



# KEY CONCEPTS IN THE TSDS UPGRADE PROJECT

APRIL 2024

# AGENDA – KEY CONCEPTS

- **COMBINING DATA ELEMENTS**
- **BEGIN AND END DATES**
- **ZERO DESCRIPTORS**
- **LANDING ZONE/NOT PROMOTED**
- **CORE DESCRIPTOR TABLES**
- **BEST PRACTICES**



# Combining Data Elements



# Combining Data Elements

- Ed-Fi has a descriptor concept that TEA will now use to report student characteristics and services. **StudentCharacteristic** (E3063) is a descriptor that captures important characteristics of the student's environment or situation. **SpecialEducationProgramService** (E3058) is a descriptor that defines the services provided by an education organization to populations of students associated with a special education program.
- To align better with Ed-Fi, TEA is also using some Ed-Fi data elements such as **Responsibility** (E3051), **LanguageInstructionProgramService** (E3034), and **CTEProgramService** (E3012) to combine multiple TEA data elements into a corresponding descriptor table.
- Ed-Fi also offers some data elements, such as **LanguageUse** (E3035) and **Language** (E3033), where TEA could use two data elements together to replace existing TEA data elements.
- Lastly, TEA created some extended data elements such as **Truancy** (E3068), **EndorsementPursuing** (E3022), and **EndorsementCompleted** (E3021) to combine multiple TEA data elements into a corresponding descriptor table.

# Combined for StudentCharacteristic




	Data Element Name		Data Element Name
E0919	AT-RISK-INDICATOR-CODE	E0797	IMMIGRANT-INDICATOR-CODE
E0984	MIGRANT-INDICATOR-CODE	E1530	DYSLEXIA-INDICATOR-CODE
E1559	T-STEM-INDICATOR-CODE	E1560	ECHS-INDICATOR-CODE
E1612	P-TECH-INDICATOR-CODE	E1647	NEW-TECH-INDICATOR-CODE
E1564	IEP-CONTINUER-INDICATOR-CODE	E1601	STAR-OF-TEXAS-INDICATOR-CODE
E1649	PK-ELIGIBLE-PREVIOUS-YEAR-INDICATOR-CODE	E1603	SECTION-504-INDICATOR-CODE
E1602	INTERVENTION-STRATEGY-INDICATOR-CODE	E1432	PREGNANCY-RELATED-SERVICES
E1660	ADULT-PREVIOUS-ATTENDANCE-INDICATOR-CODE	E0034	GIFTED-TALENTED-INDICATOR-CODE
E1730	GENERAL-EDUCATION-HOMEBOUND-INDICATOR	E1729	PARENT-REQUEST-RETENTION-INDICATOR
E1028	BILINGUAL/ESL-SUMMER-SCHOOL-INDICATOR-CODE	E1672	ADDITIONAL-DAYS-PROGRAM-PARTICIPATION-INDICATOR-CODE

# Combined for Special Education Program Service



	Data Element Name		Data Element Name
E0833	REG-DAY-SCH-PROG-DEAF-CODE	E0838	AUDIOLOGICAL-SERV-IND-CODE
E0840	COUNSELING-SERVICES-IND-CODE	E0841	MEDICAL-DIAGNOSTIC-SERV-IND-CODE
E0843	OCCUPATIONAL-THERAPY-IND-CODE	E0844	ORIENT-MOBILITY-TRNG-IND-CODE
E0845	PHYSICAL-THERAPY-IND-CODE	E0846	PSYCHOLOGICAL-SERVICES-IND-CODE
E0847	RECREATION-IND-CODE	E0848	SCHOOL-HEALTH-SERVICES-IND-CODE
E0849	SOCIAL-WORK-SERVICES-IND-CODE	E0851	TRANSPORTATION-INDICATOR-CODE
E0857	SPEECH-THERAPY-INDICATOR-CODE	E0899	PRESCHL-PROG-CHLDRN-WITH-DISAB-IND-CD
E0900	EARLY-CHILDHOOD-INTERV-IND-CODE	E0997	ASSISTIVE-TECH-INDICATOR-CODE
E1040	INTERPRETING-SERVICES-TYPE-CODE		



Name  
Changes to  
Data Elements

# TSDS UPGRADE PROJECT UPDATES



- Fall PEIMS Data Element Name Changes:

Data Element ID	XML Data Element Name	Upgrade Data Element Name
E0316B (was E0316)	FUND-CODE	BudgetFund
E0317B (was E0317)	FUNCTION-CODE	BudgetFunction
E3018B (was E0318)	OBJECT-CODE	BudgetObject
E0320B (was E0320)	PROGRAM-INTENT-CODE	BudgetProgramIntent
E3010	N/A	BeginDate
E3020	N/A	EndDate



# TSDS UPGRADE PROJECT UPDATES



## ■ Fall Data Element Name Changes:

Data Element ID	XML Data Element Name	Upgrade Data Element Name
E0791	DATE-OF-GRADUATION	DiplomaAwardDate
E3015 (was E0041)	PRIMARY-DISABILITY-CODE	Disability
E3015 (was E0834)	SECONDARY-DISABILITY-CODE	Disability
E3015 (was E0835)	TERTIARY-DISABILITY-CODE	Disability
E1001	LEAVER-REASON-CODE	ExitWithdrawType
E1056	CLASS-ID-NUMBER	SectionIdentifier
E1015	ESC-SSA-STAFF-INDICATOR-CODE	SharedServicesArrangementStaff

# TSDS UPGRADE PROJECT UPDATES



## ■ Mid YearData Element Name Changes:

Data Element ID	XML Data Element Name	Upgrade Data Element Name
E0316A (was E0316)	FUND-CODE	ActualFund
E0317A (was E0317)	FUNCTION-CODE	ActualFunction
E3018A (was E0318)	OBJECT-CODE	ActualObject
E0320A (was E0320)	PROGRAM-INTENT-CODE	ActualProgramIntent
E0316S (was E0316)	FUND-CODE	SSAFund
E3010	N/A	BeginDate
E3020	N/A	EndDate

# TSDS UPGRADE PROJECT UPDATES



Data Element ID	XML Data Element Name	Upgrade Data Element Name
E1006	DISCIPLINARY-ACTION-REASON-CODE	Behavior
E0975	INSTRUCTIONAL-TRACK-INDICATOR-CODE	CalendarCode
E1582	SCHOOL-DAY-EVENT-CODE	CalendarEvent
E1600	INSTRUCTIONAL-PROGRAM-TYPE	CalendarType
E0949	PASS/FAIL-CREDIT-INDICATOR-CODE	CourseAttemptResult
E3012 (was E1039)	OUT-OF-WORKFORCE-INDIVIDUAL	CTEProgramService
E3012 (was E0917)	TRANSPORTATION-CTE-SUPPORT-SERVICE	CTEProgramService
E3012 (was E0829)	SGL-PARENT-SGL-PREG-WOMAN-CODE	CTEProgramService
E1168	CALENDAR-DATE	Date
E3015 (was E0041)	PRIMARY-DISABILITY-CODE	Disability
E1016	DISCIPLINE-INCIDENT-NUMBER	IncidentIdentifier
E1083	BEHAVIOR-LOCATION-CODE	IncidentLocation
E0173	INSTRUCTIONAL-SETTING-CODE	InstructionalSetting
E1056	CLASS-ID-NUMBER	SectionIdentifier
E3010	N/A	BeginDate
E3020	N/A	EndDate



# TSDS UPGRADE PROJECT UPDATES



## Extended Year Data Element Name Changes:

Data Element ID	XML Data Element Name	Upgrade Data Element Name
E0975	INSTRUCTIONAL-TRACK-INDICATOR-CODE	CalendarCode
E1585	SCHOOL-DAY-EVENT-CODE	CalendarEvent
E1600	INSTRUCTIONAL-PROGRAM-TYPE	CalendarType
E0949	PASS/FAIL-CREDIT-INDICATOR-CODE	CourseAttemptResult
E3071	SERVICE-ID	CourseCode
E1168	CALENDAR-DATE	Date
E0173	INSTRUCTIONAL-SETTING-CODE	InstructionalSetting
E1056	CLASS-ID-NUMBER	SectionIdentifier
E3063	Various	StudentCharacteristic
E3010	N/A	BeginDate
E3020	N/A	EndDate

# TSDS UPGRADE PROJECT UPDATES



## ■ SELA Data Element Name Changes:

Data Element ID	XML Data Element Name	Upgrade Data Element Name
E3010	N/A	BeginDate
E3020	N/A	EndDate
E3016	N/A	DisabilitySetBeginDate
E3017	N/A	DisabilitySetEndDate
E3025	N/A	InstructionalSettingBeginDate
E3026	N/A	InstructionalSettingEndDate
E0266	CAMPUS-ID	EducationOrganization (Reference)



Name Changes to  
Codes/Descriptors  
Tables

# TSDS UPGRADE PROJECT UPDATES



- Fall Descriptor Table Name Changes:

Descriptor ID	XML Code Table Name	Upgrade Descriptor Name
C145B (was C145)	FUND-CODE	BudgetFund
C146B(was C146)	FUNCTION-CODE	BudgetFunction
C159B (was C159)	OBJECT-CODE	BudgetObject
C147B (was C147)	PROGRAM-INTENT-CODE	BudgetProgramIntent

# TSDS UPGRADE PROJECT UPDATES



## ■ Mid Year Descriptor Name Changes

Descriptor ID	XML Code Table Name	Upgrade Descriptor Name
C145A (was C145)	FUND-CODE	ActualFund
C146A (was C146)	FUNCTION-CODE	ActualFunction
C159A (was C159)	OBJECT-CODE	ActualObject
C147A (was C147)	PROGRAM-INTENT-CODE	ActualProgramIntent
C145S (was C145)	FUND-CODE	SSAFund



# TSDS UPGRADE PROJECT UPDATES



## ■ SELA Descriptor Table Name Changes:

Descriptor Table ID	XML Code Table Name	Upgrade Descriptor Table Name
C061 (was DC079)	EMERGENT-BILINGUAL-TYPE	EmergentBilingualIndicator
C318 (was DC160)	PERIOD-OF-TIME-ACCESS-CODE	HearingAmplificationAccess
C319 (was DC161)	AVERAGE-TIME-CODE	HearingAmplificationDailyUse
C303 (was DC096)	PROGRAM-TYPE	ProgramType
C053 (was DC142)	DISABILITY-TYPE	Disability

# TSDS UPGRADE PROJECT UPDATES



- **SPPI-14 Data Element Name Changes:**

Data Element ID	XML Data Element Name	Upgrade Data Element Name
E3033 (was E0895)	HOME-LANGUAGE-CODE	Language
E1001	LEAVER-REASON-CODE	ExitWithdrawType

# Begin and End Dates

# Begin and End Dates

- To “effective date” some data elements, TEA will begin collecting the data element combined with a BeginDate and EndDate in a “set.” Some sets will have more than one data element that will be associated with the BeginDate. The BeginDate and EndDate will allow TEA to promote the correct data for snapshot purposes.
- The BeginDate will be specific to one or more data elements and will be required to be reported with the data element.
- The EndDate will only be reported when the data element becomes false. The EndDate will be the first day of non-participation in the program.

Entity	Data Element	Element ID	Data Type	Length	Date Update
<b>.DataElementNameSet</b>					
	DataElementName	EXXXX	Descriptor		
	BeginDate	E3055	Date		
	EndDate	E3056	Date		

# Entity with BeginDate Data Element

	Current School Year Only	Current or Prior School Year
CTEProgramService	X	
StudentTitleIPartAProgramAssociationSet		X
StudentSPEDProgramAssociationSet		X
InstructionalSettingSet		X
DisabilitySet		X
SpecialEducationProgramService		X
StudentResFacAssocSet	X	
ParentalPermissionSet		X

	Current School Year Only	Current or Prior School Year
LanguageInstructionProgramService		X
CampusEnrollmentTypeSet		X
NSLPTTypeSet	X	
StudentEducationOrganizationResponsibilityAssociation		X
BudgetExt	X	
PayrollExt		X
ReportingPeriodExt	X	
StaffTypeSet		X

# Entity with BeginDate Data Element

	Current School Year Only	Current or Prior School Year
ParaprofessionalCertificationSet		X
StaffEducationOrganizationAssignmentAssociation		X
StaffServiceSet		X
AuxiliaryRoleIdSet		X
EmploymentPeriod		X
StaffCohortAssociation	X	
StudentCohortAssociation	X	
StudentCensusBlockGroupSet	X	
CrisisEventSet	X	

	Current School Year Only	Current or Prior School Year
EmergentBilingualSet		X
TruancySet	X	
DyslexiaServicesSet	X	
EconomicDisadvantageSet	X	
FosterCareTypeSet	X	
HomelessStatusSet	X	
UnaccompaniedYouthSet	X	
UnschoolledAsyleeRefugeeSet		X
EarlyReadingIndicatorSet	X	
MilitaryConnectedStudentSet		X

# Entity with BeginDate Data Element

	Current School Year Only	Current or Prior School Year
DyslexiaRiskSet	X	
PKProgramTypeSet	X	
PKFundingSourceSet	X	
StudentCharacteristic		X
SectionSet	X	
StaffSectionAssociation	X	
StudentSectionAssociation	X	

Specific BeginDate definitions can be found in the [All Data Elements Definitions](#) document.

# Zero Descriptors





- When TEA released the TSDS Upgrade Project data standards, LEAs and vendors asked why the LEA must report a data element when the student was not participating in the program captured by the data element.
- TEA removed certain zero descriptors from the descriptor tables listed on the following slides. The LEA will no longer report the data element with the zero descriptor. The data elements on the next slides will only be reported when there is a valid descriptor for the student.
- Some zero descriptors remained in tables such as EconomicDisadvantage, ADAEligibility, ArmedServicesVocAptBattery, CourseSequence, DisciplineActionLengthDifferenceReason, DyslexiaServices, InstructionalSetting, GiftedTalentedProgram, LevelOfEducation, NonCampusBasedInstruction, NSLPType, ToolOrAssessmentUsed, IncidentLocation, PKProgramEvaluationType, and SpecialEducationProgramService. These zero descriptors provide important information about the student, staff, or campus.

Landing Zone  
Not Promoted

# Landing Zone/Not Promoted Data Elements

- To better align with Ed-Fi, TEA is using as many of the Entities provided in the Ed-Fi model as possible for state reporting. In some instances, data elements are part of the key or mandatory for Ed-Fi but not used by TEA. These data elements will be loaded into the Landing Zone but will not be promoted to the Core Collection or PEIMS Data Marts.

Landing Zone		
AssessmentTitle	IncidentDate	AchievementCategory
Session Entity	EmploymentStatus	Term
EarnedCredits	ApplicationIdentifier	CohortType
NumberOfParts		

# Core Descriptor Tables

# Core Descriptor Table Changes

- In the current XML version of the Texas Education Data Standards, the core collection-only data elements that are associated with a code table are reported using the translation and not the code listed in the table. Additionally, the core collection-only tables began with the letters 'DC'.
- In the TSDS Upgrade Project, the core collection-only data elements associated with a descriptor table are reported using the descriptor and not the short or long description. The 'DC' numbered tables have also been replaced.

# Old and New Descriptor Table Names

	Old Code Table		New Descriptor Table
DC006	ADDRESS-TYPE	C300	AddressType
DC163	ASSESSMENT-RESULTS-OBTAINED-CODE	C321	AssessmentResultsObtained
DC143	CLASSROOM-POSITION-TYPE	C309	ClassroomPosition
DC057	ELECTRONIC-MAIL-ADDRESS-TYPE	C302	ElectronicMailType
DC157	FREQUENCY-OF-SERVICES-CODE	C315	FrequencyOfServices
DC161	AVERAGE-TIME-CODE	C319	HearingAmplificationDailyUse
DC160	PERIOD-OF-TIME-ACCESS-CODE	C318	HearingAmplificationAccess
DC159	HEARING-AMPLIFICATION-CODE	C317	HearingAmplificationType
DC158	HOURS-SPENT-SERVICES-CODE	C316	HoursSpentReceivingServices
DC156	LANGUAGE-ACQUISITION-SERVICES-PROVIDED-CODE	C314	LangAcqServicesProvided
DC162	TOOL-ASSESSMENT-CODE	C320	ToolOrAssessmentUsed

# Old and New Descriptor Table Names

	Old Code Table		New Descriptor Table
DC152	PK-SCHOOL-TYPE	C310	PKSchoolType
DC153	STUDENT-INSTRUCTION-TYPE	C311	PKStudentInstruction
DC155	PREFERRED-HOME-COMMUNICATION-CODE	C313	PreferredHomeCommunicationMethod
DC096	PROGRAM-TYPE	C303	ProgramType
DC097	RACE-ITEM-TYPE	C304	Race
DC105	RELATION-TYPE	C305	Relation
DC123	REPORT-ASSESSMENT-TYPE-CODE	C306	ReportAssessmentType
DC124	STATE-ABBREVIATION-TYPE	C307	StateAbbreviation
DC165	TEACHER-INCENTIVE-ALLOTMENT-DESIGNATION-CODE	C322	TeacherIncentiveAllotmentDesignation
DC133	TELEPHONE-NUMBER-TYPE	C308	TelephoneNumberType

- In the TSDS Upgrade Project, the **first day of school** is defined as the EARLIEST instructional day for the given LEA from the CalendarDate. The first day of school is used in the promotion logic for several of the submissions that collect data for the entire school year, such as the PEIMS Summer Submission and RF Tracker.
  - Best Practice – the LEA must load the Calendar information first so TEA can determine the **first day of school**.



Thank You!

