

Investigation Of Telephone Access Demands In Saudi Arabia

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Abstract

This paper investigates telephone access demands in Saudi Arabia, and derives a future plan for the provision of satisfactory service for these demands. Different factors have been considered including: population and business factors, access needed versus access given, past and future growth, and various evaluation factors. mathematical and computer tools have been used in the investigation. For the evaluation of the future, two different future development scenarios, and three possible target dates for reaching satisfactory access have been taken into account. The urban, semi-urban, and rural areas of each of the eleven major regions in the country have been investigated individually and collectively. The results obtained include recommended values for the average number of lines that should be installed annually in every area, region, and the whole country.

Keywords: telecommunications, Network Planning, Telephone Demands, Saudi Arabia