

Questions and Answers for AutoCAD Map 3D Industry Toolkits

AutoCAD® Map 3D software is one of the leading engineering platforms for creating and managing spatial data. AutoCAD Map 3D bridges CAD and GIS by providing direct access to data and enables the use of AutoCAD® software tools for maintaining a broad variety of design and geospatial information.

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1. General Product Information

1.1. What are the AutoCAD Map 3D 2009 Industry Toolkits?

The AutoCAD® Map 3D Industry Toolkits provide users of AutoCAD Map 3D, industry specific data models for water, wastewater and electric utilities and supporting AutoCAD Map 3D templates and documentation. The Industry Toolkits are made up of several components to enhance productivity and support data standardization for AutoCAD Map 3D 2009 users. The toolkits include:

- Data models - A set of industry object classes and corresponding data attributes. For example, an overhead conductor and the voltage carried by that conductor.
- A set of pre-configured industry symbols that are tied to the object classes.
- AutoCAD Map 3D drawing (DWT) and Object Classification template (XML) files.
- User documentation including User's Guide, Workflows and Data Model Schema.
- Instructional videos

The Industry Toolkits help AutoCAD Map 3D customers become more productive with AutoCAD Map 3D's Object Classification functionality.

1.2. Where can I access the AutoCAD Map 3D Industry Toolkits and how much do they cost?

The AutoCAD Map 3D Industry Toolkits are provided as free* downloads to AutoCAD Map 3D 2009 Subscription customers. In North America, the toolkits are available from within Subscription Center at www.autodesk.com/subscriptioncenter

The AutoCAD Map 3D Industry Toolkits are for use only with licensed AutoCAD Map 3D software, and are subject to the terms and conditions of the Autodesk Software License Agreement that accompanies that licensed software.

1.3. Who can use the AutoCAD Map 3D Industry Toolkits?

The AutoCAD Map 3D Industry Toolkits are available exclusively for users of AutoCAD Map 3D 2009. In particular, they are intended for utility industry planners, drafters, engineers, and designers to allow them to improve adherence to data standards and increase drafting productivity for transmission and distribution system networks by leveraging the powerful functionality of AutoCAD Map 3D software.

1.4. What are the benefits of using the AutoCAD Map 3D Industry Toolkits?

By leveraging the Industry Toolkits, Utilities can

- Improve drafting productivity of facilities for new and experienced staff
- Define and apply data standardization and intelligence (for example attribute information that specifies facility information such as manufacturer, part number and material) into the drafting process.
- Easily integrate data coming from external contractors and other departments to match established standards.
- Easily prepare CAD data for Geographic Information Systems (GIS) or mapping systems.
- Allow design data to be more effectively understood and used throughout the organization.

1.5. How do the Industry Toolkits improve drafting productivity?

By using AutoCAD Map 3D with the Industry Toolkits, staff can draft by real-world objects, and not worry about AutoCAD® layer settings. When these objects (drawing entities) are created using AutoCAD Map 3D Object Classification, the objects inherit the properties of their corresponding object class. For example, a newly drafted 'pipe' will be created on the pipe

layer, and have the 'pipe' object data table assigned. This reduces steps and helps ensure that data standards are enforced, maintaining data integrity.

1.6. How do the Industry Toolkits help integrate data coming from external contractors and other departments?

Using the Industry Toolkits, data that is submitted in DWG or other file formats can be easily classified to match Industry Toolkit object classes. When objects are classified, they inherit the layer and attribute characteristics of the corresponding object class. This enables you to easily apply data standardization across differing groups and departments, making it easy to effectively share and use information.

1.7. Are there additional benefits of using AutoCAD Map 3D and the Industry Toolkits?

Yes. By building data standardization and intelligence into the drafting process, you can improve the accuracy and integrity of the data used for reporting and maintenance scheduling. Additionally, by having data structured by real world objects (for example, pads, poles, transformers and conductors) you can use other AutoCAD Map 3D functionality to quickly and easily create accurate materials lists as well as analyze and visualize data in the form of a map. For example, see all pipes or cables of a similar age and condition.

1.8. How do AutoCAD Map 3D and the Industry Toolkits build a foundation for Autodesk Utility Design and Autodesk Topobase solutions?

It is important to have a strong data foundation in order to support increased network maintenance and infrastructure build-out using fewer staff. As utilities embrace newer technologies for managing networks in real-time (for example, SmartGrids), better design processes are essential. In order to complete this design work faster, more easily and more accurately, you will require software that supports industry standards for data access and synchronization of information. With AutoCAD Map 3D built on industry standard AutoCAD software, you have the foundation on which to integrate your design, spatial and asset information. Other Autodesk solutions such as Autodesk® Utility Design software for utility network design automation and standardization and Autodesk® Topobase™ software for as-built asset maintenance and integration of your facilities data across the enterprise provide additional benefits.

Autodesk Utility Design:

Autodesk Utility Design is an advanced network design tool built on AutoCAD Map 3D. While AutoCAD Map 3D enables integration of spatial data, helps support CAD standards and can be used to perform analysis and generate bills of materials, Autodesk Utility Design provides automation enabling designers and planners to quickly generate finished construction work orders for gas, electric and water systems that include layouts, engineering data, bills of materials (BOMs), design scenarios, and cost estimates. By using AutoCAD Map 3D and the Industry Toolkits to organize, cleanup and classify spatial information, this data can be more easily utilized by other groups and software applications, such as designers or planners using Autodesk Utility Design.

Autodesk Topobase:

Data organization and data cleanup are required tasks in order to move new and existing design and as-built information into a centralized database solution. By using AutoCAD Map 3D and the Industry Toolkits organizations can easily create, organize and classify spatial data using a data model that is derived from Autodesk Topobase, and clean CAD and GIS data of common errors, saving data migration costs and enabling faster incorporation into an asset information solution such as Autodesk Topobase.

2. Autodesk Subscription

2.1. What is Autodesk Subscription?

Autodesk® Subscription is the best way to stay current with the latest design technology, while gaining the benefits of simplified software management, easy budgeting, e-Learning, and web support. For a fixed annual fee, you get access to software enhancements that keep your design tools up to date and make the most of your investment. Autodesk Subscription includes the following at no additional charge:

- Access to all upgrades released during the subscription term

- Download of extensions for products under subscription
- Use of e-Learning lessons and knowledge assessments
- Web support for your Autodesk products under subscription (if included in your contract)
- Access to the members-only Subscription Center
- Subscription contract administration tools

To learn more, contact your [Autodesk Authorized Reseller](#).

Note: Certain program features may vary according to the product under subscription.

2.2. Who is Autodesk Subscription for?

Autodesk Subscription is available to all users worldwide for most Autodesk products. Check with your Autodesk Authorized Reseller for product availability or view the current list. Certain Autodesk products are offered exclusively through Autodesk Subscription.

2.3. What is the Subscription Center?

The Subscription Center is a password-protected online application where subscription members access program benefits, downloads, exclusive community content, and Subscription Administration where you view your subscription coverage reports and maintain your contact information.

2.4. What are the benefits of Autodesk Subscription?

Get the benefits of increased productivity, predictable budgeting, and simplified license management with Autodesk Subscription. Customers get new upgrades of their Autodesk software and any incremental product enhancements, if these are released during the subscription term, by electronic download or physical shipment; incremental product enhancements via extensions; and exclusive license terms available only to subscription members. A range of community resources, including web support direct from Autodesk technical experts and self-paced training to extend user skills, make Autodesk Subscription the best way to optimize the Autodesk software investment.

To learn more, visit www.autodesk.com/subscription. AutoCAD Map 3D subscription is sold by Autodesk Authorized Resellers on behalf of Autodesk.

3. Purchase Information

3.1. Where can I purchase AutoCAD Map 3D?

AutoCAD Map 3D 2009 is available worldwide. Contact your local Autodesk Authorized Reseller for more information. To locate one near you, visit www.autodesk.com/reseller.

3.2. Can I try AutoCAD Map 3D 2009 software before I buy it?

Yes, you can try it out by requesting the AutoCAD Map 3D 2009 software trial version.

This fully functioning version of AutoCAD Map 3D 2009 is available as a free* 30-day trial.

You can obtain a trial version of AutoCAD Map 3D from your Autodesk Authorized

Reseller or online at www.autodesk.com/autocadmap3d-trial.

3.3. Can I crossgrade from AutoCAD?

Yes, you can crossgrade to AutoCAD Map 3D 2009 from AutoCAD software. If you are an engineering or GIS professional who needs to access and edit data in a variety of formats, AutoCAD Map 3D 2009 software is for you.

3.4. Do I have to purchase AutoCAD Map 3D with subscription?

No, you do not have to purchase AutoCAD Map 3D with subscription. However, only current subscription customers receive automatic product upgrades. There are several subscription pricing options, including single and multiyear contracts, to best meet your needs. Contact your reseller for more information about Autodesk® Subscription.

*Free products are subject to the terms and conditions of the end-user license agreement that accompanies download of the software.

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