Support Note:
TSC3/Ranger 3 Firmware Update
v3.0.3
What is happening?

TSC3 and Ranger 3 SSL security certificates will expire on July 7th 2016

In November 2013, Microsoft announced that it is deprecating the use of the Secure Hash Algorithm-1 (SHA-1) in SSL and code signing certificates.

Your Trimble TSC3 currently has operating system version 2.0.1.0 installed.

We recommend that you upgrade your Trimble TSC3 operating system to version 3.0.3.0 or later. Version 3.0.3.0 adds support for SSL certificates signed using the SHA-2/SHA-256 algorithm. The industry older version (SHA-1) is known to be insecure and support for connectivity with Geospatial devices expires on July 7th 2016. Applications such as AccessSync and Equipment Manager, and access to secure websites via Internet Explorer, will stop working if the operating system is not updated.

To avoid connectivity issues with your device it is recommended that this update be applied as soon as practical.

Click 'More information' for instructions on how to install a newer version of the operating system.
Does this affect me?

- Applications such as AccessSync, Equipment Manager, and Internet Explorer will stop working if the controller is not updated to firmware 3.0.3 or later.
- To avoid connectivity issues with your device it is recommended that this update be applied.
How to check your firmware version?

1. Tap the Windows Button
2. Tap Settings
3. Tap System
4. Tap System Information
System Information

Firmware: 3.0.1 (Build 114)
Loader: 0x13111910
MCU: 0x28
Warning!

Updating the Firmware will perform a factory reset and erase all data and programs. Backup valuable data on your PC! Be prepared to reinstall all 3rd party programs.
Back up your data!
Check your Trimble Access Version

By performing the Firmware update, Trimble Access will be removed from the device. You will want to check the version you are currently running so you can reinstall that same version after the firmware update. Open Trimble Access and note the version on the splash screen. Or, find your version in the About page.
Download the Firmware Updater

You can download the updater at:
Install the FW Updater
Open the Firmware Updater Utility

The updater utility will be found in this location on your PC:
Start > All Programs > Trimble > TSC3_RANGER3_FWUpdateV3.0.3.0_LP

*You must have your device disconnected before running the updater
Enter USB mode on your TSC3/Ranger 3

Place your data collector in USB mode by:

1. Hard reset the data collector by pressing and holding the Power button for 8 to 10 seconds. When the data collector resets, you will see the boot loader version. Release the power button. Wait for the boot up screen to appear.
2. Quickly press and hold the green power and then the Ok key to enter USB mode.
3. Connect the AC adapter to your data collector.
4. Use the USB cable that came with your data collector to establish a connection to your PC.

When you have successfully placed your data collector in USB mode and connected it to your PC, the Next button will be enabled. Click the Next button to proceed with the firmware update.
Continue through Firmware Update Wizard
Click Finish once update is complete
Follow the on-screen setup wizard

The newly updated controller will reboot and will require the user to complete the Windows Mobile setup. This will include selecting a language, screen alignment, and password (not recommended).
Reinstall 3\textsuperscript{rd} Party programs

If you had Trimble Access or other 3\textsuperscript{rd} party programs loaded prior to the firmware update, you will need to reinstall them.

Trimble Access users will need to download Trimble Installation Manager on their PC in order to reinstall.

View our Tech Talk video on how to Install/Update Trimble Access: https://www.youtube.com/watch?v=ysJOOtaugtY

*Install the same version that was previously installed. If you install a newer version your job files will not open properly.
Copy your data back to the controller

Complete your Trimble Access installation by copying your data back to the controller. This is the data that should have been backed up to the PC prior to the firmware update.

Replace and overwrite the new, blank Trimble Data folder with your backed up Trimble Data folder.
Copy your data back to the controller
Update Trimble Access (optional)

If you noticed you had the ability to update to a newer version of Trimble Access you may do it at this time. Make sure you copied your Trimble Data, especially the job files, back onto the TSC3. The job files will be updated during the Trimble Access update.

*Job files from previous versions will not work in a newer version of Trimble Access. That is why the job files must be on the data collector in the Trimble Data folder during the Trimble Access update.*