

CHAPTER-11

Conclusion

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The WiMAX technology continues to evolve with the WiMAX Forum's approval of the Release-1 mobile WiMAX system performance profiles based on the 802.16e-2005 amendment. The WiMAX Forum Certified program is the catalyst that the marketplace needs to accelerate the adoption of wireless broadband services worldwide. Since the first WiMAX Forum Certified products were announced in 2006, the WiMAX Forum has steadily expanded the certification program. Mobile WiMAX products in the 2.3GHz band were included in April 2008 and in the 2.5GHz band in June 2008. With OFDMA, mobile WiMAX can meet the stringent requirements necessary for the delivery of broadband services in a challenging mobile environment. These advantages will provide operators with added network capacity for the support of value-added services with fewer base stations. DSL and cable operators can use mobile WiMAX to cost-effectively extend the reach of existing wire line networks to address new customers. Typically, each cell has a whole 100 Mbit/s backhaul so there is no contention here. If the network becomes busy the business model is more like GSM or UMTS than DSL.

BanglaLion Communication LTD, BRAC BD Mail Network Ltd and Augere Wireless Broadband Bangladesh Ltd won the licenses from Bangladesh Telecommunication Regulatory Commission (BTRC) to operate Broadband Wireless Access (BWA) services nationwide using WiMAX technology in 18 November 2008. On the other hand Augere is having frequency issues and then can only start trial after August. BanglaLion Communication, BRAC BD Mail Network Ltd and Augere Wireless Broadband Bangladesh Ltd — won the WiMAX licenses through an auction organized by Bangladesh Telecommunication Regulatory Commission (BTRC) in September last year. BTRC permitted Augere Bangladesh, were also present at the launch at the Westin Dhaka. Future expansion milestones include additional Mobile WiMAX bands (3.5GHz) and the introduction of NCT testing by the end of 2008, and the introduction of RPT by July 2009.