ABSTRACT

SAS (Subscriber Administration System) is an application software that used by telecom provider to manage Charging System services. A lot number provisioning of new prepaid subscribers from external node to Intelligent Network especially at IT node force SAS to work overload. SAS will generate the provisioning subscribers number and to delete expiry subscribers number and send the information to GSM Network. This thesis gave solution to handle the limitation of SAS in term of many request for new subscribers provisioning so Charging System able to work properly and to knew the user satisfaction impact from this project implementation. Solution offered by rebalancing of SAS based on measured subscribers installed. So that SAS performance can be optimized and meet customer satisfaction.

Keywords: SAS, Charging System, provisioning, external, Intelligent Network