

Submission to the ITU-BDT Regional Seminar on IMT-2000 for the Arab Region

Topic Area: Session 2.3: Evolution to IMT-2000

- 2.3.2 Technology Options for the Evolution of Existing Mobile Systems to IMT-2000

Title: Evolution of Existing Systems to IMT-2000

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Abstract:

The presentation will identify the migration paths from the various first and second-generation technologies to one of the IMT-2000 standards, IMT-2000 CDMA-MC (also known as CDMA 2000). Specifically it will describe the evolution path of analog systems, TDMA systems and GSM/GPRS systems to CDMA 2000.

In addition, the presentation will describe the benefits of migrating existing second generation systems to CDMA2000 within their current spectrum bands. WRC-2000 identified frequency ranges for IMT-2000 in which most commercial first and second generation wireless systems already operate. Given the significant initial capital investment necessary to upgrade new IMT-2000 systems, operators are finding that upgrading networks in existing spectrum is a more economically viable option.

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 a migration path and the experiences of developed countries in terms of their current or future migration paths.