

Assignment 2 – Voice over IP (VoIP) QoS

- Build a VoIP Network with SIP Protocol using OPNET, the QoS tool used is E-Model.

The objective function for all cases is to maximize the number of calls that can be active on a link while maintaining a minimum level of voice quality ($R > 70$).

The cases considered are:

- Find the optimal voice coder given link bandwidth, packet loss level, and background link utilization level.
- Find the optimal voice coder and the optimal packet loss level given link bandwidth and background link utilization.
- Find the optimal voice coder and the optimal background link utilization level given link bandwidth and packet loss level.

- Deadline: Monday 30 March 2015