



Texas
Student
Data
System

Texas Education Data Standards (TEDS)

Public Education Information Management System (PEIMS)

Section 8.6 PEIMS XML Reporting Guidelines

Final Draft Version 2014.F.1.1

May 8, 2012

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XML REPORTING GUIDELINES

Overview

The XML interchange schemas described in the following sections function as models for describing the data structures being transmitted to the Education Data Warehouse (EDW) for the PEIMS collections. This includes:

- the sequence in which elements appear;
- the interrelationship between different elements, including parent and child relationships and nesting levels; and
- the types of data that are contained in elements or attributes.

The Texas Education Data Standards (TEDS) provides information on the data elements, coded variables, and schema for use by the districts and vendors of local information systems for the development and maintenance of the dashboards and PEIMS extract file processes.

Requirements for 2013 – 2014 PEIMS XML Pilot

Beginning with the 2013-14 school year the Education Data Warehouse (EDW) will be available to school districts and ESC's statewide for data transmission, local dashboard reports, and PEIMS data submission. Districts will have from 2013-14 through 2014-15 to convert their PEIMS file submission to XML format required for loading the EDW, and test the results. By the 2015-2016 school year, all districts will be required to submit their PEIMS collection through the EDW.

In order to ensure that all districts and their software vendors are prepared to submit an accurate XML collection by the required date, all districts, open enrollment charter schools, and education service centers are required to successfully pilot at least one PEIMS file submission no later than August 31, 2015.

To pilot an XML data submission, the district must submit the required PEIMS data to the EDW in parallel with their regular PEIMS file submission. For the purpose of the pilot, the XML will be used to generate reports for comparison purposes only. It will not be accepted in lieu of the district's regular PEIMS submission. The approved PEIMS submission for the Pilot will be the standard file submitted by the district through Edit+.

The Texas Education Agency strongly recommends that all districts review their pilot reports carefully to ensure that the EDW PEIMS submission produces the same results as the district's EDIT+ file, and make use of the XML Checker Utility to review any errors. Districts and campuses that significantly customize their local software are especially encouraged to work closely with their software vendor to ensure that the EDW PEIMS submission yields the same results as their Edit+ submission.

Requirements for District Software Vendors 2013 – 2014 XML Pilot

In order for districts to be able to pilot their EDW PEIMS submission, all district software vendors must be prepared to generate EDW PEIMS data transmissions for all collections using the data formats documented for the 2013-2014 Data Collection, no later September 1, 2013.

Early Notice of Requirements for 2015 – 2016 XML Data Submission

Beginning with the 2015-2016 school year, *all* school districts, open enrollment charter schools, and education service centers will be required to transmit all data for the Public Education Information Management System (PEIMS) to the EDW using the approved transmission formats documented in the PEIMS 2015-16 Data Standards. The Edit+ system will no longer accept PEIMS file submissions.

Edits and Validations

The PEIMS Data Standards XML schema ensures that the data files from school districts adhere to a common structure and consist of valid elements and attributes. An XML extract file must be syntactically perfect or it is rendered as unacceptable by an XML parser.

Restrictions control acceptable values for XML data elements. In combination with an element's declared data type, restrictions enable the XSD validation process not only to validate the structure of the XML file but also to validate the data values contained within the file against its XML schema definition. The XML schema also enforces length restrictions for a given element by either an exact length, minimum length, or maximum length. Many simple type elements within the PEIMS XSD have a restriction that limits the domain of acceptable values.

PEIMS Data and File Requirements

Rules for XML Schemas

School districts submit Budget, Staff, Student and Actual data to TEA using the XML-based extract file process. The extract file process extracts information from district information systems and stores it in an XML-based file consistent with the **XML Schema Definition (XSD)** listed in sections 7-11 of the PEIMS Data Standards.

- Every element within the XSD has a defined data type and one or more restrictions.
- PEIMS performs a client-side validation of the PEIMS extract file against the published PEIMS XSD using the "XML Checker" tool that can be downloaded from the EDIT+ webpage.
- If the client-side validation fails, the file will not be transferred to TEA.

Each collection will be comprised one or more interchange schemas that reference the Ed-Fi Core and Texas Core Extension schemas.

The Ed-Fi Core schema is comprised of complex types that are used in more than one collection and where all the data elements and simple types are defined. This data will be loaded to the EDW.

The Texas Core Extension schema is comprised of state specific complex types that are used in more than one collection and where all data elements and simple types are defined.

When the district authorizes the submission of the data in the EDW to TEA for the PEIMS Collection, a frozen copy of the data required for PEIMS will be created for further validation and certification.