
ABSTRACT

Along the increasing of ever greater resident amount and also be supported with mobility level and mount town growth which the excelsior, improving fast growth the cellular traffic, specially request of traffic canal. This fact claim operator to ever ready for developing they network. If a BSC, the capacities have come near maximum limit, of course will impossible can to developing they network by building new site and also by improving traffic in they BTS.

It's Happened at BSC Parakan Saat. The BSC capacities of that BSC is 659 TRx. While BSC Parakan Saat be at loaded inner Kota Bandung with density. For that, one of solution is need to re-homing 12 BTS Telkomsel from That BSC. 12 BTS Telkomsel Re-Homing will be done from BSC Parakan Saat to BSC Cicalengka. This Final Project analyzed how step re-homing, condition of existing and network performance before and after re-homing. Network performance analyzed which is done covers: Traffic, Call Completion Rate, SDCCH Success Rate, Call Success Rate, Drop Call Rate, and Handover Success Rate. The Analyze was done on one week before and after re-homing.

The very clear difference seen at border BSC, TRX capacities of BSC Parakan Saat, and total traffic of BSC Cicalengka. That is BSC Capacities of BSC Parakan Saat become decreasing from 659 to 547, and total traffic of BSC Cicalengka go up from 13000 Erl to 16000 Erl.