

Abstracts of Intel presentations for ITU-D in Chisinau

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Broadband deployments and products

As more notebooks get connected to the WAN, networks which were originally optimized for voice are having a hard time keeping up. Mobile networks are becoming clogged during peak usage times, especially in Western Europe where mobile competition is intense. Mobile operators have to curtail data-hungry applications and to implement data caps, but network performance is still disappointing many users.

Of the more than 500 fixed & mobile WiMAX deployments, more than 1/3 are based upon IEEE 802.16e (so-called, Mobile WiMAX). In January 2010, there were 178 802.16e deployments in 81 countries. More importantly, the CAGR (cumulative average growth rate) for POPs (population) covered by 802.16e is between 30 and 50% through 2014, compared to almost flat growth for 802.16d, the so-called "fixed" WiMAX standard. 802.16e supports fixed, portable & mobile deployments so all new networks are deploying 802.16e (vs 802.16d).

Infrastructure vendors include: Airspan, Alcatel-Lucent, Alvarion, Aperto Networks, Axxcelera, Azure Communications, Ceragon, Cisco, Fujitsu, Harris Stratex (acquired Telsima), Huawei, Japan Radio Co, Kyocera Wireless, LCC, LG Electronics, Motorola, NEC, POSDATA, Proxim Wireless, Redback Networks, Redline Communications, Samsung, ZTE.

Price / performance debates can go on endlessly, but the proof's in what consumers are actually experiencing when using networks like Yota (Scartel, Russia), UQ WiMAX service in Japan, CLEAR, one network in USA, Pocket One in Malaysia, BSNL in India etc.

Intel delivers multi-communication products to connect anywhere. The Global WiMAX solution extends the performance advantage. Intel delivers silicon, supports ecosystem development and drives interoperability testing to achieve unified architecture across multiple mobile client platforms.