Editing Parcels with the Local Government Information Model

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Parcel Editing with ArcGIS 10.1

Improved Parcel Editing Workflows

- Most common Parcel Editing workflows
  - Parcel Splits
  - Parcel Merges
  - New Subdivisions
  - Boundary Line Adjustments
  - CAD integration
Parcel Fabric Data Model
Optimized Data Model for Parcels
What is a Parcel Fabric?

Parcel Fabric Data Model
Parcel Fabric

Plans

- Store and Manage recorded information about parcels
- One or many parcels are contained within a plan
Parcel Fabric
Parcels

Parcel Polygon has related lines
Lines have related points
Parcel Fabric

Lines/Points

Lines store record dimensions

Points are stored on the ends of lines
Parcel Fabric

LinePoints

Preserve original record dimensions, ensure topology between parcels
All Subdivisions, Lots, Tax Parcels, etc. are “Parcels” in the Parcel Fabric
Local Government Information Model (LGIM)

Parcel Editing

- Updates to the Parcel Fabric data model
- Optimized for Parcel Workflows
- Configured map for streamlined editing experience
Local Government Information Model (LGIM)

Land Records Maps and Apps

- Parcel Value for iPhone
  - Access to tax parcel and assessment information on iPhone
- Tax Map Book
  - Production of tax map books
- Tax Parcel Editing
  - Parcel editing and maintenance
  - Migration of parcel data
- Tax Parcel Viewer
  - Access to tax parcel and assessment information
- Value Analysis Dashboard
  - High level view into changes of property assessments
Exploring the Tax Parcel Editing Map

Jason Camerano
Parcel Editing Workflows

Efficient workflows for maintaining Parcels
10.1 Workflows

Parcel Workflows

- 10.1 – Available on the 10.1 web-based help system
- Configured to work against the Parcel Fabric and LGIM
- Based on best practice and leverage the core ArcGIS system, no addins/customization needed
- Sample dataset available on the Resource Center
Parcel Split: Metes and Bounds
Jason Camerano
Road Ahead: 10.1 SP1

Automated workflows for maintaining Parcels
10.1 SP Automated Workflows

Parcel Workflows

- 10.1 SP1 – even easier, more streamlined
- LGIM enabled Parcel Fabric available with the core ArcGIS system
- Workflows available with the core ArcGIS system, upgrade available at 10.1 SP1
10.1 SP Automated Workflows

Parcel Workflows

Demonstration using Dallas Central Appraisal District (DCAD) Parcels

- Dallas Central Appraisal District (DCAD) manages 660,166 tax parcels for County of Dallas (1.3 million total).
- DCAD encompasses 900 sq. miles, and is the 9th most populous county in the US
- In production with 10.1
Road Ahead
10.1 SP1
Jason Camerano
UC Presentations

Sessions to attend

Technical Workshops

Using CAD Parcel data with the Local Government Solution **Wednesday, 1:30 - 2:45**

Migrating Parcel data to the Local Government Information Model **Wednesday, 10:15 - 11:30**

Editing Parcels with the Local Government Information Model **Thursday, 8:30 - 9:45**
UC Presentations

Sessions to attend

Demo Theaters

Working with Annotation and Labels for Parcels
Wednesday, 1:00 - 1:30; Thursday, 10:30-11:00

Creating a Tax Map using the Local Government Solution
Thursday, 11:00 – 11:30
Steps to evaluate UC sessions

- My UC Homepage ➔ “Evaluate Sessions”

- Choose session from planner
  OR

- Search for session

www.esri.com/ucsurveysessions
• Thank you for attending
• Have fun at UC2012
• Open for Questions

• Please fill out the evaluation:

www.esri.com/ucsessionssurveys

First Offering ID: XXXX
Second Offering ID: XXXX
Arrows

Arrows for Connecting Items

Arrows for Connecting Large Concepts
Shapes for Diagrams

Quick Style: Subtle Effect
- ArcGIS
- ArcGIS
- ArcGIS
- ArcGIS
- ArcGIS
- ArcGIS

Quick Style: Moderate Effect
- ArcGIS
- ArcGIS
- ArcGIS
- ArcGIS
- ArcGIS
- ArcGIS

DON'T APPLY EFFECTS from the Design tab
Shapes for Diagrams (continued)

- Circle behind a group of objects
- Cloud optimized for use behind diagrams
- Cloud for general diagram
- Content box for each tier (see sample diagrams)
- Optional: Use as a frame around showcased screenshots
Globes

Databases

Layers

Files

Table

Legend

Network

Models

CD/DVD

Internet/Cloud