TEACHMEGIS.COM
GIS TRAINING CENTER

Introduction to ArcGIS Pro for NextGen 9-1-1

Course Length: 2 days
ArcGIS Version: Pro 3.x
App: ArcGIS Pro

Overview

A Geographic Information System (GIS) is an integral part of a NextGen 9-1-1 system. Maps, tied to database tables, allow addresses to be located, and quick identification of the appropriate emergency services responsible for responding to that address. This course introduces the ArcGIS Pro software and teaches the fundamental concepts necessary to use the software to query and work with GIS data.

Audience

Anyone responsible for working with maps and GIS data for emergency response and NextGen 9-1-1 systems.

Topics Covered

Day 1

- GIS and the 9-1-1 World – Understanding the importance of GIS in NextGen 9-1-1. (What is GIS?; GIS and 9-1-1)
- ArcGIS Pro Basics – Understanding how data is tied to maps and introducing the ArcGIS Pro project. (Starting a Project; Parts of the Interface; Essential Tools on the Ribbon)
- Map Layers – Organizing the layers of your map for speed and to make it more readable. (GIS Data Layers; GIS Data; The Layers that Comprise a NG9-1-1 GIS Database)
- Using Symbology to Analyze Data – Changing colors and symbols to make maps more readable, and to expose attributes for data QC. (Applying Symbology in ArcGIS Pro; Symbology Choices)
- Asking Questions of Your Data – Using queries to find and analyze data, and to QC data. (Selecting Features; Interactive Selection; Select By Attributes; Select By Location; Using the Selection)

Day 2

- Understanding GIS Data – Learn the types of data that can be used in an ArcGIS Pro project and where to find it. (GIS Data Types; Understanding the ArcGIS Pro Project; Finding and Adding Data to a Map)
- Optimizing the Display of Your Data – Setting layer properties to design a better looking and more functional map. (Layer Properties; Layer Appearance Ribbon; Labels Ribbon; Data Ribbon; Layer Organization; Layer Files)

- Designing Your Map for Presentation – Creating a map for orinting or sharing as a PDF. (Working With Map Frames; Working With Elements; Sharing Layouts)
- Geoprocessing – Using analysis tools to manipulate data. (Geographic Analysis; Running Tools)

Format

In-person or virtual instruction with hands-on practice and course materials you can keep.

Prerequisites and Recommendations

Attendees should have knowledge of Microsoft Windows®.