

Overview

The REGIS data editing course will introduce the user to a SDE Geodatabase and show how the REGIS data editing environment is set up. The course will then dive into how to get a version setup in REGIS to create or maintain features and edit the actual tabular data (attributes) that are associated with the feature in REGIS. Next, the course will cover the data editing toolbars available and have exercises that involve frequently used tools that can be utilized to speed up the data creation process. The user will be taught the importance of the snapping environment and how it relates to topology and geometric network. The course will wrap up with giving you a brief introduction to the Coordinate Geometry (COGO) tool, which can be used to create features such as parcels and easements from property descriptions.

Who Should Attend

This course is designed for current REGIS users who would like to edit REGIS data or for any advanced REGIS data editors who would like to learn about new advanced editing tools that will help in daily editing procedures. This course assumes the user has attended REGIS Intermediate and Advanced GIS (ArcGIS Parts I and II).

Course Outline

1) REGIS Data Editing ArcGIS 10

- a) Welcome
- b) Logistics
- c) About REGIS
- d) What is a GIS?
- e) Components of Geographic Data
- f) Getting “Online” Help

2) SDE Geodatabase & Versions

- a) Overview of REGIS GIS Applications
- b) What is a SDE Geodatabase --[Exercise 2.1 \(How to Create a Database Connection\)](#)
- c) REGIS Data Editing Environment
- d) What is Versioning -- [Exercise 2.2 \(How to Change Versions and Start Editing\)](#)
- e) Accessing the REGIS Environment
- f) Recent Move From ArcGIS 9.3 to 10

3) Editing Features & Attributes

- a) Types of Vector Data
- b) Editing Toolbar Overview
 - (1) Create Features Window --[Exercise 3.1 \(Create a Feature\)](#)
 - (2) Feature Templates
 - (3) How the Direction and Deflection Commands Work
 - (4) Rotate Tool --[Exercise 3.2 \(How to Set Direction, Distance and Rotate Features\)](#)
 - (5) Copy Parallel
 - (6) Flipping Lines & Flow Direction--[Exercise 3.3 \(Copy Parallel and Flip Lines\)](#)
 - (7) Split Tool
 - (8) Attribute Editing

- (a) Subtypes
- (b) FacilityID --[Exercise 3.4 \(How to Edit Attributes\)](#)

4) Snapping Environment

- a) Snapping Tolerance
- b) Snapping Options --[Exercise 4.1 \(Using the Snapping and Feature Construction Toolbars\)](#)

5) Other Editing Toolbars in REGIS

- a) Advanced Editing Toolbar --[Exercise 5.1 \(How to use the Split and Flip Tools\)](#), [Exercise 5.2 \(Copy Features and Fillet\)](#), [Exercise 5.3 \(Trim and Line Intersection\)](#)
- b) Infrastructure Editing Toolbar
- c) Infrastructure Reporting Toolbar (Analysis)

6) Topology & Geometric Networks

- a) Geometric Networks
- b) Topology
- c) Network Junctions
- d) Connectivity --[Exercise 6.1 \(Geometric Network Editing\)](#)
- e) Overview of the COGO Tool