

ABSTRACT

Nowadays mobile communication is always used, and has become a primary necessity for most people. Wherever and whenever the communication is always required either for business or just simply dealing with relatives. Differences in the level of signal quality, number of subscribers, and geographical contour shape of an area can affect the performance of a network, therefore, many built new networks, new networks will require optimization in order to conform to the contours of the area. The optimization is called the roll-out.

Optimization is a process that is done to improve the performance of a network. Network newly built, will require a lot Optimization either capacity or coverage to fit the contours of the area, Optimization was called roll out Optimization where Optimization tesebut checking new network, check with the data collection by conducting a drive test, the test drive itself is a field data collection activities using TEMS 8.0.3dengan a cell phone that has been modified, after the obtained data such as log files, and then in the analysis of these data, the cause of the problems in the field, set it was done in the area optimization.

After optimization is obtained for better network quality in terms of capacity and coverage accordance with the reference value of Key Performance Indicator (KPI). The results are in accordance with the standards of operator value is successful call rate above ., 0:41% drop call rate is below 1%, coverage network reaches 3:05% and the quality of the network reaches 1:02%, so that the network becomes better than before so as to produce a corresponding new network the conditions and circumstances surrounding the construction of the network.

Keyword: roll over optimization, optimization, WCDMA, KPI, Drive Test