

ABSTRACT

Field practice work carried out at PT. Central Jakarta Aitikom Synergy on August 1, 2019 to August 31, 2019, which discussed the drive test. There are several methods when conducting a drive test, the SSV (Single Site Verification), SSO (single Site Optimization) and cluster methods. When the fieldwork takes place this practice can be a problem, a call failure which is caused by several factors such as the croos feeder, this can occur because the location of the customer is outside the BTS millionaire and the bias is also because the network at the BTS is very congested. To overcome the above problems, network optimization can be done regularly that can help reduce network quality. The method used to perform network optimization that has a croos feeder is to do a drive test using the SSV (Single Site Verification) method. Method used (SSV) Single site verification method carried out on a new site (on air) with a closer scope for checking such as voice calls, video calls and downloads. Software used when conducting a test drive, GENEX PROBE and GENEX ASSISTANT 3.16. Some of the equipment used when conducting a test drive are laptops, cellphones, data cables, Global Positioning Systems (GPS). Optimizing croos feeders is done in field work practices in the Tangerang area. The parameters that serve as benchmarks for checking voice or data quality on 2G DCS networks by calculating call drop, serving call measuremets, signaling and maps.

Keywords: Network optimization, Croos Feeder, Drive Test, 2G DCS, Genex Probe and Genex Assistant 3.16