

Planning and design requirements for NGN

Abstract

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- Within the current expansion of technologies and Telecom solutions, a variety of requirements are posed to the network planners and designers that increase their traditional needs. Paper analyzes those requirements for the today competitive environments in the decision making process for network solutions and services.
- A review is made of the planning domains needed to respond to previous needs and the methodologies that support the different activities of planners at the different required activities. Specific emphasis is done on the strategic planning activities in competition such as market segment selection, technology alternatives assignment and methodology required for the IP mode traffic characterization, network design and optimization
- An example is provided of the modeling for solution mapping in the access segment were a myriad of alternatives appears today and geo-scenarios are analyzed to decide which one is best from the techno-economical point of view. Some mapping results illustrate the importance of the adequate solution mapping for the economical results and recommendations will be discussed.