

Emerging Trends in Broadband Technologies-Next Generation Wireless Access (NGWA)

Satya N. Gupta
Chief Regulatory Advisor, SAARC Region
BT, Global Services

Abstract

This presentation describes emerging trends in Broadband technologies leading to flux in Telecom Ecosystem. It focuses on various access technologies in the NGN domain enabling the growth of broadband in a technology -agnostic manner. Various access technologies like those making use of existing infrastructure ie. XDSL, Cable TV networks, new infrastructures like FTTH and Carrier Ethernet and wireless based access including the DTH and VSAT based access has been discussed and compared. Detailed discussion on emerging broadband wireless technologies especially Wimax and LTE along with its various variants has been included.

Trends in innovative spectrum management for its more effective utilisation for BWA as well as allocation and pricing mechanisms are discussed. In the end the role of BWA to enable FMC (Fixed Mobile Convergence) with a view to reduce demand on the licensed spectrum for voice has also been demonstrated.

In the end, role of BWA in facilitating the enhanced productivity and excellence through work-life balance has been discussed