

Hard Numbers and Experts' Insights on Migration to Evolved 3G and 4G Wireless Technology

Rysavy Research is the principal author of this report, published by Datacomm Research, October 24, 2005.

3G wireless networks are rolling out. Interest in streaming media and other high-speed wireless data applications is growing. To ensure wireless networks can meet future customer demand and remain competitive for years to come, operators and manufacturers must begin planning now for evolved 3G and 4G wireless. This authoritative report provides a detailed analysis of the relative benefits of different technical approaches and the insights of pioneering experts on the advantages and limitations of both CDMA- and OFDM-based solutions.

This report presents data showing that 3G networks alone will be unable to meet burgeoning demand from enterprises and consumers for wireless information and content. It quantifies the performance of 3G, evolved 3G, and WiMAX networks. The report also shows the expected gains from new techniques such as smart antennas and MIMO. Thoroughly updated in Q4 of 2005, the report explains why a combination of wireless local area and wide area networks is necessary to achieve the next level of market growth.

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Panel of Experts:

- Dr. Greg Raleigh, CEO of Airgo Networks
- Charlie Martin, Director of Advanced Wireless Technologies, Nortel Networks
- Dr. Roberto Padovani, Chief Technology Officer, Qualcomm
- Dr. Paul Mankiewich, Chief Architect and Chief Technology Officer of Lucent
- Dr. Andrew Viterbi, President of Viterbi Group LLC
- Dr. Sayed-Amr (Sisso) El-Hamamsy, CEO of Wi-LAN

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