

ATC Training: **Learning AutoCAD Map 3D 2010 for Geospatial**

Courseware Description

This courseware is designed to enable users to learn the geospatial features and functions of AutoCAD® Map 3D 2010, including how to **Create**, **Manage**, and **Analyse** geospatial data. In addition learn the fundamental and advanced features of the geospatial tools in AutoCAD Map 3D 2010.

Objective

The primary objective of the course is for delegates to learn the geospatial fundamentals of AutoCAD Map 3D 2010, and through hands-on exercises learn how to create, edit, manage, and analyse geospatial data such as SDF or SHP files.

After completing this class, users will be able to:

- Ø Establish a geospatial environment.
- Ø Edit geospatial features.
- Ø Manage geospatial features using Buffers and Bulk Copy.
- Ø Use workflows to automate geospatial processes.
- Ø Use job processes to solve geospatial problems.

Who Should Attend

This courseware is designed for users of AutoCAD Map 3D who want to use geospatial data.

Prerequisites

It is recommended that delegates complete the *Learn AutoCAD* and *Learn AutoCAD Map 3D* courses.

It is also recommended that delegates have a working knowledge of Microsoft® Windows® XP or Microsoft® Windows® 2000.

Course Code: EM0615_MAP2010ESGSP

Course Duration: 1 day

File Name: TRN_AIT_ATC_MAP2010_Essentials_Geospatial_010409_dg_v2

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Course Outline

Establishing a Geospatial Environment

- Ø Connecting to a Feature Source
- Ø Working with Point Data
- Ø Using Coordinate Systems
- Ø Query Features on Connect

Stylizing Features

- Ø Stylising Features
- Ø Enhanced Feature Styles

Editing Features

- Ø Editing Feature Attributes and Geometry
- Ø Working with DEM Files
- Ø Moving Data Between DWG™ Objects and FDO Features
- Ø Merging and Splitting Features

Managing Features

- Ø Using Bulk Copy
- Ø Using Joins with Feature Sources
- Ø Using Buffers
- Ø Using Calculated Fields
- Ø Adding Geospatial Data Validation
- Ø Using Overlay Analysis

Workflows

- Ø Using Workflow Designer for Overlay Analysis

Job Processes

- Ø Updating Parcels with a Newly Subdivided Zoning Area
- Ø Creating a Map Using Cartographic Standards
- Ø Sharing Geospatial Data with a Third Party

Note: The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

AIT Spatial Workshops

As an alternative to the standard ATC course, we are also able to provide an AutoCAD Map 3D 2010 Workshop covering a selection of those topics listed above. If you are interested in undertaking an AutoCAD Map 3D 2010 Workshop, please contact us and we can discuss your bespoke requirements.