

Face Off: 802.11n vs. WiFi vs. WiMAX

An Evaluation of Synergies and Opportunities



September 2009



Overview

WiFi vs. WiMAX: Which one will win the technology, application, and services model wars? No research to date has evaluated the synergetic frameworks of WiMAX (fixed and mobile), and WiFi (802.11n, 802.11e and 802.11i).

The report presents a number of synergistic scenarios with revenue projections. The projections of the synergetic frameworks in the world's 90 more populated countries have been estimated as \$30 Billion for equipment and \$39 Billion for services. This market is very nascent and is not yet tapped across the world.

The scenarios presented are applicable to metropolitan fixed broadband networks integrating public places, home networks in rural areas with sparse population densities, fixed broadband services for housing clusters in remote countries, campus wireless mobility networks, metropolitan mobile broadband networks, asset management networks (using RFID), campus & metropolitan GIS networks, campus & metropolitan triangulation networks (indoor GPS), and application of the frameworks in oil & gas pipeline management networks.

These scenarios have been vetted by 135 seasoned networking professionals with a minimum of eight years of experience in service providers, systems integration companies and end user industries (SMEs and corporations).

Key Questions Answered in Report:

- What is the best market positioning of WiMAX - 802.16d and 802.16e - when considered as standalone technologies in a solution?
- What should be the appropriate market positioning of 802.11n, WiFi when considered as standalone in a solution?
- What should be the appropriate market positioning of 802.11n, 802.11e and 802.11i when considered together in a solution?
- What should be the appropriate market positioning of 802.11n, 802.11e, 802.11i, 802.16d and 802.16e when combined in synergy with specific goals including risk mitigation, optimizing strengths and minimizing weaknesses?
- How should the industry best leverage each approach for various broadband applications?
- How should services be designed around each approach for various market segments?

Audience:

- Wireless network architects and solution providers
- Wireless network service providers/telecom operators
- Wireless equipment manufacturers
- Wireless solution consultants
- Wireless network managers
- Wireless network business strategists
- Wireless network service designers
- Wireless network systems integrators





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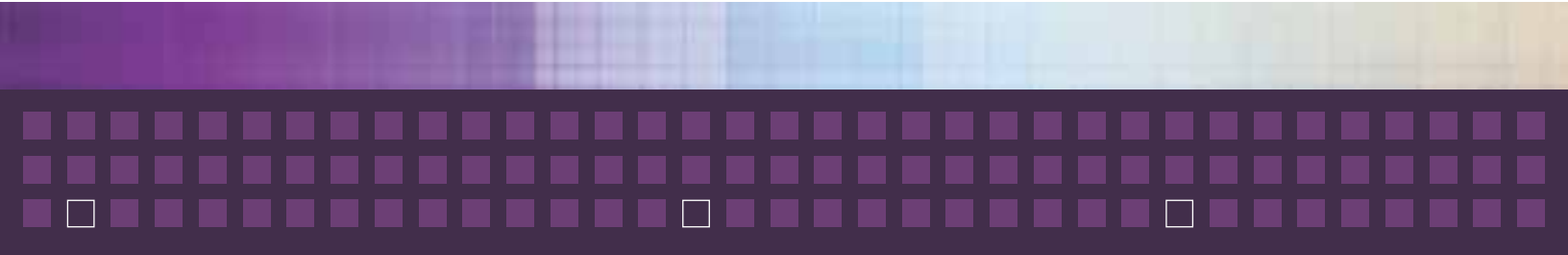
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Report Title

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