

ABSTRACT

Nowdays, the world of telecommunication are growing so fast. It is proved by the new technology that appear recently, called NGN (Next Generation Network). This technology try to combine the voice signal, data, multimedia, and internet in one paket of data. If this technology can be implemented, many people hope that this technology will be a great technology in the future.

But, as a new technology many aspect we have to care about. There are some steps that have to be passed before this technology can really be implemented. Besides that, it is need to be ready about the hardware, software, and the specialist people. One of the component that also should be prepared in this implementation is the protocol that is used.

This final project will discuss about the protocol that support NGN technology, Megaco. Megaco is the call control protocol between Media Gateway (MG) and Media Gateway Controller (MGC). This final project is written to help people in understanding this protocol easily. This final project will discuss about the commands that is used in Megaco, the message format in Megaco, and the interoperability between the devices if it is seen from the the call set up proses between MG and MGC and also the QoS parameter that appear.