

ABSTRACT

Softswitch is a switching technology for the next generation network which is expected able to fulfil the need of all information and communication services (infocom) including voice, data and multimedia. Softswitch technology has an important part for migration taking place from circuit switched network to packet network. Softswitch has the same function with the traditional circuit switched, and provides service with better quality by using packet switching technology. Class 5 softswitch is completely able to substitute circuit switch Class 5 (local central) so that it enable the implementation of IP based telecommunication network. Softswitch support the traditional access interface such as V5.2, besides the traditional trunk interface such as SS7. In this final task will be discussed about how the interoperability between V5.2 interface in access network with class 5 softswitch. The solution that is given by providing gateway which can carry V5.2 signaling and transport it over Media Gateway Controller or softswitch by using SIGTRAN (V5UA). Call scenario is made to help the analysis so that the process of establishing connection using and passing messages to aoftswitch can be observed.

Kata Kunci: softswitch, V5.2 interface, circuit switch, packet switching, interoperability