# SKF Analysis and Reporting Manager

Documents features applicable to SKF Microlog MX Series,
GX Series and
AX Series

## Installation and Set Up Guide

**SKF**

# SKF USA Inc.

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CM-F0176 (Revision F, January 2011)

# Table of Contents

# SKF Analysis and Reporting Manager Installation and Set Up Guide

## 1. Introduction

SKF Analysis and Reporting Manager is an application dedicated to transfer, display and store data from the Analyser, Recorder, FRF, Run up/Coast down and Check-to-conformance modules in your analyser. Data may be browsed using an Explorer-style tree structure, with powerful graphical display of the highlighted record shown in the contents panel. Data from the analyser is automatically stored in Analysis and Reporting Manager data stream files, allowing annotation and notes added by the user, providing a seamless interface between the PC and the analyser. Various post-processing options are available, including FFT analysis of time signal data.

This document provides a step-by-step guide to installing and configuring the software both for new systems and for additional installations on existing systems.

Please note that comprehensive set up, installation, and operational support can be found in the program help documentation accessible from the application itself.

## 2. Before Installation

Before Analysis and Reporting Manager installation begins, please ensure that you are logged in to the PC as Local Administrator for installation via a CD, or as Network Administrator \ Power User for installation via an MSI Script. This will allow all other login users access to the main program icon via both on the desktop and the **Start** button.

### Windows Compatibility and Additional Notes

Analysis and Reporting Manager v2.2 is compatible with Windows 7, Windows 8.1 and Windows 10. Windows Vista is no longer supported by any SKF software.

The following notes apply to the installation:

- The only installation prerequisites are Windows Installer and .Net Framework (required by the License Key Manager).

- User Account Control (UAC) does not have to be set to "low".

- In order to communicate with the Microlog Analyser, you may need to download the 64-bit driver from the SKF Microlog Analyzer series download page. The driver installation package is also available on the Analysis and Reporting Manager CD, in the root of the CD, and is called "CMC USB Driver Installer_v1.00.9335.exe"

## 3. Install Procedure

Assuming that the machine is logged in as Administrator \ Power User, to install the software just place the CD in the carrier. If your drive is set up to autorun, installation should start once the disk has loaded. If you do not have autorun set up, open Windows Explorer, navigate to the drive and run the **setup.exe** in the root directory CD. If you are installing from an Internet download or other media, simply double-click on or run the **setup.exe** application to begin installation.

The first thing that happens is that the **InstallShield Wizard** begins preparing the installation, as shown below.
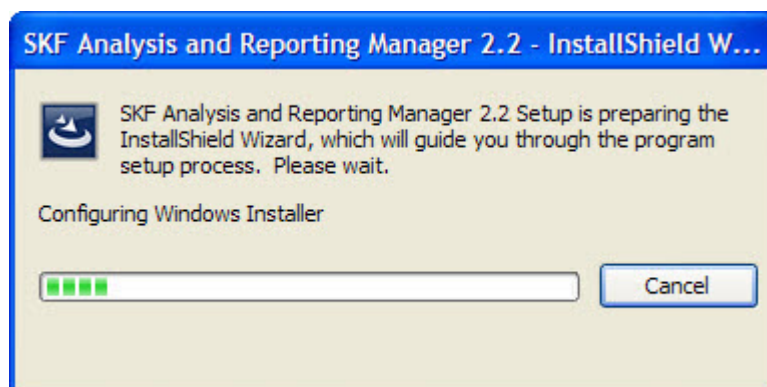


Figure 3-1.

Once this is complete, the **Splash screen** dialog displays, as shown below in Figure 3-2. Press **Next** to continue.



Figure 3-2.

After this, the **Welcome** dialog appears, as shown below in Figure 3-3.  Press **Next** to continue.



Figure 3-3.

The next displayed dialog asks for confirmation of the End User License Agreement (EULA).  Read this license carefully before accepting it and continuing with **Next**.
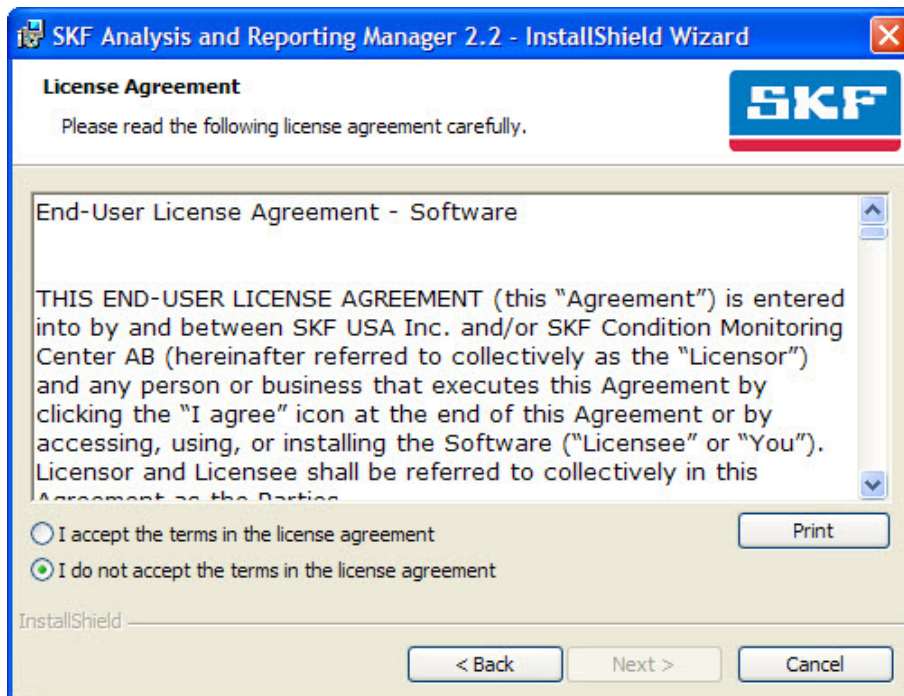


Figure 3-4.

The next options dialog to display (see Figure 3-5 below) determines the installation location of the software.
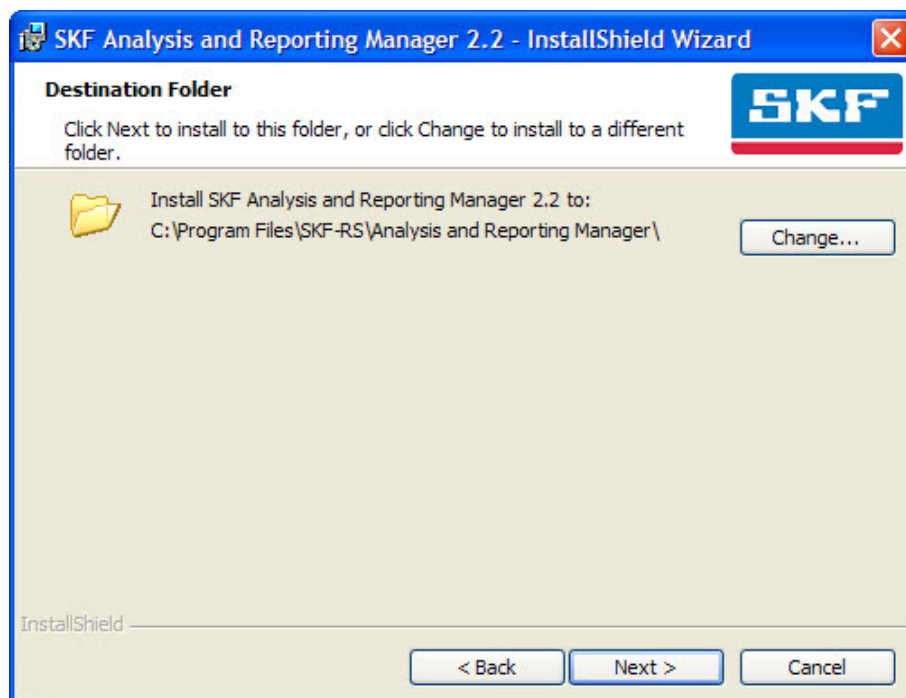


Figure 3-5.

The default installation location will be shown on the screen. If you want to install this version alongside other SKF Analysis and Reporting Manager installations, you can change the path name to something else. Please note that if you have other SKF software products installed on your computer, then for correct operation of the License Key you must always install Analysis and Reporting Manager to a folder immediately within the same parent folder (for example, C:\Program files\SKF-RS ).

Once the correct set up type has been selected, the dialog as shown below in Figure 3-6 will display a summary of the selected options and request a final install confirmation from the user. Simply press **Install** to continue.
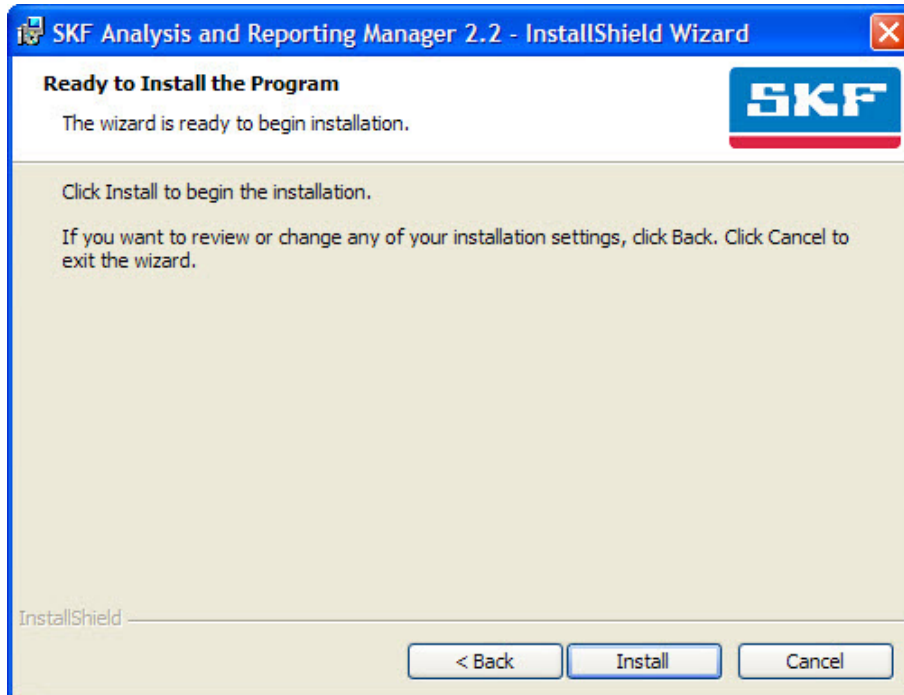
Figure 3-6.

Once the **Install** button has been pressed, **InstallShield** will begin the process of actually installing Analysis and Reporting Manager on to the target system. Please note that during this process there may be periods when the **InstallShield** dialog progress bar appears to freeze. This is normal and no user intervention is required. Please also note that the amount of time required to complete the process will depend on a variety of factors, and so even between similar machines, the total installation time may vary considerably. The following will be shown during installation.
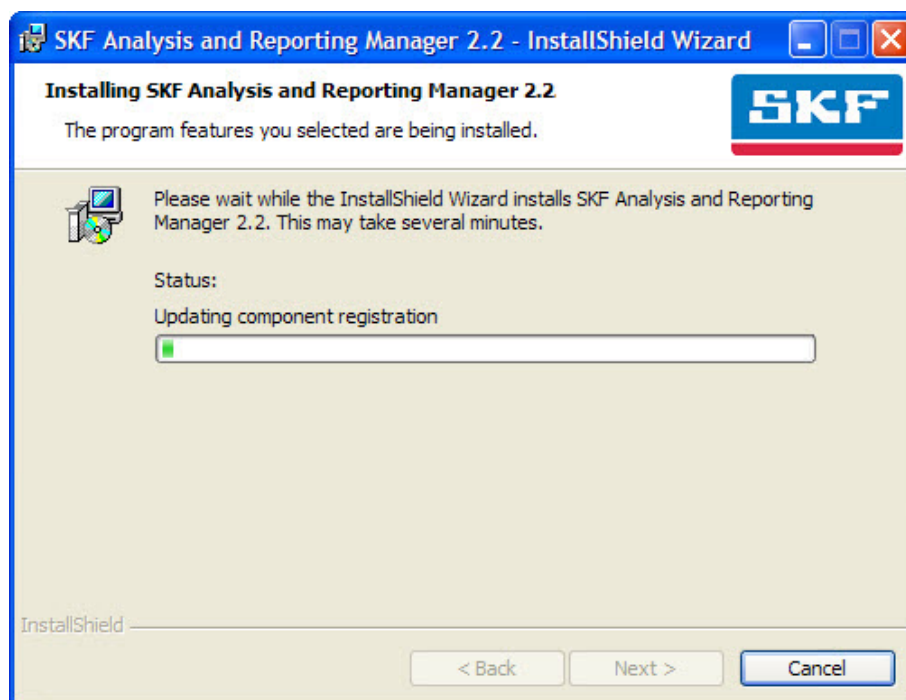
Figure 3-7.

Once **InstallShield** has completed the installation of the Analysis and Reporting Manager software, it will display the dialog as shown below in Figure 3-8.



Figure 3-8.

Click the **Finish** button to exit this installation.  If the **Launch the program** option is checked, you will be able to start the software.

## 4. Remote Script Install Procedure

If the software is being installed via remote MSI scripts, then the above steps will be carried out as background tasks, and as such will require minimal user intervention. However, once installation is complete, it may still be necessary to restart the local PC.

## 5. Using Analysis and Reporting Manager

When you run SKF Analysis and Reporting Manager, a splash screen is displayed during application initialization, showing the current version number.
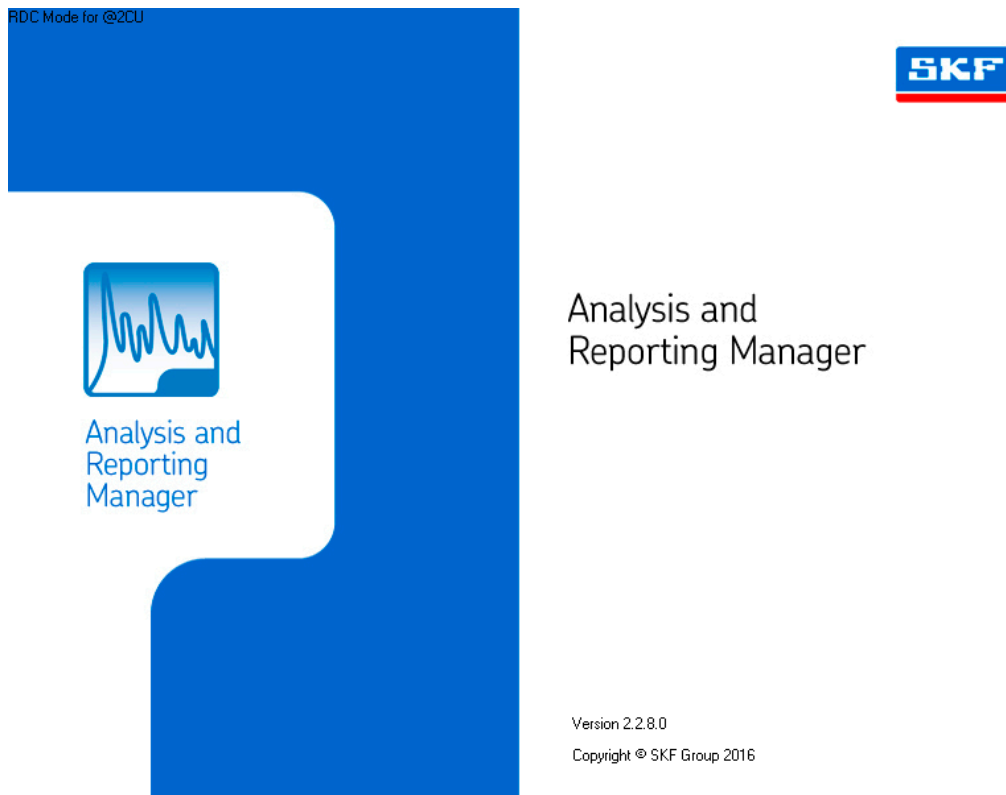


Figure 5-1.

Once SKF Analysis and Reporting Manager has started, the **Welcome** screen will display.



Figure 5-2.

From here you can transfer data, open files, set up file associations, or view program help.

> ➤ If you do not want to use the **Welcome** window every time SKF Analysis and Reporting Manager starts, clear the **Show this window...** checkbox that is at the bottom of the window.

When you are finished using the **Welcome** window, you can close it to go to the main Analysis and Reporting Manager window.
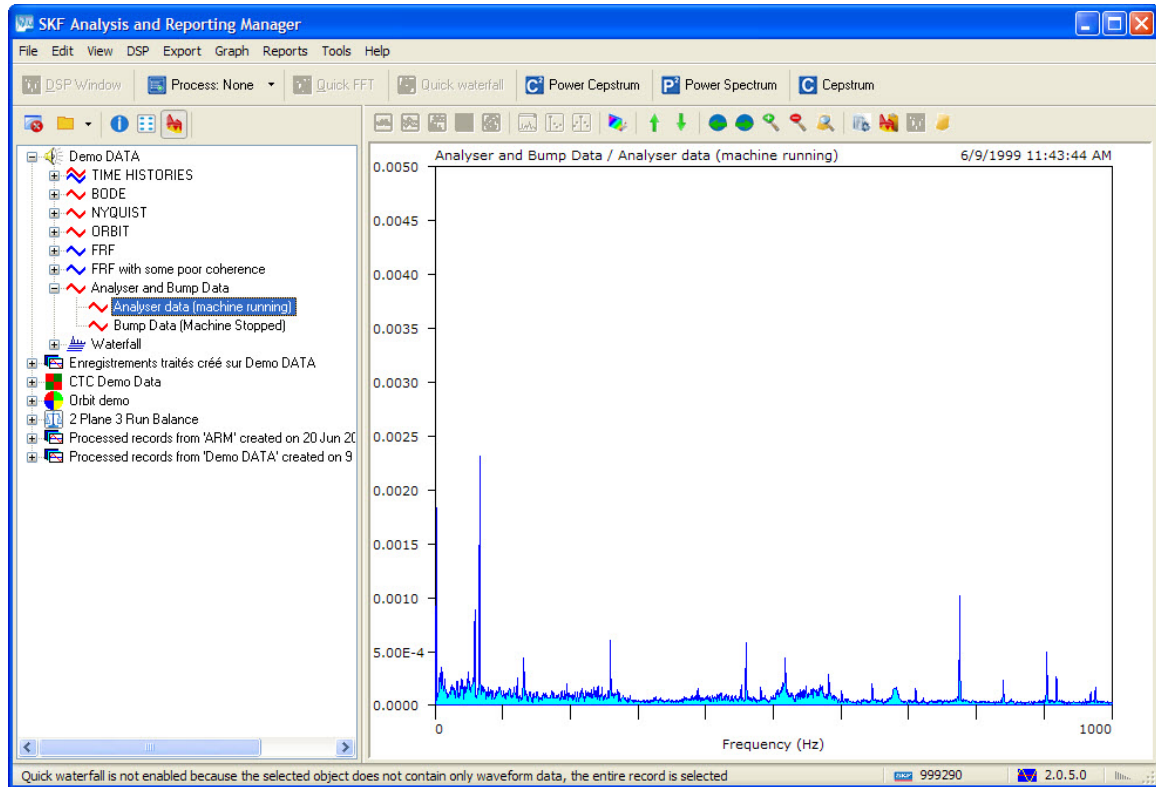


Figure 5-3.

The main SKF Analysis and Reporting Manager window presents two views of your data:

- The Explorer-style view on the left shows downloaded analyser data in a hierarchical structure.

- The panel on the right shows a graph plot of whichever record is selected in the tree. There is also an optional information panel displayed below the graph.

To unload data from your analyser or data collector, choose the **File** menu; there is a panel midway down with one to three options.
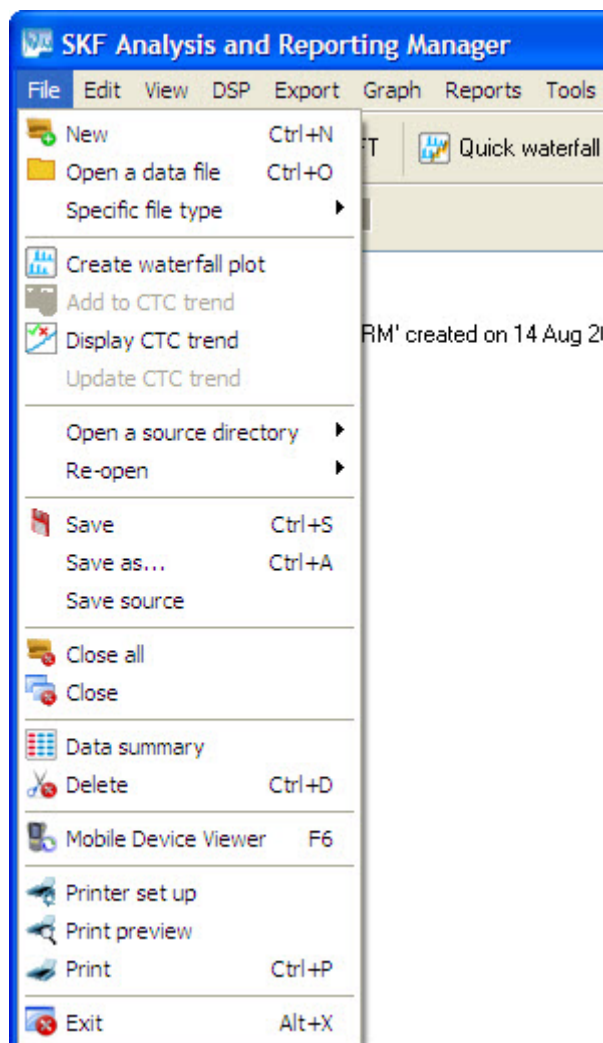


Figure 5-4.

There are two options depending on what type of device you are connecting to:

- **Mobile Device Viewer**

  Use this option to unload module data from your analyser (including Analyser, Recorder, FRF, Run up/Coast down or Check-to-conformance), connecting to the PC using Microsoft® Windows Mobile Device Center® (if running Windows 7, Windows 8.1 or Windows 10) or ActiveSync®.

- **Data Collector Interface**

  Choose this option if you are using a data collector and wish to unload data via RS-232 or Windows Mobile Device Center or Active Sync.

  ➢ Note that the Data Collector Interface option is not displayed by default – to enable it, you need to go to **Tools / Program options** and select it from the Communications area on the **General** tab.

The following sections describe carrying out various common tasks in SKF Analysis and Reporting Manager; for further information, please see either the program help or the *User's Guide*.

## Unloading Module Data

You can unload module data from your analyser using Microsoft Windows Mobile Device Center if your system runs on Windows 7, Windows 8.1 or Windows 10. This application offers device management and data synchronization between a Windows Mobile-based device and a computer software for synchronizing devices. You can download Windows Mobile Device Center from the Microsoft website. Go to https://support.microsoft.com/en-us/kb/931937 for detailed information about using Windows Mobile Device Center and which version you should download.

  ➢ You may find that this program has already been installed on your system as part of the Windows 7 or Windows 8 installation.

  ➢ If you run Windows XP or an earlier version of Windows, you must download Microsoft ActiveSync instead.

The use of Windows Mobile Device Center means that any communication hardware available to it can be used to transfer the data, whether that be through USB, IRDA, or RS-232.

Following successful data transfer, SKF Analysis and Reporting Manager will analyse the data transferred and present it as a new "data structure" on the main window. This allows you to view all of the records transferred and view the data graphically. You can also have SKF Analysis and Reporting Manager automatically export the data to other formats at the same time.

In order to load data from an analyser using Windows Mobile Device Center, choose **File / Mobile Device Viewer** from the main menu.

This will open the **Mobile Device Viewer** window.

Figure 5-5.

Click the **Next** button to go to the **Connection** view, which allows you to see the records available for transfer from your analyser. When this view first appears, SKF Analysis and Reporting Manager attempts to establish a connection with your analyser using Windows Mobile Device Center as a conduit. If you have already connected the device, Windows Mobile Device Center should have already established this connection. The Windows Mobile Device Center window will open and show a "Connected" message.



Figure 5-6.

The connection process involves initialising a special COM server object that SKF Analysis and Reporting Manager uses to access your analyser using the RAPI toolkit. If this fails, please refer to the *General Troubleshooting* section in the program help or in SKF Analysis and Reporting Manager user manual (Document Part No. 32296900).

Once a connection has been established, SKF Analysis and Reporting Manager will display a list of the available files in the list box; to simply unload all available files, click the **Next** button.  This will take you to the **Transfer** view, which shows you the files unloading.

Once all files have been unloaded, you can close the **Mobile Device Viewer** window and return to the main SKF Analysis and Reporting Manager window, where all of your transferred data will be displayed.

You can also use this viewer to create data files in ASCII, Excel or UFF file formats for analysis using other applications.  To do this before transferring data, click the **Options** button when the **Mobile Device Viewer** window first appears.