

Abstract

Signalling System No. 7 is a signalling system that can support multimedia telecommunication technology, such as voice, data, or image.

Indonesian cellular operator also use SS7 signalling on their operation, including one of PT. Telkom product that recently launching to the market, Telkom Flexi. Not just like most cellular operation that use GSM technology, Telkom Flexi uses CDMA technology.

One of the favorite service on cellular technology is SMS (Short Message Service). GSM dan CDMA network also has this facility. However, both network is different, so they have different format and different signalling.

In this final project, the writer has discussed about interconnection between both SS7 network (GSM and CDMA) for SMS so the writer can design an SMS gateway for that interconnection.

After analyze the sistem, the SMS gateway can handle SMS optimally 428.8 SMS/s.