

ITU-T Workshop

“Mobile Telecommunications and Fixed/Mobile Convergence – the realities going forward”

Abstract

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Session: 3.1: Market Perspectives

Title of Presentation: Evolution of Existing Mobile Systems to IMT-2000 and Beyond

The presentation will cover the evolution paths from the various first and second-generation mobile technologies to the IMT-2000 standards, IMT-2000 CDMA-MC (also known as CDMA 2000) and IMT-2000 CDMA-DS (also known as WCDMA and HSDPA). The presentation will describe the benefits of migrating existing systems to CDMA2000 and WCDMA/HSDPA within their current spectrum bands and in new spectrum such as the 2.1 GHz and 2.5 GHz bands. Emphasis will be placed on the *evolution* of CDMA2000 and WCDMA networks, their Next Generation Network enhancements, and how this evolution takes into account fixed-mobile convergence. The presentation will also explore case studies of fixed-mobile convergence especially in scenarios where operators are utilizing IMT-2000 and W-LAN together as a BWA solution in environments with various levels of mobility.

Other subjects discussed in the presentation will include the interoperability among first- and/or second-generation mobile systems and IMT-2000 systems, the importance of cost affordability to end users when selecting an evolution path and the experiences of developed countries in terms of their current or future migration paths.