

## **Emerging trends in NGA Policy and Innovative Financing Models- case study from Emerging Market**

### **Abstract**

This presentation covers a case study from a developing country highlighting the need for an enabling policy approach and facilitating regulatory regime to fuel the uptake of growth of NGA in the nation. It identifies various bottlenecks which obstruct the growth and spread of broadband services in a vast geographically spread country dominated by rural population and suggests various Governmental initiatives related to the policy framework and regulatory regime.

Unlimited competition, negligible entry barriers, technology- neutrality enabling service providers to use any technology and make use of infrastructure of any network are some of the Hallmark of the liberal policy regime. A light regulation on ISPs in respect of market driven tariff and no liability to contribute towards Universal Service Obligation (USO) and licence fee is another salient feature. In addition Govt. can facilitate the setting up a National Internet Exchange (IXP) and reduce the cost of international Bandwidth through tariff cap regulation.

In addition to Govt. policy initiatives, market driven approach through innovative financing arrangements, Public-Private partnerships, Bundling of CPE with broadband offering, Franchising arrangements, Active infrastructure sharing also add to faster rollouts for NGA

All the above measures can result into an Ecosystem to accelerate the penetration of Broadband throughout the country by making it universally available and affordable to masses.

## **Interconnection during NGN migration- Role of CBC and IX**

### **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.