

# Scenarios for the Evolution of the Wireless Industry

August 5 2004

---

## *Great Uncertainty in the Wireless Industry over the Demand for Future Mobile Services Due to the Slow Take-up of Early 3G Services*

Research and Markets has announced the addition of Scenarios for the Evolution of the Wireless Industry to their offering.

"Great uncertainties over future demand for services and the extent to which alternative technologies will displace existing cellular standards present major challenges to organisations across the wireless industry. Single-line forecasts no longer provide the necessary insight.

Organisations need to understand the implications of a number of feasible scenarios for the evolution of the wireless industry, which bring enormous threats and opportunities."

There is great uncertainty in the wireless industry over the demand for future mobile services (heightened by slow take-up of early 3G services) and the extent to which alternative technologies will supplement or displace existing cellular standards to satisfy that demand.

Cellular (e.g. EDGE, WCDMA, HSDPA, CDMA2000), W-LAN (e.g. 802.11b, a and g), broadband wireless access (e.g. 802.16 WiMAX, 802.20) and proprietary (e.g. Flarion, iBurst, Vivato) systems are all vying for significant roles in the wireless industry.

Given the level of uncertainty, single-line forecasting of the future of the wireless industry runs a risk of seriously underplaying the potential impact of many emerging trends.

Building on our analysis in *The Role and Impact of Emerging Wireless Technologies*, with input from leading industry experts and extensive global case studies, this report presents a number of feasible scenarios for the evolution of the wireless industry, which have profound implications for network operators, equipment and handset vendors and many others.

Each scenario is quantified in terms of service revenues and usage (split by service type), network infrastructure revenues (split by technology type) and handset revenues.

The report identifies the clear winners and losers in each scenario and the strategies that are needed to secure success.

*Scenarios for the Evolution of the Wireless Industry* answers your key questions:

Given the current uncertainties in the wireless industry, what scenarios for the future are plausible?

How will each scenario affect wireless service revenues?

How will each scenario affect wireless infrastructure and terminal equipment sales?

What could be the impact on 3G cellular infrastructure sales of emerging wireless technologies such as 802.16 WiMAX, 802.20, 802.11, Navini, Vivato and others?

Who will be the technology winners and losers?

What major new service opportunities are enabled by the evolution of wireless technologies? What actions must network operators take?

What are the early warning signs of each scenario happening?

How can organisations continue to take technology decisions given the current uncertainty in the industry?

Who should read this report:

**Mobile operators:** to understand the implications for your business from a set of quantified, plausible scenarios. Identify the opportunities and threats ahead and implications for ARPU. Assess the pros and cons of investment in 3G cellular and alternative technologies. Understand how to plan for uncertain service demand and drive the industry to your advantage. Should large and small players take different routes?

**Other operators and service providers (e.g. fixed operators, wireless ISPs):** to quantify the opportunities for your business from emerging wireless technologies, and identify the steps you need to take now.

**Equipment and handset vendors:** to quantify the impact on your business of possible future changes in technology adoption by your customers. What are the opportunities for emerging or 'second tier' players to gain market share? Identify critical actions you need to take to drive adoption of your solutions. Understand how to protect yourself against scenarios which favour alternative technologies.

**Investors and analysts:** to understand the impact on service revenues and infrastructure investment of potential future scenarios. Identify the organisations that are likely to be winners and losers in the future scenarios. See early examples of possible future trends and understand key indicators of the direction in which the industry is moving.

Report Contents:

- 1 Major uncertainties now confront the wireless industry
- 2 Three core areas of uncertainty will dictate wireless industry evolution
- 3 Defining plausible scenarios for wireless industry evolution
- 4 The Premium for Mobility scenario
- 5 The Voice and Broadband Data Go Mobile scenario
- 6 The Alternative Technologies Thrive scenario
- 7 Making decisions and taking action in the midst of uncertainty

For more information visit [www.researchandmarkets.com/reports/c3534](http://www.researchandmarkets.com/reports/c3534)

Citation: Scenarios for the Evolution of the Wireless Industry (2004, August 5) retrieved 2 May 2024 from <https://phys.org/news/2004-08-scenarios-evolution-wireless-industry.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.