



## CNT5106 Fall 2008

### Prelude to Experiment – Nokia Devices (including models N800, N810)

Before starting experiment 2, you are given the opportunity to collect some Bluetooth traces for your experiment. You are collecting data to prepare yourselves and also to have a richer set of data for the upcoming experiment. Following is the step-by-step instructions on how to collect data using the program on the handheld devices you will be given.

This is not a difficult task – but you do have to remember to charge your device when the battery is running low and also keep an eye on whether your Bluetooth is up and running or whether your Bluetooth scanning program is working, etc. periodically since any time your trace collection is not working, you are losing important trace data.

1. These devices have different scanning program than IPAQ and the output of the scanner is also different. (You will need different parsers).
2. Before starting the scanning program, always check that bluetooth is on (upper right corner of the screen should show the bluetooth symbol  )
3. scanning program is started from the command line. Open the X-terminal application from the Utilities menu (after clicking on Task Navigator  )
4. In the current directory (/home/user), you will find a file “scanner.sh”. This is the scanning program. This can be started by “sh scanner.sh” command.
5. Run the scanner.sh continuously for bluetooth scanning.
6. This program dumps the bluetooth scanning data in a file “EncounterTraces.txt” (in the same directory).
7. You can check if the scanning is done properly by open the file from another terminal window.(click on the top-left corner of the application and choose new from the window menu). You can use cat or tail commands for checking. You can also look at the timestamp of the file to check if data has been written to it recently.

#### TIPS:

1. Never leave Wi-fi on all the time, this reduces the battery life.(icon is on the Top right corner of the screen)
2. Always lock the screen and the keypad, when not using the device (scanning is still going on) by using a switch on the device.
3. DO NOT Install applications on the device (keep the memory free for the encounter file)
4. If you want to transfer the encounter file, copy it to directory /home/user/MyDocs/.documents/. Now you will see this file in Document folder (from File-Manager). You can send this file as a e-mail attachment.
5. Charge the device everyday. :)