TEDS KEY CONCEPTS AND TWEDS OVERVIEW

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Session Presenter

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TEA
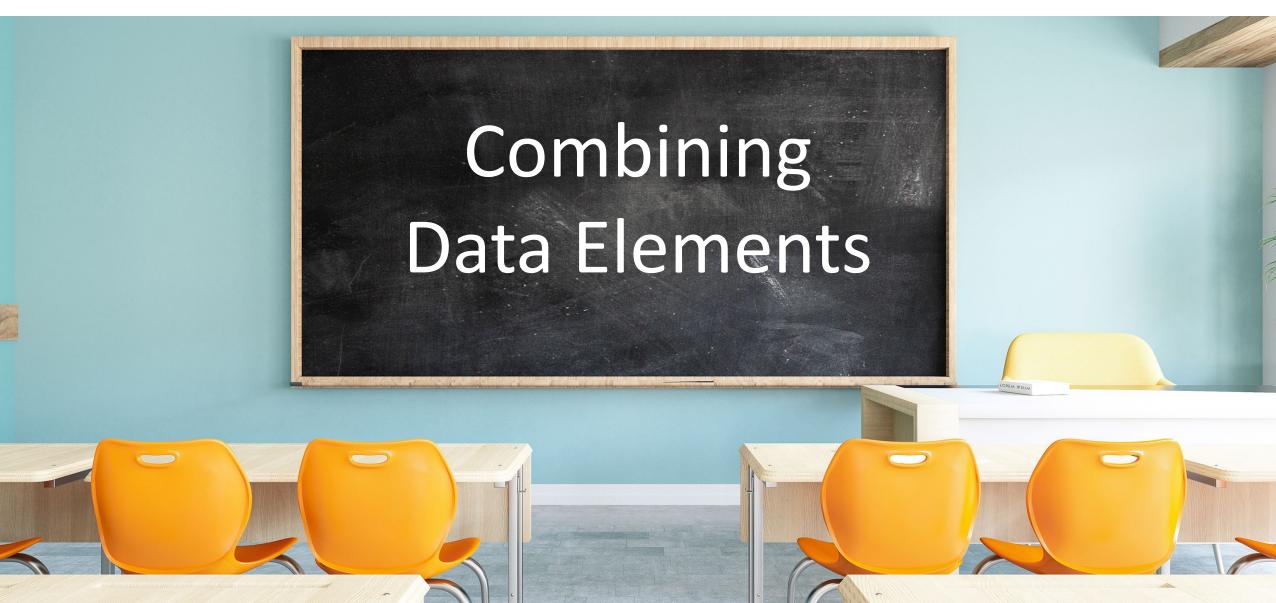**Texas Education Agency**®

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Agenda – Key Concepts

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

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. SPEDProgramSvc (E3058) is a descriptor that defines the services provided by an education organization to populations of students associated with a special education program.

- To better align with Ed-Fi, TEA is also using some Ed-Fi data elements, such as Responsibility (E3051), LangInstruProgramSvc (E3034), and CTEProgramSvc (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.

StudentCharacteristic Data Element

StudentEducationOrganizationAssociation Entity

Data Element	NP* Core	PEIMS	Length	Data Type	Descriptor Table	Element ID
Student	🔗					
LocalEducationAgency	🔗					
Sex	✓	PF,PS,PE		Descriptor	C013	E0004
HispanicLatinoEthnicity	✓	PF,PS,PE		Boolean		E1064
Race *(may have multiple instances)*	✓	PF,PS,PE		Descriptor	C304	E3050
StudentAcceleratedEducationPlan		PS		Boolean		E3083
StudentCharacteristic *(may have multiple instances)*						
StudentCharacteristic		PF,PS,PE		Descriptor	C344	E3063
StudentCharacteristic > Period *(may have multiple instances)*						
BeginDate		PF,PS,PE	10	Date		E3010
EndDate		PF,PS,PE	10	Date		E3020

Table Identification	Name		Date Issued	Date Updated
C344	StudentCharacteristic		11/01/2021	09/03/2024

Descriptor	Short Description	Long Description
01	At Risk	At Risk
02	Immigrant	Immigrant
03	Migratory	Migratory
04	Dyslexia	Dyslexia
06	ECHS	Early College High School
07	P-TECH	Pathways In Technology Early College High School
08	New Tech	New Tech
09	IEP Continuer	IEP Continuer
10	Star Of Texas	Star Of Texas
11	PK Eligible Prior Year	PK Eligible Prior Year
12	Section 504	Section 504

Table Identification	Name		Date Issued	Date Updated
C344	StudentCharacteristic		11/01/2021	09/03/2024

Descriptor	Short Description	Long Description
13	Intervention Strategy	Intervention Strategy
14	Pregnancy Related Services	Pregnancy Related Services
15	Gifted And Talented	Gifted And Talented
16	Adult Previous Attendance	Adult Previous Attendance
17	General Education Homebound	General Education Homebound
18	Parent Request Retention	Parent Request Retention
19	Bilingual/ESL Summer School	Bilingual/ESL Summer School
20	Additional Days Program Participation	Additional Days Program Participation
21	Virtual Student Not In Membership	Virtual Student Not In Membership
22	R-PEP Participation	Rural Pathway Excellence Partnership Participation
23	Dropout Recovery Program	Student participated in a dropout recovery program under TEC §29.081 at any point in the school year.

Race Data Element

StudentEducationOrganizationAssociation Entity

Data Element	NP*	Core	PEIMS	Length	Data Type	Descriptor Table	Element ID
Student	🔗						
LocalEducationAgency	🔗						
Sex		✓	PF,PS,PE		Descriptor	C013	E0004
HispanicLatinoEthnicity		✓	PF,PS,PE		Boolean		E1064
Race (may have multiple instances)		✓	PF,PS,PE		Descriptor	C304	E3050
StudentAcceleratedEducationPlan			PS		Boolean		E3083

Table Identification	Name	Date Issued	Date Updated
C304	Race	03/01/2012	07/01/2022

Descriptor	Short Description	Long Description
01	American Indian - Alaskan Native	American Indian - Alaskan Native
02	Asian	Asian
03	Black - African American	Black - African American
04	Native Hawaiian - Pacific Islander	Native Hawaiian - Pacific Islander
05	White	White

LanguageUse and Language Data Elements

StudentEducationOrganizationAssociation Entity

Data Element	NP* Core	PEIMS	Length	Data Type	Descriptor Table	Element ID
Student	🔗					
LocalEducationAgency	🔗					
Sex	✓	PF,PS,PE		Descriptor	C013	E0004
HispanicLatinoEthnicity	✓	PF,PS,PE		Boolean		E1064
Race (may have multiple instances)	✓	PF,PS,PE		Descriptor	C304	E3050
StudentAcceleratedEducationPlan		PS		Boolean		E3083
Language (may have multiple instances)						
Language	✓	PF		Descriptor	C092	E3033
LanguageUse	✓	PF		Descriptor	C336	E3035

Table Identification	Name	Date Issued	Date Updated
C336	LanguageUse	11/01/2021	07/01/2022

Descriptor	Short Description	Long Description
01	Home Language	Home Language
02	Student Language	Student Language

Truancy Data Element

StudentEducationOrganizationAssociation Entity

Data Element	NP*	Core	PEIMS	Length	Data Type	Descriptor Table	Element ID
Student	🔗						
LocalEducationAgency	🔗						
Sex		✓	PF,PS,PE		Descriptor	C013	E0004
HispanicLatinoEthnicity		✓	PF,PS,PE		Boolean		E1064
Race *(may have multiple instances)*		✓	PF,PS,PE		Descriptor	C304	E3050
StudentAcceleratedEducationPlan			PS		Boolean		E3083
TruancySet *(may have multiple instances)*							
Truancy			PS		Descriptor	C346	E3068
DateMet			PS	10	Date		E3014

Table Identification	Name		Date Issued	Date Updated
C346	Truancy		11/01/2021	07/01/2022
Descriptor	**Short Description**	**Long Description**		
01	Excessive Unexcused Absences	Excessive Unexcused Absences		
02	Truancy Prevention Measures	Truancy Prevention Measures		
03	Truancy Complaint Filed	Truancy Complaint Filed		

SPEDProgramSvc Data Element

StudentSpecialEducationProgramAssociation Entity

Data Element	NP*	Core	PEIMS	Length	Data Type	Descriptor Table	Element ID
School		🔗					
Student		🔗					
Program		🔗					
BeginDate		✓	PF,PS,PE	10	Date		E3010
EndDate		✓	PF,PS,PE	10	Date		E3020
PreferredHomeCommunicationMethod		✓			Descriptor	C313	E1661
SPEDProgramSvcSet *(may have multiple instances)*							
SPEDProgramSvc		✓	PF,PS		Descriptor	C341	E3058
ServiceBeginDate		✓	PF,PS	10	Date		E3055
ServiceEndDate		✓	PF,PS	10	Date		E3056

Table Identification	Name		Date Issued	Date Updated
C341	SPEDProgramSvc		11/01/2021	07/01/2024

Descriptor	Short Description	Long Description
00	No Special Education Program Services	No Special Education Program Services
01	Social Work Services	Social Work Services
02	Oral Transliteration Services	Oral Transliteration Interpreting Services
03	CUED Language Transliteration Services	CUED Language Transliteration Services
04	Sign Language Transliteration Services	Sign Language Transliteration Services
05	Sign Language Interpreting Services	Sign Language Interpreting Services
06	Communication Access Realtime Translation (CART) Services	Communication Access Realtime Translation (CART) Services
07	C-Print Services	C-Print Services
08	Type Well Services	Type Well Services
09	Deaf-Blind Interpreting Services	Deaf-Blind Interpreting Services
10	Psychological Services	Psychological Services
11	Physical Therapy Services	Physical Therapy Services
12	Recreation Including Therapeutic Recreation	Recreation Including Therapeutic Recreation
13	Counseling Services	Counseling Services

Table Identification	Name		Date Issued	Date Updated
C341	SPEDProgramSvc		11/01/2021	07/01/2024

Descriptor	Short Description	Long Description
14	Orientation And Mobility	Orientation And Mobility
15	Medical Services	Medical Services
16	School Health And/Or School Nurse Services	School Health And/Or School Nurse Services
17	Assistive Technology Device or Related Services	Assistive Technology Device or Related Services
18	Audiological Services	Audiological Services
19	Early Childhood Special Education Services	Early Childhood Special Education Services
20	Early Childhood Intervention Services	Early Childhood Intervention Services
21	Occupational Therapy	Occupational Therapy
22	Receiving Instructional Services from RDSPD	Receiving instructional services from the Regional Day School Program for the Deaf
23	Special Education Student Does Not Receive Speech Therapy	Special Education Student Does Not Receive Speech Therapy
24	Special Education Student Receives Speech Therapy Only	Special Education Student Receives Speech Therapy Only
25	Special Education Student Rec Speech Therapy and Other SPED Instr Setting	Student Receives Speech Therapy Along With Service Through Another Special Education Instructional Setting
26	Special Education Transportation Services	Special Education Transportation Services

Responsibility Data Element

StudentEducationOrganizationResponsibilityAssociation Entity

Data Element		NP*	Core	PEIMS	Length	Data Type	Descriptor Table	Element ID
Student	🔗							
School	🔗							
BeginDate		✓		PS	10	Date		E3010
EndDate		✓		PS	10	Date		E3020
Responsibility		✓		PS		Descriptor	C339	E3051

Table Identification	Name	Date Issued	Date Updated
C339	Responsibility	11/01/2021	09/01/2023

Descriptor	Short Description	Long Description
03	Evaluation	Evaluation
04	Non-Enrolled UIL Activity Participant	Non-Enrolled UIL Activity Participant

LangInstruProgramSvc Data Element

StudentLanguageInstructionProgramAssociation Entity

Data Element	NP* Core	PEIMS	Length	Data Type	Descriptor Table	Element ID
School	🔗					
Student	🔗					
Program	🔗					
BeginDate		PF,PS,PE	10	Date		E3010
EndDate		PF,PS,PE	10	Date		E3020
ParentalPermissionSet *(may have multiple instances)*						
ParentalPermission		PF,PS,PE		Descriptor	C093	E0896
ParentalPermissionSetBeginDate		PF,PS,PE	10	Date		E3042
ParentalPermissionSetEndDate		PF,PS,PE	10	Date		E3043
LangInstruProgramSvcSet *(may have multiple instances)*						
LangInstruProgramSvc		PF,PS,PE		Descriptor	C335	E3034
ServiceBeginDate		PF,PS,PE	10	Date		E3055
ServiceEndDate		PF,PS,PE	10	Date		E3056

Table Identification	Name	Date Issued	Date Updated
C335	LangInstruProgramSvc	03/01/2019	07/01/2024

Descriptor	Short Description	Long Description
042	Transitional Bilingual/Early Exit	Transitional Bilingual/Early Exit
043	Transitional Bilingual/Late Exit	Transitional Bilingual/Late Exit
044	Dual Language Immersion/Two-Way	Dual Language Immersion/Two-Way
045	Dual Language Immersion/One-Way	Dual Language Immersion/One-Way
046	Alternative Methods for Bilingual Education	Alternative Methods for Bilingual Education
002	English As a Second Language/Content-Based	English As a Second Language/Content-Based
003	English As A Second Language/Pull-Out	English As A Second Language/Pull-Out
004	Alternative Methods for ESL	Alternative Methods for ESL

CTEProgramService

StudentCTEProgramAssociation Entity

Data Element	NP*	Core	PEIMS	Length	Data Type	Descriptor Table	Element ID
School	🔗						
Student	🔗						
Program	🔗						
BeginDate			PS	10	Date		E3010
EndDate			PS	10	Date		E3020
CTEProgSvcSet *(may have multiple instances)*							
CTEProgramSvc			PS		Descriptor	C064	E3012
ServiceBeginDate			PS	10	Date		E3055
ServiceEndDate			PS	10	Date		E3056

Table Identification	Name	Date Issued	Date Updated
C064	CTEProgramSvc	11/01/2021	07/01/2024

Descriptor	Short Description	Long Description
2	Single Parent	Single Parent
7	Pregnant Woman	Pregnant Woman
8	Out Of Workforce Individual	Out Of Workforce Individual
9	Transportation CTE Support Services	Transportation CTE Support Services

EndorsementPursuing Data Element

StudentAcademicRecord Entity

Data Element		NP*	Core	PEIMS	Length	Data Type	Descriptor Table	Element ID
School	🔗							
Student	🔗							
SchoolYear				PF,PS		Descriptor		E1093
EndorsementPursuing *(may have multiple instances)*				PS		Descriptor	C333	E3022
IndividualGraduationCommitteeReview				PS		Boolean		E1563
AssociateDegreeIndicator				PF,PS	1	Descriptor	C235	E1596
FHSPParticipant				PS		Boolean		E3030
FHSPDistingLevelParticipant				PS		Boolean		E3029
EndorsementCompleted *(may have multiple instances)*				PF,PS		Descriptor	C332	E3021

Table Identification	Name	Date Issued	Date Updated
C333	EndorsementPursuing	11/01/2021	09/03/2024

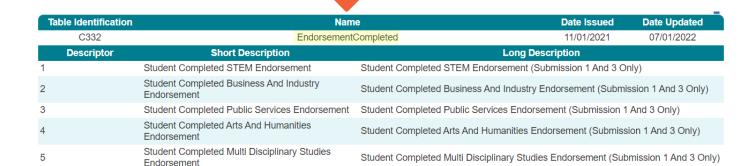| Descriptor	Short Description	Long Description
0	Student Is Not Pursuing Or Participating	Student Is Not Pursuing Or Participating (Submission 3)
1	Student Is Pursuing STEM Endorsement	Student Is Pursuing STEM Endorsement (Submission 3 Only)
2	Student Is Pursuing Business And Industry Endorsement	Student Is Pursuing Business And Industry Endorsement (Submission 3 Only)
3	Student Is Pursuing Public Services Endorsement	Student Is Pursuing Public Services Endorsement (Submission 3 Only)
4	Student Is Pursuing Arts And Humanities Endorsement	Student Is Pursuing Arts And Humanities Endorsement (Submission 3 Only)
5	Student Is Pursuing Multi Disciplinary Studies Endorsement	Student Is Pursuing Multi Disciplinary Studies Endorsement (Submission 3 Only)

EndorsementCompleted Data Element

StudentAcademicRecord Entity

Data Element	NP* Core	PEIMS	Length	Data Type	Descriptor Table	Element ID
School	🔗					
Student	🔗					
SchoolYear		PF,PS		Descriptor		E1093
EndorsementPursuing *(may have multiple instances)*		PS		Descriptor	C333	E3022
IndividualGraduationCommitteeReview		PS		Boolean		E1563
AssociateDegreeIndicator		PF,PS	1	Descriptor	C235	E1596
FHSPParticipant		PS		Boolean		E3030
FHSPDistingLevelParticipant		PS		Boolean		E3029
EndorsementCompleted *(may have multiple instances)*		PF,PS		Descriptor	C332	E3021

Table Identification	Name		Date Issued	Date Updated
C332	EndorsementCompleted		11/01/2021	07/01/2022

Descriptor	Short Description	Long Description
1	Student Completed STEM Endorsement	Student Completed STEM Endorsement (Submission 1 And 3 Only)
2	Student Completed Business And Industry Endorsement	Student Completed Business And Industry Endorsement (Submission 1 And 3 Only)
3	Student Completed Public Services Endorsement	Student Completed Public Services Endorsement (Submission 1 And 3 Only)
4	Student Completed Arts And Humanities Endorsement	Student Completed Arts And Humanities Endorsement (Submission 1 And 3 Only)
5	Student Completed Multi Disciplinary Studies Endorsement	Student Completed Multi Disciplinary Studies Endorsement (Submission 1 And 3 Only)

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. (the first day after the last instructional day.

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

Entity with BeginDate Data Element

School Year	Current	Current or Prior
CTEProgramService	X	
StudentTitleIPartAProgramAssociationSet	X	
StudentSPEDProgramAssociationSet		X
InstructionalSettingSet		X
DisabilitySet		X
SPEDProgramSvcSet		X
StudentResFacAssocSet		X
ParentalPermissionSet		X
LangInstruProgramSvcSet		X
CampusEnrollmentTypeSet		X

School Year	Current	Current or Prior
NSLPTypeSet	X	
Responsibility		X
BudgetExt	X	
PayrollExt		X
ReportingPeriodExt	X	
StaffTypeSet		X
DaysEmployedSet		X
EmergentBilingualSet		X
TruancySet	X	
DyslexiaServicesSet		X
HomelessStatusSet	X	

Entity with BeginDate Data Element

School Year	Current	Current or Prior
ParaprofessionalCertificationSet		X
StaffEducationOrganizationAssignmentAssociation		X
StaffServiceSet		X
AuxiliaryRoleIdSet		X
EmploymentPeriod		X
StudentCensusBlockGroupSet	X	
CrisisEventSet	X	
EconomicDisadvantageSet	X	
FosterCareTypeSet	X	

School Year	Current	Current or Prior
UnaccompaniedYouthSet	X	
UnschooledAsyleeRefugeeSet		X
EarlyReadingIndicatorSet	X	
MilitaryConnectedStudentSet		X
DyslexiaRiskSet	X	
PKProgramTypeSet	X	
PKFundingSourceSet	X	
StudentCharacteristic		X
SectionSet	X	
StaffSectionAssociation	X	
StudentSectionAssociation	X	

Zero
Descriptors

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 below. The data elements will only be reported when a valid descriptor exists for the student.

Zero Descriptor Removed from Table:		
ChildCountFunding (C066)	PPCDServiceLocation (C184)	Disability (C053)
EmergentBilingualIndicator (C061)	FosterCareType (C196)	HomelessStatus (C189)
MilitaryConnectedStudent (C197)	PKProgramType (C185)	StudentAttribution (C161)
TitleIPartAParticipant (C122)	UnschooledAsyleeRefugee (C183)	

Zero Descriptors

- Some zero descriptors still exist in the descriptor tables listed below. The data elements will only be reported when a valid descriptor exists for the student. These zero descriptors provide important information about the student, staff, or campus.

Zero Remain in the Table:		
ADAEligibility (C059)	ArmedServicesVocAptBattery (C217)	CourseSequence (C135)
DyslexiaServices (C224)	EconomicDisadvantage (C054)	EndorsementPursuing (C333)
Function	GiftedTalentedProgram (C223)	HearingAmplificationType (C317)
IncidentLocation (C190)	InstructionalSetting (C035)	LangAcqServicesProvided (C314)
LevelOfEducation (C015)	NonCampusBasedInstruction (C182)	NSLPType (C212)
PKProgramEvaluationType (C216)	ProgramIntent	SPEDProgramSvc (C341)
SPEDStudentAgeRange (C342)	DisciplineActionLengthDifferenceReason (C217)	RegionalDaySchoolProgramForDeaf (C067)

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	AchievementCategory	EmploymentStatus
Term	EarnedCredits	ApplicationIdentifier
NumberOfParts	IncidentDate	Session
EducationOrganizationCategory	EntryType	ResultDatatypeType
MaximumScore	MinimumScore	ProgramName

Core Descriptor Tables

Core Descriptor Table Changes

- In the 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

QUESTIONS?