

# **Next Generation Access (NGA) technologies-Role of BWA**

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## **Abstract**

This presentation describes emerging trends in Next Generation ICT ecosystem leading to flux in telecommunication services. 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 like DSL, Cable TV networks, new infrastructure 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 specially Wimax and its various variants as well Beyond 3G technologies 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.