Preparation of TOM for Running on Windows 10 Operating System

The Train Operations Model (TOM) can run under Microsoft Windows 10. However, some preparation is required in order to fully utilize all of TOM features. This document provides step by step instructions on preparing for full TOM feature running. The preparations and the instructions for carrying them out fall into three categories:

1. Opening Inconvenience
2. Operating System and Color Correction
3. Built in Help

The first step is to install the TOM following the instructions in the read1st.txt file provided in the installation package.

Opening Inconvenience

Clicking the TOM icon on the desktop or attempting to open the TOM any other way results in a query to the user, asking him or her if changes to the computer are to be permitted by this program. The answer Yes will allow the program to open and No will not allow the program to open.

If this is inconvenient and the user is not concerned about any other application from making changes to the computer, this query can be turned off using the following procedure:

Step 1 Go to the Control Panel.
Step 2 Click on User Accounts.

Step 3 Click User Accounts.
Step 4 Click Change User Account Control Settings.
Step 5 Move the Slide Button to Never Notify.
Step 6 Click the OK command button followed by a click on the Yes command button that appears.

Opening the TOM and other programs will no longer have the inconvenience of the query before it runs.

There may be other ways for a user to designate particular programs absent this query. See https://answers.microsoft.com/en-us/windows/forum/windows_10-security-winpc/disabling-uac-approval-for-specific-programs-in/745a3740-679a-42f9-9c51-59475c9cd2ff?page=1
Operating System and Color Correction

There are compatibility issues that plague Windows 10 running of the TOM. Certain compatibility issues can be set by right clicking on the TOM executable (tomvbx01.exe) in the applications directory (c:\tom) and selecting the menu item properties. This provides the following screen:

Clicking the Compatibility tab produces the next screen, which should be set up as indicated.
Settings should be set the same way for the following two additional executables:

Train Movement Simulator (tomtmsv3.exe) and Graphics Package (tomgrfvb.exe)

These settings will allow for the proper running of the TOM with correct color settings for graphic application.
The Train Operations Model (TOM) uses *.hlp files to access the ?/Help at the top of each screen. (Click on the ? at the top of each screen and bring the cursor down to an object on the screen. Help is provided on that object.)

This format was supported by older versions of Windows, but Windows 10 doesn’t have native support for it which means that you can’t open .hlp files on Windows 10. This can be a problem for certain users that use older software such as the TOM, but there is a way to circumvent this limitation.

Due to some security concerns related to now-very-outdated WinHelp files that usually come with .HLP file extension, Microsoft decided to pull the plug and stopped supporting these files in Windows Vista, 7, 8.x and now in Windows 10. Before Windows 10, users had option to download WinHlp32 Viewer (KB917607) from Microsoft’s website and install it on their PC if they needed to view the HLP files. But Windows 10 users have no such luck since Microsoft has decided not to offer any such option for them. And if you try to install the KB917607 hotfix released for Windows 7 or 8.x on your Windows 10 system, then it displays a update incompatibility message.

The following solution is provided (Author Trisha75 Comments), which if followed, can solve the problem. It is somewhat complicated, but with patience, it will work.

There is a zip file, which is provided and which contains all of the software necessary for the user to effect the solution. This zip file is Open Hlp Files in Windows 10.zip, which can be downloaded from the Rail Systems Center website.

Extracting the files from the zip file, with the Use Folder Name option selected produces the folder: c:\TOMHelpFixer. A screenshot of the files and folders contained in this folder is shown next.
The following steps are now executed.

**Step 1 ProcessHacker Setup & Execution**

Click on the **ProcessHacker** setup in the file to install the **Process Hacker 2** program on your computer. There will be an icon for this program installed on your desktop.

The **ProcessHacker** setup and the **Process Hacker 2** program are safe, but some protection programs (i.e. Norton, McAfee) may not like some of the files. Bypass removal of those files by allowing them.

The **Process Hacker 2** program allows the user to hack some of the processes running on the computer.

Execute the **Process Hacker 2** program.

**Step 2 Install the winhlp32.exe programs**

For 32-bit computers, install by clicking on the file **Windows8-RT-KB917607-86.msu**

For 64-bit computers, install by clicking on the file **Windows8-RT-KB917607-64.msu**
You will get the error message:

```
Windows Update Standalone Installer

The update is not applicable to your computer.
```

Do not click OK. Leave open.

The next step must be completed quickly, before the process server removes the `TrustedInstaller.exe` Process

**Step 3 Configure the TrustedInstaller.exe Process in the Process Hacker Window**

Right click on `TrustedInstaller.exe` and select the Miscellaneous item followed by the Run as this user sub item as shown next.
This action will produce the next screen after typing in `cmd.exe` in the **Program:** area.

Then click **OK**. This will produce the next screen.

**Step 4 Complete the installation of the winhlp.exe file.**

Change the directory to `c:\TOMHelpFixer` by typing `CD c:\TOMHelpfixer` in the screen.
Type **Replace** followed by the carriage return.

This will complete the process and the `?/Help` for the TOM will now work.

If desired, the directory `c:TOMHelpFixer` may now be deleted and the program Process Hacker 2 may be removed from the computer. It would be desirable to keep the zip file Open Hlp Files in Windows 10.zip, although it is available on the Rail Systems Center website.