





ITU and IMT-2000 Overview

Session 1.2

- Presentations addressed Core Networks (ITU-T), Radio Technology and Spectrum (ITU-R) and support to developing countries (ITU-D)
- Consistent with mandate per Res. 43 (WTDC-02), ITU-D Q.18/2, Program 2 point 1.4 using projectoriented approach
- Appreciation for the complex and multi-disciplinary studies carried out by ITU
 - outlook for IMT-2000 development and expansion may be optimistic
- Closer and more tailored direct involvement needed to better assist in the decision processes and implementation of 3G systems





Session 1.4 Standardization of IMT-2000 Family Members Outside ITU

- Partnership Projects 3GPP and 3GPP2 developing specifications for IMT-2000 Family Members
 - 3GPP: GSM, GPRS, EDGE, W-CDMA, T-CDMA
 - 3GPP2: CDMA2000 1xEV-DO, 1xEV-DV; ANSI-41
- Specifications transposed by partner SDOs
- Transpositions referenced by ITU-R WP 8F (Rec. M.1457) and ITU-T SSG (Q.1740-series) to create global standards
- Noted convergence on future directions, especially IP Multimedia Subsystem as basis for enhanced end user services





Session 2.1 Evolution and Migration to IMT-2000 and Systems Beyond

- A developing country perspective on leveraging fixed infrastructure for3G: a win-win scenario!
 - use fixed network as a 3G access network through appropriate terminals, PANs, WLANs, etc.
 - an integration of existing infrastructure and technologies to maximize 3G value to end users in a developing country
- A forward looking perspective on the convergence of Internet, broadcasting and telecommunications, leading to network transformation
 - seamless services and simplified service access for the end user a key driver
 - transform networks through eliminating boundaries
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Session 2.2b IMT-2000 Regulatory and Operational Aspects

- BDT presentation provided theory and practice , pros and cons of licensing methods (auction, beauty contest, etc.)
 - provided templates for adaptation to local situation to assist the countries in decision process (scoring matrix)
 - Provided examples on conditions and obligations to be considered during the process to award licenses
- Next presentation focused on a case study (Portugal) demonstrating licensing principles
 - Need to consider the overall set of objectives to be pursued
 - While a national matter, essential to consider the situation in an international context
 - A focus on the long term will help avoid inappropriate short term decisions





Session 2.4 Evolution to IMT-2000

• Noted planning differences for incumbents vs. green field operators

- spectrum needs to address not only more users but increasing data usage
- migration, dual service: 2G/3G
- cell site planning, near-far problem
- Driving factors to 3G; challenges, success factors
 - · evolution and migration paths identified
 - · several points of comparison
 - use of 450 MHz spectrum for coverage in rural areas
- Smart antenna technology
 - · advantages; algorithms to predict coverage
 - a technology to assist in addressing coverage issues
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- Session 3.1 **Mobile Network Experience in** the Arab Region QTel described their plans for migration to 3G • information on Qatar and on QTel's mobile network emphasis on meeting end user expectations · details of trials and deployment planning King Saud University addressed 3G Mobile Services in the Arab Markets • explored issues and challenges faced by everyone, but also regional consumer and cultural issues Etisalat described their UMTS trials · emphasis on quality for positive end user experience information on trials, multi-vendor interoperability testing and testing of multimedia applications ITU-BDT Regional Seminar on IMT-2000 - Arab Region: Doha, Qatar - 11



Session 3.2 Seminar Feedback and Conclusion

A representative of each participating country expressed Opinion on the Seminar in terms of:

- General organization and timing
- Expectations and Objectives met
- Content tailored to the Region
- Utility of the dealt topics
- Topics to be better highlighted and further investigated
- Follow-Up and timing of Direct Assistance may be provided by the BDT
- Further Seminars/Workshops/Exhibitions

The details of the feedback collected from the participating countries is posted on the Web, slot 3.2.1.

