Boundary

Simple feature class Boundary				Geometry <i>Polyline</i> Contains M values <i>No</i> Contains Z values <i>No</i>			
Field name	Data type	Allow nulls	Default value	Domain	Pre- cision	Scale	Lengtl
OBJECTID	OID						
Shape	Geometry	Yes					
RecordBoundaryID	String	Yes					30
RecordBounds	String	Yes					30
RecordBoundaryStatus	String	Yes	Constructed	RecordBoundaryStatus			30
OffsetLeft	Double	Yes			0	0	
OffsetRight	Double	Yes			0	0	
RecordBoundaryComment	String	Yes					100
RecordDirection	String	Yes					30
RecordDistance	String	Yes					30
DirectionType	String	Yes	Unknown	DirectionType			30
DirectionUnit	String	Yes	DMS	DirectionUnit			30
DirectionQuadrant	String	Yes					10
DistanceUnit	String	Yes	US Survey Feet	DistanceUnit			30
DistanceType	String	Yes	Unknown	DistanceType			30
Radius	String	Yes					8
Delta	String	Yes					10
Tangent	String	Yes					8
ArcLength	String	Yes					8
Side	String	Yes					1
RBSourceAgent	String	Yes					30
RBSourceIndex	String	Yes					30
RBSourceType	String	Yes					30
RBSourceDate	Date	Yes			0	0	8
RecordBoundaryType	Integer	Yes	1		0		
Shape_Length	Double	Yes			0	0	

Subtypes of Boundary

Default subtype

Subtype Subtype Code Descriptior

Right of Way Subdivision Bou Parcel

Lot Line

Parcel Split

Private Road

Subtype field RecordBoundaryType

Linear features representing edges of parcels and the parcel framework used to symbolize parcel boundaries and for boundary dimensions.

The primary key for the line entity. boundary location by reference to a legal location, a related document, or a known location. dentifies the record boundary's status from a legal perspective. Distance to the left of and perpendicular to a defined boundary line defining the record bo Distance to the right of and perpendicular to a defined boundary line defining the record boundary ntains additional information about the record boundary that may be in public record. irection is the angle between a line and an arbitrary chosen reference line. The quantity for the distance of a boundary. Distance is the linear measure along a line. The "basis of bearing" or "basis of azimuth" for the direction.

ndicates the units for a direction. Defines the units of measure and reference plane for distance measurements. Dennies the difficult and reference plane for distance measurements. Describes the reference surface for the distance. The radius is the distance from the center of the curve to any point on the circular curve. The central angle of a circular curve.

The arc length is the long chord length.

The individual or organization who determined the record boundary values. The source from which the record boundary originated the received boundary originated the source from which the record boundary originated the source from which the source from which the record boundary originated the sourc The date of the record boundary docume Classification of the boundary line to sup

ommon unitying characteristic.		ropor	
nt or other record. port the definition of subtypes.	Participating feature classes and ranks S		
1FTL[T]F4E1/	Topology rules		
	Origin feature class		
	Corner	Must b	
	Boundary	Endp	
	Boundary	M	
	TaxParcel	Bound	
	SimultaneousConveyance	Bound	
	SurveyFirstDivision	Bound	
	TayDaraal		

Parcel framework

List of defined default values and domains for subtypes in this clas

Domain

DirectionType

DirectionUnit

DistanceType

Default value

Assumed

Unknown

US Survey Feet

Ground

SimultaneousConveyance Conta	Geometry Polygon Contains M values No Contains Z values No			
Allow Default Field name Data type nulls value Domain	Pre- cision	Scale	Lengt	
OBJECTID OID OID				
Shape Geometry Yes				
ConveyanceID String Yes			64	
ConveyanceDesignator String Yes			64	
ConveyanceType String Yes Subdivision ConveyanceType			30	
Shape_Length Double Yes	0	0		
Shape_Area Double Yes	0	0		

DirectionType

DirectionUnit

DistanceUnit

DistanceType

Simple feature class Geometry Polygy Contains M values No SurveyFirstDivision Contains Z values No						lygon '	
Field name	Data type	Allow nulls	Default value	Domain	Pre- cision	Scale	Length
OBJECTID	OID						
Shape	Geometry	Yes					
ConveyanceID	String	Yes					64
ConveyanceDesignator	String	Yes		6 1			64
ConveyanceType	String	Yes	Subdivision	Simultaneous- ConveyanceType			30
FirstDivisionID	String	Yes					100
FirstDivisionDesignator	String	Yes					100
FirstDivisionType	String	Yes	Block	FirstDivisionType			30
Shape_Length	Double	Yes			0	0	
Shape_Area	Double	Yes			0	0	

Simple feature cl SurveySecondD	Geometry Polyg Contains M values No Contains Z values No						
Field name	Data type	Allow nulls	Default value	Domain	Pre- cision	Scale	Lei
OBJECTID	OID						
Shape	Geometry	Yes					
ConveyanceID	String	Yes					6
ConveyanceDesignator	String	Yes		c: h			6
ConveyanceType	String	Yes	Subdivision	ConveyanceType			11
FirstDivisionID	String	Yes		, ,,			1
FirstDivisionDesignator	String	Yes					1
FirstDivisionType	String	Yes	Block	FirstDivisionType			1
SecondDivisionID	String	Yes					1
SecondDivisionDesignator	String	Yes					1
SecondDivisionType	String	Yes	Lot	SecondDivisonType			11
Shape_Length	Double	Yes			0	0	
Shape_Area	Double	Yes			0	0	
		1 1 1 -					

simultaneous conveyance is a named or numbered area of land that can be identified by a type and a designator. These types of survey ystems were created at one time in one document and all of the nterior lines will have equal standing with one another. A subdivision is an example of a simultaneous conveyance. his is a primary key for the polygon feature.

ince name is an identifying name or number for a specific type of conveyance licates the category or major class of the description, such as subdivision or assessor plat

The first division is the primary division of the survey system. Examples are blocks and lots. These are nested within the simultaneous conveyance and do not cross its boundaries. First divisions may or may not tessellate or uniquely divide the entire simultaneous conveyance.

Name for the conveyance, often a numeric value. The type of conveyance.

The primary key for the polygon feature.

in alpha, numeric, or alphanumeric designator used to identify the first division of the survey syste The classification of the first survey system division.

The second survey division is the subdivision of the first division hese are nested within the first division and do not cross the first vision boundaries. The second division may or may not tessellate or iquely divide the entire first division.

ee SurveyFirstDivision

primary key for the polygon feature

n alpha, numeric, or alphanumeric designator used to identify the first division of the survey system, bes the classification of the first survey system division.

This diagram depicts a portion of the ArcGIS land parcel data model. You an find this and other complete data nodels by going to support@esri.com and clicking the links to 'ArcGIS Desktop' and 'Data Models'.

Cluster tolerance 0.01 m

Boundary	2	
TaxParcel	3	
SimultaneousConveyance	4	
SurveyFirstDivision	5	
SurveySecondDivision	6	
Topology rule	Compari	son feature clas
Must be covered by endpoint of	Boundary	
Endpoint must be covered by	Corner	
Must not have dangles		
Boundary must be covered by	Boundary	
Boundary must be covered by	Boundary	
Boundary must be covered by	Boundary	
Must not overlap		
Must not overlap		
Must be covered by	Simultar	neousConveyanc
Must not overlap		
Must be covered by	SurveyFirstDivision	
Must not overlap		
	Boundary TaxParcel SimultaneousConveyance SurveyFirstDivision SurveySecondDivision Topology rule Must be covered by endpoint of Endpoint must be covered by Must not have dangles Boundary must be covered by Boundary must be covered by Must not overlap Must not overlap Must be covered by Must be covered by Must be covered by Must be covered by	Boundary 2 TaxParcel 3 SimultaneousConveyance 4 SurveyFirstDivision 5 SurveySecondDivision 6 Topology rule Compari Must be covered by endpoint of 6 Endpoint must be covered by Must not have dangles Boundary must be covered by 9 Boundary must be covered by 9 Must not overlap 10 Must not overlap 10 Must be covered by 10 Must not overlap 10 Must be covered by 10 Must not overlap 10 Must not overlap 10

lopology

Coded value domain SimultaneousConvevanceType Description Field type String Split policy Default Value Merge policy Default Value Assessor Plat Assessor Plat Cemetery Cemetery Condominiun Condominiu Farm Lot Farm Lot French Long Lot French Long Lot Indian Allotment Indian Allotment Plat of Survey Plat of Survey Protraction Block Protraction Bloc Small Holding Claim Small Holding Clain Small Tracts Act Small Tracts Act Subdivision Subdivision Survey Survey Townsite Townsite nited States Survey United States Surve Other Other

Domains are used to validate attributes. This is one of many domains in this data model.

> The ArcGIS Land Parcel Data Mode was developed by Nancy Von Meye of Fairview Industries in cooperatio vith many agencie

THE ARCGIS LAND PARCEL DATA MODEL

