AutoCAD Map 3D 2011 Hotfix for Point Cloud 2011 Readme

- **Thank you for downloading Point Cloud HotFix for AutoCAD® Map 3D 2011 and Autodesk Civil 3D 2011**

This readme contains the latest information regarding the installation and use of this update.
It is strongly recommended that you read this entire document before you apply this update to your product. For reference, please save this document to your hard drive or print a copy.

Contents

Affected Products

This update applies to the following products:

- AutoCAD® Map 3D 2011

- Autodesk Civil 3D 2011

Issue Resolved by This Update

Original Issue:
Coordinate system support for processing point cloud data is limited to a subset of the Map 3D coordinate system library; When using the Point Cloud Manager to assign a coordinate system to a point cloud source file (.LAS, .XYZ or .ISD) the Coordinate System cell displays <None> and the Generate index button is disabled. You are unable to assign the correct supported coordinate system for your point cloud data and are in a situation where you cannot create an index file.

Hotfix update:

This Hotfix will allow you to create a point cloud database without a coordinate system assigned to the resulting index file. In some cases, selecting a coordinate system using the assign dialog will return <None> to the coordinate system cell, but the Generate index button will now be enabled.

You will still be able to display and work with point cloud data in your map without a coordinate system, but you will not be able to do coordinate transformation of your point cloud data in Map 3D. Without a coordinate system assigned to the index file, you will not be able merge point cloud data using the Point Cloud Manager.

For best results, assigning a coordinate system will ensure that your point cloud data is accurately positioned. If your point cloud data cannot be referenced to a supported coordinate system; make sure your map is in the same coordinate system as the point cloud database.

Installation Instructions

To install the Point Cloud UI EPSG Limitation Hotfix

You must have administrative privileges on your Microsoft® Windows® operating system to complete the installation process.

NOTE: This installation process requires you to modify an installed product, which may cause Windows security warnings to appear. For all Windows security warnings that appear during installation, click Continue.

1. Close all software applications.
2. Navigate to the folder where your AutoCAD product is installed, for example, *C:\Program Files\Autodesk/AutoCAD Map 3D 2011*.
3. Right-click *Autodesk.Map.PointCloud.UI.dll and ManagedMapPointCloud.dll files.* Select Properties.
4. Verify the file version.
    - If the version number is less than 14.0.45.0, proceed with this installation.
    - If the version number is equal to 14.0.45.3 or greater, then this hotfix has already been applied and you do not need to proceed with the installation.
5. In the folder specified in Step 2, right-click *Autodesk.Map.PointCloud.UI.dll* and rename it *Autodesk.Map.PointCloud.UI.dll.bak* and the *ManagedMapPointCloud.dll* to *ManagedMapPointCloud.dll.bak*.
6. Download the appropriate 32bit or 64bit zip file and extract the *Autodesk.Map.PointCloud.UI.dll and ManagedMapPointCloud.dll* files to a temporary folder, for example, *C:\Temp*.
7. Copy the *Autodesk.Map.PointCloud.UI.dll and ManagedMapPointCloud.dll* files to the folder specified in Step 2.

8. Right-click the new *Autodesk.Map.PointCloud.UI.dll and ManagedMapPointCloud.dll* files and select Properties. Confirm that this file is version 14.0.45.3.

NOTE: To remove this hotfix, delete the new *Autodesk.Map.PointCloud.UI.dll and ManagedMapPointCloud.dll* files that you downloaded to the folder specified in Step 2 and restore the file you renamed in Step 5 to its original name.

Files Patched by This Update

The following files will be updated in this directory : ***<local_drive :>* Program Files\Autodesk\AutoCAD Map 3D 2011:**

Autodesk.Map.PointCloud.UI.dll

ManagedMapPointCloud.dll