

Tips for Transitioning From ArcGIS 10.0 to ArcGIS 10.1, 10.1 to 10.2, 10.2 to 10.3 and 10.3 to 10.4; and Dealing with Issues in All Versions

Edited by: Rich Strazzo, Lorri Peltz-Lewis, etc. Updated 5/31/16

Contents

Do the Following Prior to Uninstalling ArcGIS 10.0 and the FIMT 10.0 Tools	2
• Style Issues	2
• Clean Uninstall – including Extensions.....	2
• Map templates.....	2
• WHERE ARE MY .PRJ files???	2
FIMT 10.0.11 Geodatabase Compatibility from ArcGIS 10.0 to 10.1, 10.1 to 10.2, 10.2 to 10.3 and 10.3 to 10.4	3
Working with Different ArcGIS License Levels on the Same Incident (Basic and Advanced)	3
FIMT Editing Workaround in MXD’s When Both ArcGIS 10.2 and 10.3 or ArcGIS 10.3 and 10.4 are Used on the Same Incident.....	3
Rolling back MXD’s and Layer Files from ArcGIS 10.0 to 10.x.....	4
• MXD rolling back	4
• LYR rolling back	4
• GDB issues.....	4
Issues with ArcGIS 10.1 to 10.0.....	4
• Calculate Geometry	4
• NAD27	4
Issues with ArcGIS 10.2	4
• Excel Connection not working in.....	4

Do the Following Prior to Uninstalling ArcGIS 10.0 and the FIMT 10.0 Tools

- **Style Issues** - The new 2013 FIMT Add-Ins for ArcGIS 10.0 and 10.1 no longer install the two FIMT ESRI style files ("*FIMT Fire Mapping BW.style*" and "*FIMT Fire Mapping.style*") into the standard "*\Program Files (x86)\ArcGIS\Desktop10.0 or 10.1\Styles*" folder.
 - Until the latest FIMT style files are available for download, it is recommended that before uninstalling ArcGIS 10.0 and FIMT for ArcGIS 10.0, go to the folder noted above and copy the two FIMT style files to a backup folder on your computer.
 - After installing ArcGIS 10.1, copy the style files to the "*\Program Files (x86)\ArcGIS\Desktop10.1\Styles*" folder.
- **Clean Uninstall – including Extensions** - There have been problems with uninstalling tools that were installed in ArcGIS 10.0 after ArcGIS 10.1 has been installed.
 - To keep this from occurring, before uninstalling ArcGIS 10.0, uninstall the FIMT, CAL FIRE Tools, XTools and any other tools that were created specifically for use in ArcGIS 10.0.
 - If you have already installed ArcGIS 10.1 and are now having difficulty uninstalling the FIMT or other tools, you can download the Revo Uninstaller Pro software (30 day free use) and use it to uninstall the tools. A video of using this tool to uninstall the FIMT 10.0 Tools was recorded by Lorri Peltz-Lewis and can be downloaded from the USFS FTP site at ftp://ftp2.fs.fed.us/incoming/wo_fam/GeospatialSubcommittee/HowToUninstallFIMT10.0afterArcGIS10.1wasInstalled/. The tool has also been posted at this site.
- **Map templates** used by the **Change Layout** tool (in the **Select Template** dialog box) on the **Layout** toolbar are no longer stored in a folder in the "*\Program Files (x86)\ArcGIS\Desktop10.0\MapTemplates*" folder. They are now embedded in the ArcGIS code. Your favorite map templates must be placed in a specific folder in order to be displayed in the **Select Template** dialog box.
 - If you would like to make the FIMT 10.0 IAP or your favorite map templates available in the **My Templates** tab of the ArcGIS 10.1 **Select Template** dialog box, you must copy the MXDs from their current location and paste them into the following folder of your user profile: "*C:\Users\[YourProfile]\AppData\Roaming\ESRI\Desktop10.1\ArcMap\Templates*" (*[YourProfile]* is your user name).
 - The IAP map templates installed with the FIMT tools for ArcGIS 10.0 can be found in the following folder: "*\Program Files (x86)\FIMT\Templates*".
- **WHERE ARE MY .PRJ files???** Esri has removed these from the install location and made them internal. You can still get to these and save them to your Favorites (projections) when the files are now written to the hard drive at:
C:\Users\USERNAME\AppData\Roaming\ESRI\Desktop10.1\ArcMap\Coordinate Systems (Windows 7) more at: <http://support.esri.com/en/knowledgebase/techarticles/detail/39488> also help vote this up on ArcGIS Ideas at: <http://ideas.arcgis.com/ideaView?id=087E00000004WNeIAM>

FIMT 10.0.11 Geodatabase Compatibility from ArcGIS 10.0 to 10.1, 10.1 to 10.2, 10.2 to 10.3 and 10.3 to 10.4

Tests were performed at the ArcGIS Basic (ArcView) license level to see if a geodatabase created with the ArcGIS 10.1 version of FIMT 10.0.11 could be edited in ArcGIS 10.0. The tests showed that not only could the geodatabase be edited in ArcGIS 10.0, but it could be repeatedly edited back and forth between the two ArcGIS versions with no errors occurring. The same results were found with a geodatabase that was initially created in ArcGIS 10.0. No tests have been performed yet to see if there are any issues editing FIMT geodatabases at the ArcGIS Basic license level that were created in ArcGIS Standard (ArcEditor) or Advanced (ArcInfo). These same results were found between ArcGIS 10.1 and 10.2.x, and 10.2.x and 10.3.

When working on an incident where ArcGIS 10.3 and 10.4 are being used, it is best to only edit the FIMT GDB on a computer with ArcGIS 10.3. Tests showed that editing a FIMT GDB back and forth between ArcGIS 10.3 and 10.4 worked fine at times, but there were occasions where the FIMT GDB and/or the MXD would become unstable and possibly become corrupt. In some tests, when attempting to use an MXD that had previously been used to perform FIMT edits, many of the FIMT tools would not enable or function properly if the FIMT GDB had been edited in a different version of ArcGIS. If editing must be done in both versions, there were few problems when the FIMT GDB was opened in a new MXD using the FIMT **Open Incident** tool each time the GDB was edited using a different version of ArcGIS. Make sure you back up the FIMT GDB before attempting this, though.

Working with Different ArcGIS License Levels on the Same Incident (Basic and Advanced)

If GISS' with ArcGIS Basic and Advanced licenses are working on the same incident, it's recommended that the Advanced users **not** enable feature linked annotation or use any editing tools/functions that are not available in ArcGIS Basic. If feature linked annotation or ArcGIS Advanced license tools and functions are used, ArcGIS Basic users will not be able to edit FIMT or other features classes created/edited by the Advanced users. This has been a major problem on many incidents and this is the best way to prevent problems from occurring.

FIMT Editing Workaround in MXD's When Both ArcGIS 10.2 and 10.3 or ArcGIS 10.3 and 10.4 are Used on the Same Incident

Initially create the MXD used for editing the FIMT GDB and the FIMT GDB in ArcGIS 10.2. Add all base data layers that are necessary to facilitate editing in this MXD. Once this is done, editing can be done on different GISS' computers in the same MXD with either ArcGIS 10.2 or 10.3. The only caveat is that when editing in ArcGIS 10.3, only save the edits in the GDB and do not save the MXD. If additional layers must be added to assist in editing in ArcGIS 10.3, they must be added by a GISS who is using ArcGIS 10.2 after which the MXD must be saved. Once this has been done, ArcGIS users with either version of ArcGIS can edit and save the FIMT GDB. These same principles will work if GISS' are using ArcGIS 10.3

and ArcGIS 10.4 on the same incident, but it is recommended that editing should be only done in ArcGIS 10.3 (see the last paragraph in the section above for possible issues).

Rolling back MXD's and Layer Files from ArcGIS 10.0 to 10.x

- **MXD rolling back** – Use File-> Save A Copy – set the Save as type: ArcMap 9.3 Document (*.mxd) – using the 10 version is still inconsistent. NOTE: incorporate the ArcGIS version into your file naming conventions in order to identify the version used to create the .mxd!
 - This method must also be used to roll back ArcGIS 10.3 to 10.2 and 10.4 to 10.3 MXD's.
 - For the most part, rolling back MXD's from ArcGIS 10.2 to 10.1 is not necessary. MXD's created in 10.2 are backward compatible with 10.1.
- **LYR rolling back** – using Save As Layer File – set the Save as type: 9.3 Layer files (*.lyr) – using the 10 version is still inconsistent. NOTE: incorporate this into your naming conventions as well! ALSO if you have any of the new 10.1 capabilities loaded you will not be able to write back to 9.3 or 10.0 versions.
- **GDB issues** – Use caution when working with GDBs under 10.1. If you use any special capabilities available at 10.1 then 10.0 will most likely not be able to access the GDB.

Issues with ArcGIS 10.1 to 10.0

- **Calculate Geometry** – ArcGIS 10.0 results are incorrect. This was fixed at 10.1 and more recent versions.
- **NAD27** is no longer projected on the fly at 10.1 and up. Set the correct transformation when you load data defined this way to over-ride this.

Issues with ArcGIS 10.2

- **Excel Connection not working in ArcGIS** – ArcGIS doesn't recognize xlsxm (MS 2013) only acceptable formats are xlsx or xls. The ArcGIS Microsoft Office Excel connector doesn't work with MS versions newer than 2007. **SOLUTION:** install the 2007 Office System Driver: Data Connectivity Components available free at: <http://www.microsoft.com/en-us/download/confirmation.aspx?id=23734> this will require a restart of your computer, if you don't restart it will tell you the install failed. Restart as soon as possible and this should work.
 - Alternative Workarounds:
 - Roll back to earlier XLS formats may work, but you will still get connection errors, on second attempt you should be able to connect, but still with errors.
 - Roll back to a CSV format does work.