Abstract

Mobile number portability (MNP) is a telecommunication network property which allows subscribers to retain their mobile phone numbers when changing from one network provider to another. It serves as the yardstick for increasing competition and for improving quality of service among network providers, because subscribers have the freedom to migrate from one network provider to another. In the past, quality of service was poor due to low transparency from the end of the network providers but with the introduction of MNP, there will be check and balances among the network providers as each of them are trying to woo the subscribers to its network. This paper explores the benefits of MNP and some of its applications in the telecommunication industry. In this work, some arising issues concerning MNP were put together in a questionnaire and copies were administered to respondents of different sex, ages, locations and networks across six states in south west Nigeria. Thereafter, some hypotheses relevant to MNP were formulated for test based on some factors influencing the success of MNP. These hypotheses were later analyzed and tested using chi-square. The results of our analysis show that there is no significant impact of social influence on mobile number portability scheme among mobile users. That means there is skepticism of acceptance among the elite
group users but with increase on quality of service and reduction in tariff thus this acceptability will ratio increase.

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Index Terms

Computer Science Distributed Systems

Keywords

MNP Subscribers Chi-square Telecommunication Hypotheses Questionnaire.