Gain insight into your field activities

Tracking Data Extractor Tool

User Guide

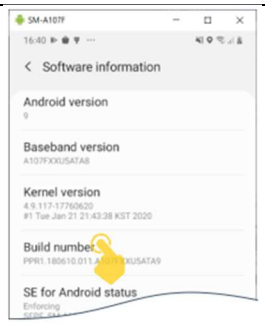
(*Instructions and screen shots based on Samsung Galaxy A10s with Android 9, method may vary slightly for other devices and Android versions*).

On the Target Android Smartphone

1. Connect target Android smartphone to your computer/laptop using USB connection (*many devices may be processed simultaneously by using a USB hub or a PC with several USB ports*).

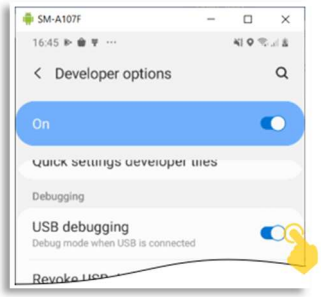
2. Activate the **Developer Options** menu in settings

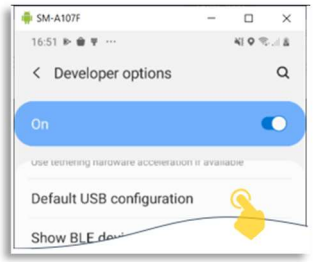
- In ***Settings / About Phone / Software information***, tap the build number 7 times to enable Developer Options.

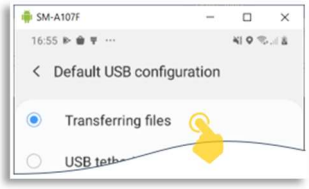


3. Allow USB debugging from your computer

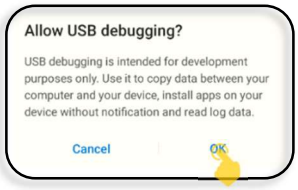
- From within the ***Settings / Developer Options*** menu enable **USB Debugging** and configure for **Transferring files** (MTP in some Android versions).

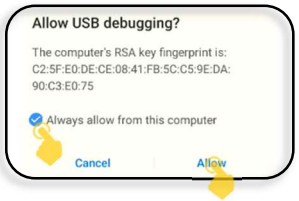






- Click OK when asked whether to Allow USB debugging, checking the "Always from this computer" will register the workstation on the Android device and avoid repeated requests to allow debugging in the future.

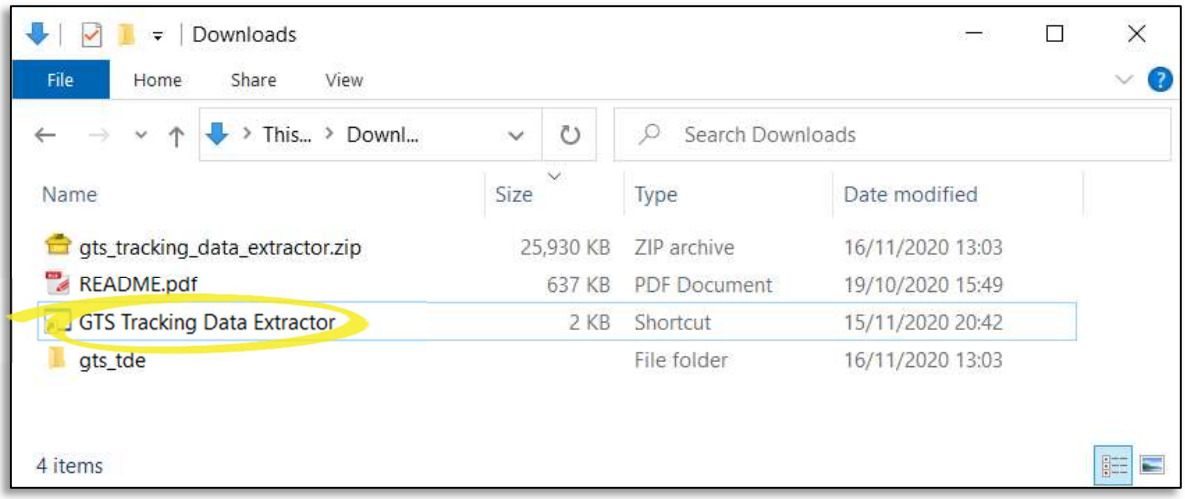




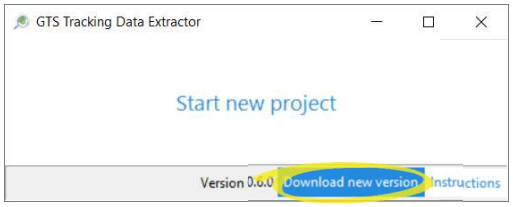
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On the computer/laptop *(Currently only MS Windows is supported)*

1. Extract the content of the .zip file containing this readme to a known location. Double-click the ***GTS Tracking Data Extractor*** shortcut to run the Tracking Data Extractor tool (accept any security warning messages that may appear).



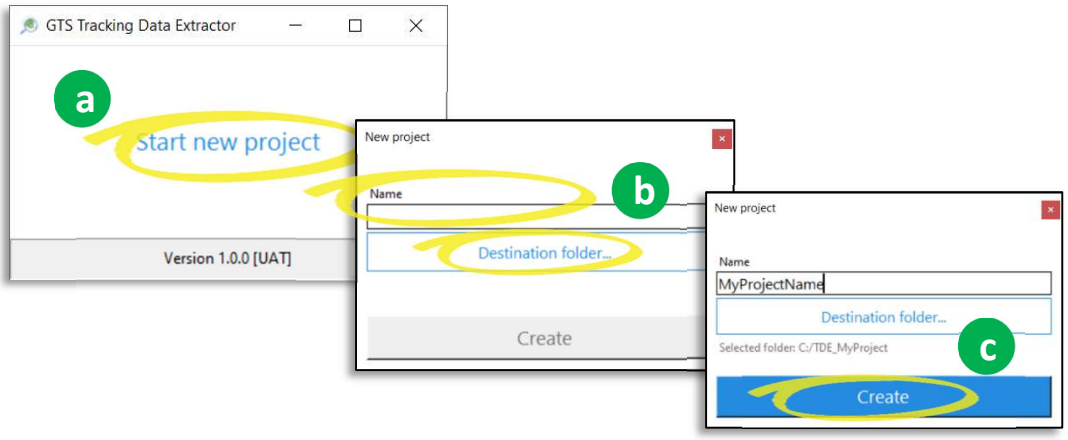
2. Upon launching the GTS Tracking Data Extractor tool will check for updates and provides the option to download a newer version if one is available as depicted at the bottom of the form.

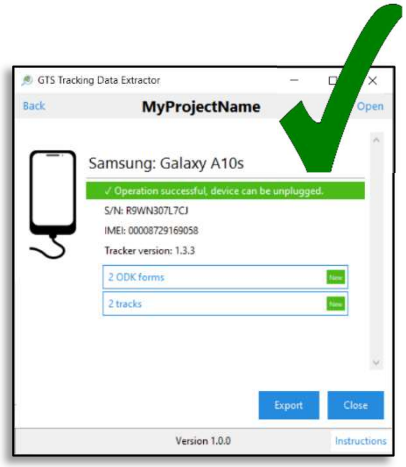


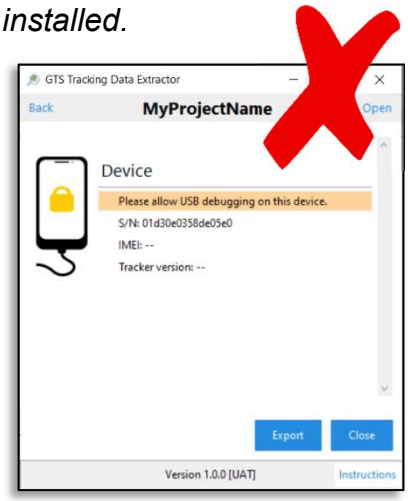
3. a) Click on **Start new project**

b) Provide a name for your TDE project and click on **Destination folder** to select a folder to store tracks. Several projects may be created in parallel.

c) Click on the Create button to create the TDE project

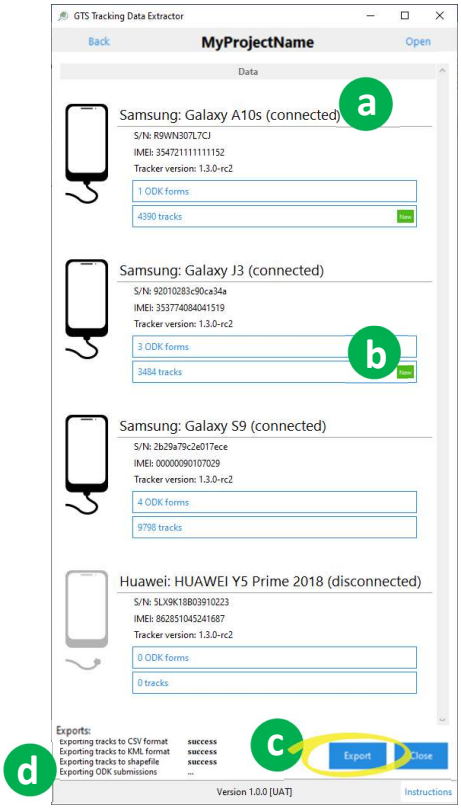


<table>
<tr>
<td>4.</td>
<td>The GTS Tracking Data Extractor will automatically detect and display connected devices

</td>
<td>* If the below screen is displayed, ensure that an Android device is connected to the computer.

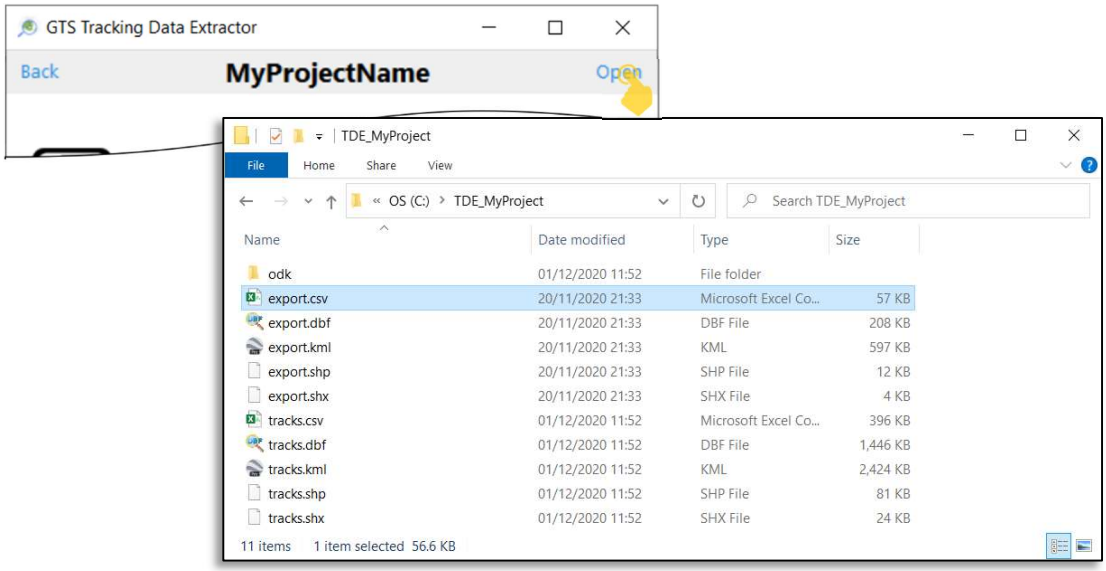
</td>
<td>* If the below screen is displayed, ensure that the connected Android device has USB debugging enabled and configured for file transfer and that the GTS tracker is installed.

</td>
</tr>
<tr>
<td>5.</td>
<td colspan="2">Using a USB hub, or a PC with several USB ports, enables connecting many Android devices assocoaited with the same project for simulatneous data exporting. Android devices will be associated with a project if they are connected to the PC while the project is opened.

a) The GTS Tracking Data Extractor tool will remember all devices that have been connected within your project and will indicate which are currently connected or not.
b) The tool will inidcate whether data has been exported, copied to the workstation, with the “new” badge (New).

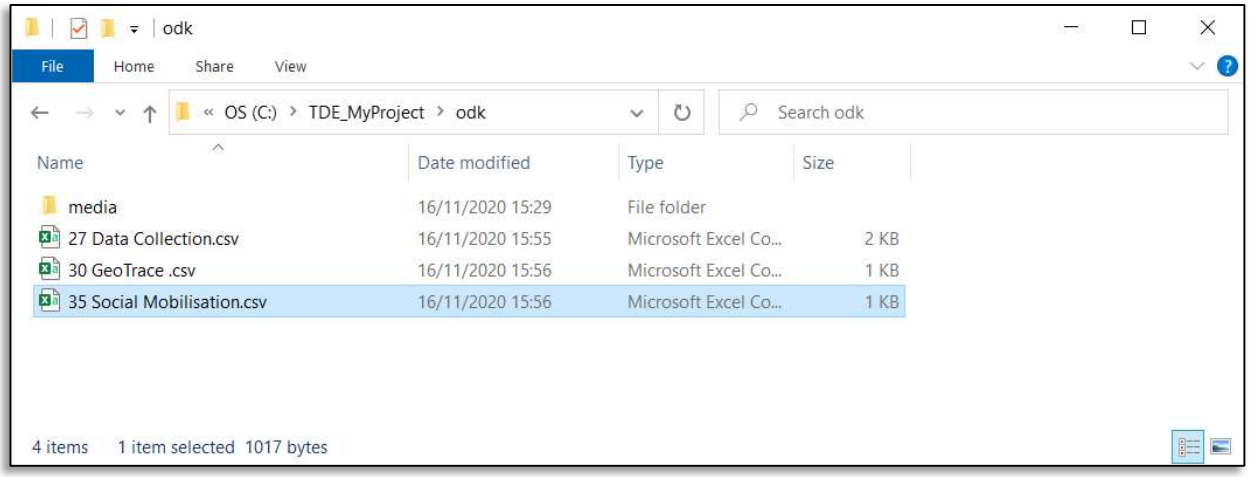
c) Click on the Export button to copy tracking and ODK form data from the Android devise to your PC. The data will remain on the Android device for later upload to the GTS dashboard.

d) Export progess will be indicated at the bottom of the tool’s display</td>
<td>
</td>
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6. The data exported will be appended within the the projects destination folder in shapefile, .kml (keyhole markup language used in Google Earth) and .csv (comma-separated values) formats. Press on open to open the destination folder.



Data from the GTS Collect forms will be copied to the ″odk″ folder within the project's destination folder in .csv fromat, each form will have its own file and media (images, sound recordings, etc) collected by the forms will be stored in the ″media″ folder within the ″odk″ folder



7. Click on the Close button to close the GTS Tracking Data Extractor tool when finished.

