**Procedure manual for How to run NILServer**

NILServer is a server application for decoding GSM/WCDMA/LTE RRC messages captured by UE. For running this server app we have to follow following procedure.

1. Checkout NILServerCode on your Linux machine from svn repository [https://ucommtel.jira.com/svn/NLINFO/tags/](https://ucommtel.jira.com/svn/NLINFO/tags/.......)25-02-2013-NILServer-Rel
2. After checkout just go into “/**NILServerCode/Source**” directory, here you will find “config.txt” file just open it with any text editor. As per **config.txt** file create one directory on your Desktop with the name as “MobileCIMS”, inside ‘MobileCIMS’ create five more directories as given in config.txt.

Or you can change “config.txt” as per your need.

1. Now at ‘/NILServerCode/source ’ location you will find “**make-opt**” file. Open it with suitable text editor and edit “export REL\_PATH” which is the path where you have checkout NILSeverCode.
2. In next step open the terminal with root permission and go to the “/NILserver/source” folder and execute “**make all**” command for compiling the code.[Note: If error will occur then please check the path you have added in “**config.txt**” and in “**make-opt**” file.]
3. After successfully compilation the executable with name “NilServer” will be created in “/NILServer/bin/” directory.
4. Now just add the WCDMA test files created by UE into the “/MobileCIMS/IncomingDir” that you have created on your desktop in step 2.
5. Edit the run time library path to the path of objective system library
   1. Edit run.sh and change the LD\_LIBARRY\_PATH=$(checkoutpath) /NILServerCode/thirdparty/objsys/linux/lib/
6. Now run NilServer from terminal by using “.**/run.sh**” command from “/NILServerCode/bin/” location.
7. Check the “**IncomingDir**” directory where you have added the test files, after running NilServer app, files will moved for further processing from IncomingDir->ProcessingDir->ProcessedDir and decoded files will be available in “**OutputDir**” . In OutputDir you will find auto created directory with current date, inside this directory you will find three directory with name as “**gsmRR**”, “**kpicounters**” and “**wcdmaRRC**” . Just dive into this folder there you will find decoded files with .csv extension . open this files with Microsoft Excel or Libre Office

Significance of file or Directory name:

**gsmRR** – This directory contains the all decoded files having gsmrrc data.

**Kpicounters** – This directory contains all decoded files having KPIS and their values.

**wcdmaRRC** – This directory contains all decoded files having WCDMARRC data.

**.csv files** - These are comma separated files which we can easily see in excel sheet in Row and Column structure.