

Business cases for NGN and WiMax based on STEM

Abstract

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- The planning activity related to evaluation of business cases acquires special relevance in the phases of network transitions at technology, services and business. The large variety of network scenarios and solution alternatives requires high flexibility to evaluate many what-if analysis and powerful tools for a solid and quick evaluation. Two typical study cases are summarized for business evaluations of migration to NGN and of proper cases of WiMax introduction based on the STEM tool.
- The case of migration to NGN considers a medium size network with separate voice and data implementations that evolves towards an integrated NGN either at low, medium or high pace. Emphasis is made on the impact on economic results like NPV maintaining the same services or introducing new services.
- The case of introduction of WiMax in low density areas analyzes the business evaluation of different scenarios according to the percentage of users on reach of xDSL at initial state and the further extension of xDSL or introduction of WiMax. Business evaluation results are derived according to area characteristics and services to be introduced. This case illustrates the importance of strategic evaluation and decision making before moving to a more detailed technical planning.