

NGN migration in developing countries- Interconnection challenges, role of CBC and IX

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Abstract

This presentation discusses various Interconnection challenges faced during NGN migration by the service providers in the developing nations. It starts with various regulatory issues and highlights the interconnection challenges mainly consisting of technical and costing aspects. As a background the Interconnection charging issues pertaining to legacy PSTN networks and those pertaining to IP based Internet networks are discussed. Various elements of Interconnection relevant to NGN migration like Interconnection parties, Interconnection products, Basis of charging, Costing methodology, Interconnection Exchange (IX) etc. are deliberated upon.

As way forward options of CPNP along with Capacity based charging (CBC) in contrast to usage based charging (UBC) (minutes and miles) as well as Bill and Keep (Sender Keeps All) to enable smooth NGN migration have been compared and Hybrid approach suggested.