's Statement of Approval of Summary Report and Error Listing" (SOA) for each submission and resubmission based on the final review of the ESCs PEIMS data file.

The electronic signature (SOA) certifies:

1. The ESC has submitted all required PEIMS data with zero fatal errors;
2. The ESC has verified the accuracy and the authenticity of the PEIMS data submitted for the collection;
3. The PEIMS data presented in the summary reports and all warning messages in the validation error listing have been reviewed for accuracy; and
4. The accuracy and authenticity of the PEIMS data submitted for the collection.

The electronically signed form is stored on a secured TEA server and a copy is emailed to the executive director and ESC PEIMS Coordinators.

To facilitate accuracy and timely PEIMS data delivery, the ESCs

1. Explain the overall data collection requirements for PEIMS and Unique ID Database (UID) Enrollment Tracking to LEA personnel;
2. Train LEAs to adequately meet the PEIMS data submission requirements; and
3. Train LEA personnel on TSDS Unique ID error corrections in order to meet ensure that accurate student and staff identity and demographic information is submitted.

The ESC training covers:

1. Overall data flow;
2. Delivery schedules;
3. Data element definitions and reporting requirements;
4. Data submission formats;
5. Data validation requirements;
6. Correction cycles;

7. Approval of the summary report and error listing;
8. Operations of the Education Data Warehouse (EDW) data collection system;
9. Operations of the UID Enrollment Tracking system; and
10. TSDS Unique ID corrections.

The ESCs play a consulting role to assist LEAs in preparing the PEIMS data submissions and to ensure data quality and compliance with the schedules. The ESCs designate a contact person and an alternate who coordinate ESC assistance by:

1. Answering questions about the Texas Education Data Standards;
2. Organizing the data submission schedules (PEIMS and UID Enrollment Tracking);
3. Answering questions about the validation and summary reports;
4. Organizing the error correction schedule; and
5. Initiating final approval of the LEA's submission to TEA.

### **Special Instructions for Shared Services Arrangements**

An ESC that serves as a fiscal agent for a shared services arrangement reports the data for the shared services arrangement. The instructions for reporting shared services arrangement data found in Section 2.2 also apply for ESC fiscal agents.

### **Texas Education Agency Responsibilities**

The Texas Education Agency is responsible for:

1. Facilitating the instructional process;
2. Explaining the overall data requirements to ESC personnel; and
3. Assisting ESCs in understanding the data requirements.
4. Supporting the ESCs during the PEIMS Submissions.

To facilitate the data validation process, TEA provides the ESCs, PEIMS software vendors, and LEAs with a standard data validation and reporting system. The Ed-Fi Core and Texas Core Extension XML Schemas and validation reports, available through the Education Data Warehouse (EDW), ensure consistent use of business rules for data validation. Changes or additions to the TEDS can be incorporated through modifications to the business rules.

Specifically, TEA provides:

- A common XML schema
- Data reporting requirements
- Data Validation criteria
- Code tables
- Data Validation Reports and
- User documentation and training to each Regional ESC.

There are three data validation error levels:

1. Fatal error - Indicates a critical error in the data. Neither an LEA nor an ESC can mark "complete" a file with fatal error(s). A file with a fatal error(s) will not be accepted by TEA for a PEIMS collection and must be corrected.
2. Special warning error - Indicates a discrepancy in the data that must be scrutinized carefully. In unusual situations, the data is correct.
3. Warning error - Indicates a possible error or inconsistency. A Warning error must be reviewed for data accuracy.

## **The Education Data Warehouse**

The Education Data Warehouse (EDW) is a single resource for Texas local education agencies, campuses and Education Service Centers to upload their data in a standard format for use with multiple applications.

PEIMS is a web-based application through which LEAs, campuses, and ESCs submit their data for state reporting from the EDW, generate reports, review, validate, and certify the data for mandatory state reporting.

The PEIMS Data Mart is used to:

1. Generate the LEA's data from the EDW that is required for state reporting,
2. Generate validation reports,
3. Determine fatal errors,
4. Derive data for state reporting,
5. And establish consistent identification and demographic information through matching reported data values to the UID.

## **Access to PEIMS**

The PEIMS application is only available to authorized LEA, campus, and ESC staff. A TEA issued logon is required to access the application.

Only Superintendents or persons acting in the role and responsibility of a Superintendent may certify a PEIMS submission through the electronic Statement of Approval (SOA). This responsibility may not be delegated or shared with another person who is not the superintendent or who is not acting in the role with the responsibility of a superintendent of the LEA.