

EDI to TREx Mapping

<i>EDI Field</i>	<i>EDI ID</i>	<i>EDI Field Size</i>	<i>TREx Field Size</i>	<i>TREx Data Element</i>	<i>Common Name</i>	<i>Formula/Pattern</i>	<i>Notes</i>
ST01/ Transaction Set Identifier Code	143	3/3		130			
ST02/ Transaction Set Control Number	329	4/9		generated			
BGN01/ Transaction Set Purpose Code	353	2/2		00			
BGN02/ Reference Identification	127	1/30		generated			
BGN03/ Date	373	8/8		generated			
BGN04/ Time	337	4/8		generated			
BGN05/ Time Code	623	2/2		generated			
ERP01/ Transaction Type Code	640	2/2		DP			
StudentIdentification							
Social Security Number							
REF01/ Reference Identification Qualifier	128	2/3	2/2	SY			
REF02/ Reference Identification	127	1/30	1/9	TRExStudentRecord.StudentId entificationType.StudentID	Student ID	##### *...	either SY or 50
State ID							
REF01/ Reference Identification Qualifier	128	2/3	2/2	50			
REF02/ Reference Identification	127	1/30	1/9	TRExStudentRecord.StudentId entificationType.StudentID	Student ID	##### *...	if StudentID begins with an "S"
Local ID							
REF01/ Reference Identification Qualifier	128	2/3	2/2	LR			
REF02/ Reference Identification	127	1/30	1/9	TRExStudentRecord.StudentId entificationType.LocalID	Local Student ID	*...	only the student ID is required
StudentDemographics							
DMG01/ Date Time Period Format Qualifier (Format for Date of Birth)							
DMG02/ Date Time Period (Date of Birth)	1250 1251	2/3 1/35		TRExStudentRecord.StudentD emographic.BirthDate	Date of Birth	yyyy-mm- dd	
DMG03/ Gender Code	1068	1/1		TRExStudentRecord.StudentD emographic.Gender	Gender Code	*	

DMG05/ Race or Ethnicity Code	1109	1/1		TRExStudentRecord.StudentDemographic.Race	Ethnicity	#	
NTE02/ Description	352	1/80		HS GRAD TYPE=[MINIMUM,RECOMMENDED,DISTINGUISHED]	Graduation Program Type	##	
NTE02/ Description	352	1/80		ADVANCED MEASURE=[Original research/project, AP score 3 or above, B score 4 or above, Qualifying PSAT score,College course - 3.0 or higher, Articulated course - 3.0 or higher]	Advanced Measure	##	Should exist if Graduation program Type is DISTINGUISHED. 0..4 lines
NTE02/ Description	352	1/80		TX GRANT IND=[RECOMMENDED/YES, DISTINGUISHED/YES,MINIMUM/NO]	Texas Grant Indicator	##	
NTE02/ Description	352	1/80		Ethnicity=[R,W];Race=[T,U,Q, V,S]	Ethnicity/Race	##	
NTE02/ Description	352	1/80		Visit www.tea.state.tx.us/trex for information on TREx			
NTE02/ Description	352	1/80		generated tracking number			
Sending Institution							
N101/ Entity Identifier Code (Type of Sender or Receiver)	98	2/3		KS			
N102/ Name (Institution Name)	93	1/60	1/34	TRExStudentRecord.School.Name	Campus Name	*...	
N103/ Institution Code Qualifier				78			
N104/ Institution Code	66 67	1/2 2/80	2/2 6/9	TRExStudentRecord.School.SchoolID	Campus ID	#####	
N201/ Name	93	1/60	1/6	TRExStudentRecord.School.DistrictID	District ID	#####	
N202/ Name	93	1/60	1/34	TRExStudentRecord.School.DistrictName	District Name	*...	
N301/ Address Information	166	1/55	1/50	TRExStudentRecord.School.Address.Address	Address (Campus)	*...	
N401/ City Name	19	2/30	1/30	TRExStudentRecord.School.Address.City	City (Campus)	*...	
N402/ State or Province Code	156	2/2	2/2	TRExStudentRecord.School.Address.StateProvince	State (Campus)	**	
N403/ Postal Code	116	3/15	5/10	TRExStudentRecord.School.Address.PostalCode	Zip Code (Campus)	#####- ####	
N404/ Country Code	26	2/3	2/2	TRExStudentRecord.School.Address.Country	Country	**	
N405/ Location Qualifier	309	1/2	2/2	SD			

N406/ Location Identifier	310	1/30	1/6	TRExStudentRecord.School.Di strictID	District ID	#####	
PER01/ Contact Function Code	366	2/2	2/2	RG			
PER03/ Communication Number Qualifier	365	2/2	2/2	TE FX			
PER04/ Communication Number	364	1/80	1/20	TRExStudentRecord.School.Ph oneNumber TRExStudentRecord.School.Fa x	Campus Phone Campus Fax	*...	
Receiving Institution							
N101/ Entity Identifier Code (Type of Sender or Receiver)	98	2/3	2/2	AT			
N102/ Name (Institution Name)	93	1/60	1/34	populated based on selected institution			
N103/ Institution Code Qualifier							
N104/ Institution Code	66 67	1/2 2/80	2/2 6/9	populated based on selected institution			
N301/ Address Information	166	1/55	1/50	populated based on selected institution			
N401/ City Name	19	2/30	1/30	populated based on selected institution			
N402/ State or Province Code	156	2/2	2/2	populated based on selected institution			
N403/ Postal Code	116	3/15	5/10	populated based on selected institution			
N404 Country Code	26	2/3	2/2	populated based on selected institution			
PER01/ Contact Function Code	366	2/2	2/2	RG			
PER03/ Communication Number Qualifier	365	2/2	2/2	TE			
PER04/ Communication Number	364	1/80	1/20	populated based on selected institution			
Student Identification							
IN101/ Entity Type Qualifier	1065	1/1	1/1	1			
IN102/ Name Type Code	1107	2/2	2/2	04			
IN103/ Entity Identifier Code	98	2/3	2/2	S2			

SST02/ Date Time Period Format Qualifier (Format for High School Graduation Date)				TRExStudentRecord.AcademicStatus.GraduationDate [B18]	Graduation Date		
SST03/ Date Time Period (High School Graduation Date)	1250 1251	2/3 1/35	3/3 6/8	TRExStudentRecord.AcademicStatus.GraduationDate [B19] TRExStudentRecord.AcademicStatus.CertificateDate [B22]	Graduation Date Certification of Coursework Completion	yyyy-mm yyyy-mm yyyy-mm-dd	
Test Scores							
TST01/ Educational Test or Requirement Code (Test Code)	1155	1/3	3/3	9TX			
TST02/ Name (Test Name)	93	1/60	1/60	TRExStudentRecord.Assessment.TestName	Assessment Name	##	
TST03/ Date Time Period Format Qualifier (Format for Date Test was Administered)							
TST04/ Date Time Period (Date Test was Administered)	1250 1251	2/3 1/35	2/2 6/6	TRExStudentRecord.Assessment.TestDate	Assessment Date	yyyy-mm	
SBT01/ Subtest Code	1158	5/5	5/5	99999			
SBT03/ Test Score Interpretation Code	1159	1/1	1/1	TRExStudentRecord.Assessment.TestCode	Assessment Score Code	*	
SRE01/ Test Score Qualifier Code (Type of Test Score)	1160	1/1	1/1	3			
SRE02/ Description (Test Score)	352	1/80	1/6	TRExStudentRecord.Assessment.TestScore	Assessment Score	*...	
Academic Summary							
SUM01/Academic Credit Type Code	1141	1/1	1/1	G			Carnegie Units
SUM02/Academic Grade or Course Level Code	1142	1/2	1/1	2			Basic
SUM03/ Yes/No Condition or Response Code (Cumulative Summary Indicator)	1073	1/1	1/1	Y			
SUM09/ Academic Grade Point Average	1144	1/6	1/10	TRExStudentRecord.AcademicSummary.GPA	Grade Point Average	*...	truncated
SUM11/ Class Rank	1145	1/4	1/5	TRExStudentRecord.AcademicSummary.ClassRank	Class Rank	#...	truncated
SUM12/ Quantity (Total Number of Students in Class)	380	1/15	1/5	TRExStudentRecord.AcademicSummary.ClassTotalNumber	Number in Class	#...	
SUM13/ Date Time Period Format Qualifier (Format for Date of Class Ranking)							
SUM14/ Date Time Period (Date of Class Ranking)	1250 1251	2/3 1/35	2/2 8/8	TRExStudentRecord.AcademicSummary.ClassRankingDate	Date of Ranking	yyyy-mm-dd	
SUM15/ Number of Days (Days Attended)	607	1/3	1/5	TRExStudentRecord.Attendance.DaysAttended	Total Days Present	###.#	truncated

SUM16/ Quantity (Days Absent)	380	1/15	1/5	TRExStudentRecord.Attendance.DaysAbsent	Total Days Absent	###.#	
Academic Summary							
LX01/ Assigned Number	554	1/6	2/2	42			
Current Coursework / AcademicSession							
SES01/ Date Time Period (Session Starting Date to Identify Session)	1251	1/35	6/6	TRExStudentRecord.CurrentCoursework.SchoolYear TRExStudentRecord.AcademicSession.SchoolYear	Academic Year	####-####	
SES02/Count (To Identify Specific Session)	609	1/9	1/1	1			
SES03/Date Time Period (School Year for PreK-Grade 12 Record)	1251	1/35	9/9	TRExStudentRecord.CurrentCoursework.SchoolYear TRExStudentRecord.AcademicSession.SchoolYear	Academic Year	####-####	
SES04/Session Code (Type of Session)	1139	1/1	1/1	1=Full Year 2=Semester 3=Trimester 4=Quarter			
SES05/Name (Name of Session)	93	1/60	17/18	Name of session			
SES10/Level of Individual, Test, or Course Code (Grade of Academic Level of Student)	1131	2/2	2/2	TRExStudentRecord.CurrentCoursework.GradeLevel TRExStudentRecord.AcademicSession.GradeLevel	Grade Level	**	
AcademicSession.AcademicSummary							
SUM01/Academic Credit Type Code	1141	1/1	1/1	G			Carnegie Units
SUM02/Academic Grade or Course Level Code	1142	1/2	1/1	2			Basic
SUM03/ Yes/No Condition or Response Code (Cumulative Summary Indicator)	1073	1/1	1/1	N			
SUM09/ Academic Grade Point Average	1144	1/6	1/10	TRExStudentRecord.AcademicSession.AcademicSummary.GPA	Grade Point Average	*...	truncated
SUM11/ Class Rank	1145	1/4	1/5	TRExStudentRecord.AcademicSession.AcademicSummary.ClassRank	Class Rank	#...	truncated
SUM12/ Quantity (Total Number of Students in Class)	380	1/15	1/5	TRExStudentRecord.AcademicSession.AcademicSummary.ClassTotalNumber	Number in Class	#...	
SUM13/ Date Time Period Format Qualifier (Format for Date of Class Ranking)							
SUM14/ Date Time Period (Date of Class Ranking)	1250 1251	2/3 1/35	2/2 8/8	TRExStudentRecord.AcademicSession.AcademicSummary.ClassRankingDate	Date of Ranking	yyyy-mm-dd	
CurrentCoursework.Course / AcademicSession.Course							
CRS01/ Basis for Academic Credit Code	1147	1/1	1/1	X			
CRS02/Academic Credit Type Code	1141	1/1	1/1	G			Carnegie Units

CRS03/ Quantity (Course Credit Hours)	380	1/15	1/4	TRExStudentRecord.CurrentCoursework.Course.CourseCredit TRExStudentRecord.AcademicSession.Course.CourseCredit	Course Credit	#. #	required only if completed; populated only if final grade or grade avg is also present
CRS04/ Quantity (Academic Credit Hours Earned)	380	1/15	1/3	TRExStudentRecord.CurrentCoursework.Course.CourseCredit TRExStudentRecord.AcademicSession.Course.CourseCredit	Course Credit	#. #	required only if completed; populated only if final grade or grade avg is also present
CRS05/ Academic Grade Qualifier	1148	1/3	3/3	500 (Current Coursework - without final grade, grade average, or credits) 517 (Academic Session or Current Coursework - with final grade or grade average and credits)			
CRS06/ Academic Grade	1258	1/3	1/10	TRExStudentRecord.CurrentCoursework.Course.GradeAverage TRExStudentRecord.AcademicSession.Course.GradeAverage	Final Grade Average Course Grade Average	* ...	required only if completed truncated
CRS14/ Name (Course Subject Abbreviation or Alpha Prefix)	93	1/60	1/100	TRExStudentRecord.CurrentCoursework.Course.Abbreviation TRExStudentRecord.AcademicSession.Course.Abbreviation	Course Abbreviation	* ...	truncated
CRS15/ Reference Identification (Course Number)	127	1/30	1/8	TRExStudentRecord.CurrentCoursework.Course.CourseID TRExStudentRecord.AcademicSession.Course.CourseID	Course Number	* ...	
CRS16/ Name (Course Title)	93	1/60	1/100	TRExStudentRecord.CurrentCoursework.Course.CourseTitle TRExStudentRecord.AcademicSession.Course.CourseTitle	Course Name	* ...	truncated
NTE02/ Description	352	1/80	1/80	TRExStudentRecord.CurrentCoursework.Course.Explanation TRExStudentRecord.AcademicSession.Course.Explanation	Special Explanation	*	could be any number of explanation codes

N101/ Entity Identifier Code	98	2/3	2/2	OS			
N103/ Identification Code Qualifier (Institution Code Qualifier)				TRExStudentRecord.CurrentCoursework.Course.CreditCampus			only if different from sending institution
N104/ Identification Code (Institution Code)	66 67	1/2 2/80	2/2 1/9	TRExStudentRecord.AcademicSession.Course.CreditCampus	Campus Awarding Credit	#####	

Required for TREx Translation - required either by the schema or the translation process

TREx to EDI Mapping

TREx Data Element	EDI Field			
Student Identification				
Name	IN103/ Entity Identifier Code = S2			
Name.FirstName	IN201/ Name Component Qualifier = 02 IN202/ Name			
Name.MiddleName	IN201/ Name Component Qualifier = 07 IN202/ Name			
Name.LastName	IN201/ Name Component Qualifier = 05 IN202/ Name			
Name.Suffix	IN201/ Name Component Qualifier = 09 IN202/ Name			
StudentID	REF01/ Reference Identification Qualifier = SY or 50 REF02/ Reference Identification			

PriorID				
LocalID	REF01/ Reference Identification Qualifier = LR REF02/ Reference Identification			
Address				
Address.Address	N301/ Address Information			
Address.City	N401/ City Name			
Address.StateProvince	N402/ State or Province Code			
Address.Country	N404 Country Code			
Address.PostalCode	N403/ Postal Code			
TREx Data Element	EDI Field			
Parent	IN103/ Entity Identifier Code = S1			
Name				
Name.FirstName	IN201/ Name Component Qualifier = 02 IN202/ Name			
Name.MiddleName	IN201/ Name Component Qualifier = 07 IN202/ Name			
Name.LastName	IN201/ Name Component Qualifier = 05 IN202/ Name			

Name.Suffix	IN201/ Name Component Qualifier = 09 IN202/ Name			
Student Demographic				
Gender	DMG03/ Gender Code			
Ethnicity	DMG05/ Race or Ethnicity Code			
RaceEthnicity	NTE02/ Description			
BirthDate	DMG01/ Date Time Period Format Qualifier (Format for Date of Birth) DMG02/ Date Time Period (Date of Birth)			
Language				
Migrant				
Homeless				
TREx Data Element	EDI Field			
School				
SchoolID	N103/ Institution Code Qualifier N104/ Institution Code			
SchoolName	N102/ Name (Institution Name)			
DistrictID	N201/ Name			
DistrictName	N202/ Name			
Address				
Address.Address	N301/ Address Information			
Address.City	N401/ City Name			
Address.StateProvince	N402/ State or Province Code			

Address.Country	N404/ Country Code			
Address.PostalCode	N403/ Postal Code			
PhoneNumber	PER03/ Communication Number Qualifier = TE PER04/ Communication Number			
Fax	PER03/ Communication Number Qualifier = FX PER04/ Communication Number			
TREx Data Element	EDI Field			
Enrollment				
GradeLevel				
EntryDate				
ExitDate				
WithdrawDate				
WithdrawReason				
GradePlaced				
GradePromoted				
GradeRetained				
Special Programs				
LEP				
EconomicDisadvantaged				
AtRisk				
TitleI				
SpecialEd				
IEP				
Bilingual				
ESL				
GiftedTalented				
CTE				
PersonalGradPlan				
Assessment	only exit level TAKS scores			
TestName	TST02/ Name (Test Name)			

TestLevel				
TestDate	TST03/ Date Time Period Format Qualifier (Format for Date Test was Administered)			
ExitRequirementMetDate	TST04/ TST03/ Date Time Period Format Qualifier (Format for Date Test was Administered)			
TestScore	SRE02/ Description (Test Score)			
TestCode	SBT03/ Test Score Interpretation Code			
AssessmentSubTest				
TREx Data Element	EDI Field			
Attendance				
DaysAttended	SUM15/ Number of Days (Days Attended)			
DaysAbsent	SUM16/ Quantity (Days Absent)			
Immunization				
ImmunizationCode				
ImmunizationDate				
ImmunizationDose				
DisciplineAction				
DisciplineActionDate				
DisciplineActionNum				
DisciplineActionCode				
DisciplineActionReason				
AcademicStatus				
GraduationDate	SST01/ Status Reason Code (High School Graduation Type Code) = B18 or B19 SST02/ Date Time Period Format Qualifier (Format for High School			

GraduationDiplomaType	SST01/ Status Reason Code (High School Graduation Type Code) NTE02/ Description			
CertificateDate	SST01/ Status Reason Code (High School Graduation Type Code) = B22 SST02/ Date Time Period Format Qualifier (Format for High School			
TexasGrant	NTE02/ Description = TEXAS GRANT IND = [RECOMMENDED/YES, DISTINGUISHED/YES, MINIMUM/NO, RECOMMENDED/YES]			
DistinguishedAchievements/AdvancedMeasure	NTE02			
TREx Data Element	EDI Field			
CurrentCoursework				
Course				
Course.CourseTitle	CRS16/ Name (Course Title)			
Course.CourseID	CRS15/ Reference Identification (Course Number)			
Course.Abbreviation	CRS14/ Name (Course Subject Abbreviation or Alpha Prefix)			
Course.Semester				
Course.ClassPeriod				
Course.SubjectArea				
Course.CourseGrade				
Course.WithdrawGrade				
Course.GradeAverage	CRS06/ Academic Grade populated only if course credit is also present			
Course.CourseCredit	CRS03/ Quantity (Course Credit Hours) populated only if grade average or final grade average is present			
Course.PassFailCredit				
Course.Explanation	NTE02/ Description			
Course.CourseTeacher				

Course.CreditCampus	N101/ Entity Identifier Code = OS N103/ Identification Code Qualifier (Institution Code Qualifier) N104/			
Course.SemesterSeq				
Course.FinalGradeAverage	CRS06/ Academic Grade If found, otherwise use GradeAverage populated only if course credit is also present			
SchoolYear	SES01/ Date Time Period (Session Starting Date to Identify Session) SES03/Date Time Period (School Year for PreK-Grade 12 Record)			
GradeLevel	SES10/Level of Individual, Test, or Course Code (Grade of Academic Level of Student)			
TREx Data Element	EDI Field			
AcademicSession				
SchoolYear				
GradeLevel				
Course				
Course.CourseTitle	CRS16/ Name (Course Title)			
Course.CourseID	CRS15/ Reference Identification (Course Number)			
Course.Abbreviation	CRS14/ Name (Course Subject Abbreviation or Alpha Prefix)			
Course.Semester				
Course.ClassPeriod				
Course.SubjectArea				
Course.CourseGrade				
Course.WithdrawGrade				
Course.GradeAverage	CRS06/ Academic Grade			
Course.CourseCredit	CRS03/ Quantity (Course Credit Hours)			
Course.PassFailCredit				

Course.Explanation	NTE02/ Description			
Course.CourseTeacher				
Course.CreditCampus	N101/Entity Identifier Code = 03 N103/Identification Code Qualifier (Institution Code Qualifier) N104/Identification Code (Institution Code)			
Course.SemesterSeq				
Course.FinalGradeAverage	CRS06/ Academic Grade If found, otherwise use GradeAverage			
AcademicSummary				
AcademicSummary.GPA	SUM09/Academic Grade Point Average			
AcademicSummary.ClassTotalNumber	SUM12/Quantity (Total Number of Students in Class)			
AcademicSummary.ClassRank	SUM11/Class Rank			
AcademicSummary.ClassRankingDate	SUM13/Date Time Period Format Qualifier (Format for Date of Class Ranking) SUM14/Date Time Period (Date of Class Ranking)			
AcademicSummary.Quartile				
AcademicSummary.CollegeCampusCode				
TREx Data Element	EDI Field			
AcademicSummary				
GPA	SUM09/ Academic Grade Point Average			
ClassTotalNumber	SUM12/ Quantity (Total Number of Students in Class)			
ClassRank	SUM11/ Class Rank			
ClassRankingDate	SUM13/ Date Time Period Format Qualifier (Format for Date of Class Ranking) SUM14/ Date Time Period (Date of Class Ranking)			
Quartile				
CollegeCampusCode				