

Frequency allocation WiMAX case study

SESSION 10: Challenges and opportunities facing Broadband Wireless Objectives

August 2009

Christoph Legutko Wireless Standards and Regulations Manager Intel Global Public Policy























	Nationwide License	Multiple Regional Licenses
Network Cost	Single Core Network	Replicating Core network in every region is very expensive
		 Additional costs to implement roaming infrastructure are required
Service Adoption	Seamless roaming	 Roaming fees and different authentication methods/network profiles can cannibalize service adoption
Interference on Region Boundaries	No dead zone between the regions	 50-100 km separation might be required (dead zone) (if different technologies are used or when operators are not coordinated)
Digital Divide	A nationwide operator can leverage on its existing core network to cover undesired regions	 Some regions might not be desirable (in terms of ROI) because of low population density and weak business case i.e. white spots
		•







