

ABSTRACTS

Special Access is one of public service which can be accessed from network, using Special Numbering. According to that conditions, it is a necessity that Special Access should give a proper service. The parameters indicating how Special Access has given a satisfaction service can be seen from the ASR (Answer Seizure Ratio) of Special Access, which show $ASR \geq 80\%$ for Special Service and ISP (Internet Service Provider), $ASR \geq 60\%$ for SLI (Sambungan Langsung International), VOIP (Voice Over Internet Protokol), Cellular operator, and IN (Intelligent Network). But in the reality, Special Access service not always gives proper service meeting the target of ASR. In order to give a better service it is a necessity to analyze and evaluate the service and network especially Special Access service.

The object of analysis are network parameter such as : ASR (Answer Seizure Ratio), SCH (Seizure per Circuit per Hour), OCC (Occupancy Circuit), dan MHTS (Mean Holding Time Seizure). The Analysis were done according to customer traffic data on January, February and March 2003. This Final Task, analysis done with four methode : Analysis of service using ASR Parameters, Network Conditions Analysis using SCH and MHTS Parameters, Network Condition Analysis using OCC, SCH, and MHTS Parameters, and the last Analysis of service using Loss Call Distribution. Result of analysis will be conducted action to network and Special Access Service, so that be excepted to improve performance of network and defend service quality.