

Dear students,

You will find below the description of the 4th (RE56/Radio Networks) project. This work consists in developing an extension of a network optimization tool.

Context: The application « Radio Mobile Network Tool » is a Javascript application used for testing and educational purpose. The application uses the Leaflet API that provides some tools to manage geographical data.

The objective is then to develop some extensions of this application to familiarize themselves with radio engineering notions.

Project-7-CS: Cell selection

In this project, students should implement the tools that allow to define a path followed by a given user equipment then simulate in the selection of the different antenna in UMTS (selection, reselection, soft and hard handover).

Methodology, quality process:

- Every week: forum report on the work done (evaluated)
- Program to develop and to run with appropriate GUI (evaluated) → student must join a clear manual of how the simulator is used
- Deliver the program at the latest June 11 (evaluated)
- Presentation of the work via Teams (evaluated) → to be specified later

Best regards,

Your project contacts: Mr Mabed and Mrs Baala