

## Section 2 - TReX Data Element Descriptions

### Introduction

TReX is a web-based application using an Extensible Markup Language (XML) schema, which is a defined structure based on standard tag-based formatting instructions. XML applications work with a schema to allow institutions to transfer data in a format (extract file) that will be understood between varying applications.

An XML schema is comprised of elements, also known as data elements. Elements can be blank, required, or optional as specified by the schema. Elements also can be repeated if declared in the schema. An example of this type of data element is a course grade. Other elements can be limited to a single instance by the schema. An example of this type of data element is the student name.

Data elements that are shown as coded, refer to enumerated values for data types within the schema, which is similar to using a code table. These are included in or defined as part of an XML Simple Type. To reuse common data elements (such as Address, City, StateProvince and PostalCode), simple types are grouped within a Complex Type. A data element is further defined by the related complex type within the schema.

This section describes each of the TReX data elements. A legend of the information found on each data element definition follows:

<b>Information</b>	<b>Description</b>
Common Name	Common name of the element, many of which follow PEIMS and AAR standards
XML Name	XML name or tag for the data element as found in the XML schema
Complex Type	Name of the related XML complex type as found in the XML schema
Definition	Meaning of the data element
Special Instructions	Additional information or edit criteria for the data element, when applicable
Element ID	Unique ID assigned to the TReX data element and formatted as TE---. (Reference to PEIMS data element number in the form "E----" is included if applicable.)
Code Table ID	Unique ID assigned to the TReX code table and formatted as TC--. (Reference to a PEIMS code table that includes the same codes for this data element in the form "C----" is included if applicable.)

Information	Description	
Required?	<p>Indication whether the field is required or optional</p> <ul style="list-style-type: none"> <li>• Yes - the element is required; if the requirement is only for specific grade levels, this is noted; NA may be entered if data are not available/applicable</li> <li>• No - the element is optional and may be left blank unless specified otherwise in an edit or validation rule</li> </ul> <p><b>Note: If a field is shown as not required but data are available and relevant to the accuracy and completeness of the student record or transcript, it is the responsibility of the campus to include these data. Examples include indicators for ESL, Bilingual, GT, CTE, At Risk, Title I Part A, Special Education, IEP, Personal Graduation Plan, Migrant, and Homeless.</b></p>	
Domain of Values	The acceptable values for the data element	
Applicable Record	Record type on which the data element is located, i.e. student record and/or AAR-transcript.	
Length	Length of the data element in characters	
Type	<p>A data element is specified as one of the following:</p> <p><b>NUMERIC</b></p> <ul style="list-style-type: none"> <li>• value must be numeric characters</li> <li>• value cannot be negative</li> </ul> <p><b>TEXT</b></p> <ul style="list-style-type: none"> <li>• value may be alpha-numeric characters</li> <li>• alpha characters may be upper and/or lower case</li> <li>• may include any of the following characters, in addition to the space character:            ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # \$ % ^ &amp; * ( ) - _ + = : ; " ' , . / &lt; &gt; ?</li> <li>• may not include the following characters: \ { } [ ]  </li> </ul> <p><b>CODED</b></p> <ul style="list-style-type: none"> <li>• if a value is required, it may not contain blanks</li> <li>• corresponds to a table in Section 3 of this manual</li> </ul> <p><b>DATE</b></p> <ul style="list-style-type: none"> <li>• YMD Type – date is formatted as yyyy-mm-dd and includes year, month and day</li> <li>• YM Type – date is formatted as yyyy-mm and includes year and month only</li> </ul> <p><b>DECIMAL</b></p> <ul style="list-style-type: none"> <li>• value may be numeric characters and decimal point only</li> <li>• decimal precision is required</li> </ul>	
Pattern	Symbols found in Pattern are as follows:	
	<b>Symbol</b>	<b>Restriction on Value</b>
	*	any of the characters accepted in the name field data type
	.	decimal point
...	pattern continues without change	

Information	Description	
	#	numeric characters "0" through "9"
	mm	month
	dd	day
	yyyy	year

## Element List in Alphabetic Order

<b>Academic Achievement Record Data</b>	<b>XML Name</b>	<b>Page</b>
Academic Year	SchoolYear	2.7
Additional Test Name	AdditionalTestName	2.7
Address (Street or PO Box)	Address	2.8
Advanced Measure	AdvancedMeasure	2.8
American Indian/Alaska Native	AmericanIndianAlaskaNativeCode	2.9
Arts and Humanities Endorsement Indicator Code	ArtsEndorsementCode	2.10
Asian	AsianCode	2.10
Assessment Date	TestDate	2.11
Assessment Date Exit Requirement Met	ExitRequirementMetDate	2.11
Assessment Grade Level	TestLevel	2.12
Assessment Name	TestName	2.13
Assessment Score	TestScore	2.14
Assessment Score Code	TestCode	2.15
Assessment Subtest	SubTestName	2.15
Assessment Subtest Score	SubTestScore	2.16
At Risk Indicator	AtRisk	2.17
Bilingual Indicator	Bilingual	2.18
Black/African American	BlackAfricanAmericanCode	2.18
Business and Industry Endorsement Indicator Code	BusinessEndorsementCode	2.19
Campus Awarding Credit	CreditCampus	2.20
Campus Fax	Fax	2.21
Campus ID	SchoolID	2.21
Campus Name	SchoolName	2.22
Campus Phone	PhoneNumber	2.22
Career Tech Ed Indicator	CTE	2.23
Certification of Coursework Completion Date	CertificateDate	2.23
City	City	2.24
Class Period	ClassPeriod	2.24
Class Rank	ClassRank	2.25
College Board Campus Code	CollegeCampusCode	2.25
Country	Country	2.26
Course Abbreviation	Abbreviation	2.26
Course Category	SubjectArea	2.27
Course Credit	CourseCredit	2.27
Course Grade	CourseGrade	2.28
Course Grade Average	GradeAverage	2.28
Course Name	CourseTitle	2.29
Course Number	CourseID	2.29
Course Semester	Semester	2.30
Course Teacher	CourseTeacher	2.30
Date of Birth	BirthDate	2.31
Date of Ranking	ClassRankingDate	2.31
Disciplinary Action Code	DisciplineActionCode	2.32
Disciplinary Action End Date	DisciplineActionDate	2.33
Disciplinary Action Number	DisciplineActionNum	2.33

<b>Academic Achievement Record Data</b>	<b>XML Name</b>	<b>Page</b>
Disciplinary Action Reason	DisciplineActionReason	2.34
District ID	DistrictID	2.34
District Name	DistrictName	2.35
Dyslexia Indicator Code	Dyslexia	2.35
Economic Disadvantaged Indicator Code	EconomicDisadvantaged	2.36
ESL Indicator	ESL	2.36
Ethnicity Code	Race	2.37
FHSP Participant Code	FHSPParticipantCode	2.37
FHSP Disting Level Achieve Indicator Code	FHSPDistingIndicatorCode	2.38
Final Grade Average	FinalGradeAverage	2.38
First Name	FirstName	2.39
Foster Care Indicator Code	FosterCare	2.40
Gender Code	Gender	2.41
Generation Code	Suffix	2.41
Gifted/Talented Indicator	GiftedTalented	2.42
Grade Level	GradeLevel	2.42
Grade of Retention (PK-8)	GradeRetained	2.43
Grade Point Average	GPA	2.43
Graduation Date	GraduationDate	2.44
Graduation Program Type	GraduationDiplomaType	2.44
Hispanic/ Latino	HispanicLatinoCode	2.45
Home Language Code	Language	2.45
Homeless Indicator	Homeless	2.46
IEP (Individualized Education Program) Indicator	IEP	2.46
Immunization Date	ImmunizationDate	2.47
Immunization Dose	ImmunizationDose	2.47
Immunization Name	ImmunizationCode	2.48
Last Date of Attendance	ExitDate	2.48
Last Name	LastName	2.49
Last Withdrawal Date	WithdrawDate	2.49
LEP (Limited English Proficiency) Indicator	LEP	2.50
Local Student ID	LocalID	2.50
Middle Name	MiddleName	2.51
Migrant Indicator	Migrant	2.51
Military Connected	MilitaryConnected	2.52
Multi Disciplinary Studies Endorsement Indicator Code	MultiStudiesEndorsementCode	2.52
Native Hawaiian/Pacific Islander	NativeHawaiianPacificIslanderCode	2.53
Number in Class	ClassTotalNumber	2.53
Original Entry Date	EntryDate	2.54
Pass/Fail Credit Indicator	PassFailCredit	2.54
Performance Acknowledgment AP IB Exam	ApIbType	2.55
Performance Acknowledgment Bilingualism Biliteracy	BilingBilitType	2.56
Performance Acknowledgment Certification Licensures	CertLicType	2.57
Performance Acknowledgment College Readiness Assessment	CollegeAssessType	2.58

<b>Academic Achievement Record Data</b>	<b>XML Name</b>	<b>Page</b>
Performance Acknowledgment Dual Credit	DualCreditType	2.59
Performance Acknowledgment Met Date	MetDate	2.59
Personal Graduation Plan	PersonalGradPlan	2.60
Placed in Grade	GradePlaced	2.60
Prior ID	PriorID	2.61
Promoted to Grade	GradePromoted	2.61
Public Services Endorsement Indicator Code	PublicServicesEndorsementCode	2.62
Quartile	Quartile	2.62
Semester Sequence	SemesterSeq	2.63
Session Type	SessionType	2.63
Special Education Indicator	SpecialEd	2.64
Special Explanation Code	Explanation	2.64
Speech Requirement Date Met	SpeechMetDate	2.65
STAAR Performance Level	PerformanceLevel	2.65
State	StateProvince	2.66
STEM Endorsement Indicator Code	STEMEndorsementCode	2.67
Student ID	StudentID	2.67
Texas Grant Indicator	TexasGrant	2.68
Title I Part A Indicator	TitleI	2.68
Total Days Absent	DaysAbsent	2.69
Total Days Present	DaysAttended	2.69
TX Unique Student ID	StudentUniqueID	2.70
Unschooling Asylee/Refugee	AsyleeRefugee	2.70
White	WhiteCode	2.71
Withdrawal Course Grade	WithdrawGrade	2.71
Withdrawal Reason	WithdrawReason	2.72
Zip Code	PostalCode	2.72

Common Name		XML Name	Complex Type
PERFORMANCE-ACKNOWLEDGMENT-AP-IB-EXAMS		AplbType	AcademicStatusType
Definition			
PERFORMANCE ACKNOWLEDGMENT: ADVANCED PLACEMENT / INTERNATIONAL BACCALAUREATE EXAMS indicates the student has earned a performance acknowledgment for outstanding performance on a College Board AP test or IB examination.			
Special Instructions			
<p>The student must earn</p> <p>(1) a score of 3 or above on a College Board AP examination; or</p> <p>(2) a score of 4 or above on an IB examination.</p>			
Data Specifications			
Element ID	Code Table ID	Required?	Domain of Values
TE110	TC036	No	
Applicable Record	Length	Type	Pattern
Student Record AAR-Transcript	3	CODED	###

Common Name	XML Name	Complex Type	
PERFORMANCE-ACKNOWLEDGMENT-BILINGUALISM-BILITERACY	BilingBilitType	AcademicStatusType	
Definition			
PERFORMANCE ACKNOWLEDGMENT: BILINGUALISM / BILITERACY indicates the student has earned a performance acknowledgment for outstanding performance in a bilingualism and biliteracy.			
Special Instructions			
<p>The student must demonstrate proficiency, in accordance with local school district grading policy, in two or more languages by:</p> <p>(1) completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and</p> <p>(2) satisfying one of the following:</p> <ul style="list-style-type: none"> <li>(i) completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or</li> <li>(ii) demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or</li> <li>(iii) completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or</li> <li>(iv) demonstrated proficiency in one or more languages other than English through one of the following methods:             <ul style="list-style-type: none"> <li>(I) a score of 3 or higher on a College Board Advanced Placement examination for a language other than English; or</li> <li>(II) a score of 4 or higher on an International Baccalaureate examination for a higher-level languages other than English course; or</li> <li>(III) performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.</li> </ul> </li> </ul> <p>(3) An English language learner must also have:</p> <ul style="list-style-type: none"> <li>(A) participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and</li> <li>(B) scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).</li> </ul>			
Data Specifications			
Element ID	Code Table ID	Required?	Domain of Values
TE111	TC037	No	
Applicable Record	Length	Type	Pattern
Student Record AAR-Transcript	1	CODED	###

Common Name		XML Name	Complex Type
PERFORMANCE-ACKNOWLEDGMENT-CERTIFICATION-LICENSURES		CertLicType	AcademicStatusType
Definition			
PERFORMANCE ACKNOWLEDGMENT: CERTIFICATONS / LICENSURES indicates the student has earned a nationally or internationally recognized business or industry certification or license.			
Special Instructions			
<p>(1) A student may earn the Certifications / Licensures performance acknowledgment with:</p> <ul style="list-style-type: none"> <li>(A) performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or</li> <li>(B) performance on an examination sufficient to obtain a government-required credential to practice a profession.</li> </ul> <p>(2) Nationally or internationally recognized business or industry certification shall be defined as an industry validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional, or government entity representing a particular profession or occupation that is issued by or endorsed by:</p> <ul style="list-style-type: none"> <li>(A) a national or international business, industry, or professional organization;</li> <li>(B) a state agency or other government entity; or</li> <li>(C) a state-based industry association.</li> </ul> <p>(3) Certifications or licensures for performance acknowledgments shall:</p> <ul style="list-style-type: none"> <li>(A) be age appropriate for high school students;</li> <li>(B) represent a student's substantial course of study and/or end-of-program knowledge and skills;</li> <li>(C) include an industry recognized examination or series of examinations, an industry validated skill test, or demonstrated proficiency through documented, supervised field experience; and</li> <li>(D) represent substantial knowledge and multiple skills needed for successful entry into a high-skill occupation.</li> </ul> <p>This data element may be repeated as necessary.</p>			
Data Specifications			
Element ID	Code Table ID	Required?	Domain of Values
TE112		No	
Applicable Record	Length	Type	Pattern
Student Record AAR-Transcript	61	TEXT	*...

Common Name		XML Name	Complex Type
PERFORMANCE-ACKNOWLEDGMENT-COLLEGE-READINESS-ASSESSMENTS		CollegeAssessType	AcademicStatusType
Definition			
PERFORMANCE ACKNOWLEDGMENT: COLLEGE READINESS ASSESSMENT indicates the student has earned a performance acknowledgment for outstanding performance on the PSAT®, the ACT-PLAN®, the SAT®, or the ACT®.			
Special Instructions			
<p>The student must:</p> <ol style="list-style-type: none"> <li>(1) earn a score on the PSAT/NMSQT® that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation;</li> <li>(2) achieve the college readiness benchmark score on at least two of the four subject tests on the ACT-PLAN® examination;</li> <li>(3) earn a combined critical reading and mathematics score of at least 1250 on the SAT®; or</li> <li>(4) earn a composite score on the ACT® examination of 28 (excluding the writing subscore).</li> </ol> <p>This data element may be repeated as necessary.</p>			
Data Specifications			
Element ID	Code Table ID	Required?	Domain of Values
TE113	TC038	No	
Applicable Record	Length	Type	Pattern
Student Record AAR-Transcript	1	CODED	#

Common Name		XML Name	Complex Type
PERFORMANCE-ACKNOWLEDGMENT-DUAL-CREDIT		DualCreditType	AcademicStatusType
<b>Definition</b>			
PERFORMANCE ACKNOWLEDGMENT: DUAL CREDIT indicates the student has earned a performance acknowledgment for outstanding performance in a dual credit course.			
<b>Special Instructions</b>			
The student must have successfully completed: <ul style="list-style-type: none"> <li>(1) at least 12 hours of college academic courses with a grade of the equivalent of 3.0 or higher on a scale of 4.0, or</li> <li>(2) an associate degree while in high school.</li> </ul>			
<b>Data Specifications</b>			
Element ID	Code Table ID	Required?	Domain of Values
TE114	TC039	No	
Applicable Record	Length	Type	Pattern
Student Record AAR-Transcript	1	CODED	#

Common Name		XML Name	Complex Type
PERFORMANCE-ACKNOWLEDGEMENT-MET-DATE		MetDate	AcademicStatusType PerfAckApIbType PerfAckCollegeAssessType PerfAckBilingBilitType PerfAckCertLicType PerfAckDualCreditType
<b>Definition</b>			
PERFORMANCE-ACKNOWLEDGEMENT-MET-DATE indicates the month and year that the student attained one of the Foundation High School Program Performance Acknowledgements.			
<b>Data Specifications</b>			
Element ID	Code Table ID	Required?	Domain of Values
TE115		No	yyyy = 1957-2052 mm = 01-12
Applicable Record	Length	Type	Pattern
Student Record AAR-Transcript	7	DATE	yyyy-mm

