

## ABSTRACTION

KPI (Key Performance Indicator) is standart target of network performance which must reached by a telecommunication company. This KPI is include of parameters for example : HOS rate, TCH Blocking, EMD, and SDCCH Success.

Handover Success rate (HOS Rate) is handover process which get reah TCH from neighbour cell whit soft process or hard handoff. Traffic Channel Blocking (TCH Blocking) is total TCH which cannot handle incoming call. Erlang Minute Drop is total erlang which can catch before dropping happen. Standalone Dedicate Control Channel Success (SDCCH Success) is ability of signaling channel to handle incoming call.

That parameters is parameters for decide performance from BSS (Base Station Subsystem) that is from BTS and BSC.

This final project is discussing of analyzing for traffic channel to reach standart target of Key Performance Indicator by take care from BTS Caladi. From analyzing which it done before application of cell improvement to reach the Key Performance Indicator target that is November to three month periode after application of cell improvement to reach Key Performance Indicator target we get better values aspecially for TCH Blocking which can pressured until 0,15% and Handover Success which always above 90 %