INTERNATIONAL TELECOMMUNICATION UNION Telecommunications Development Bureau (BDT)

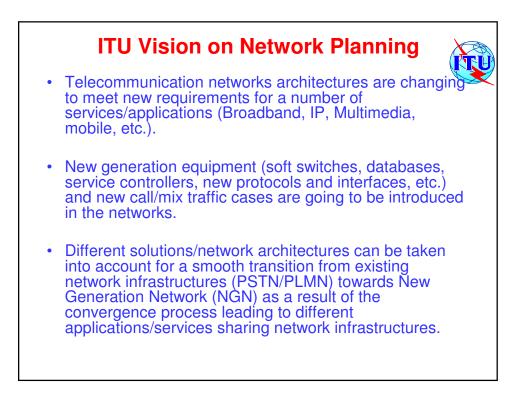


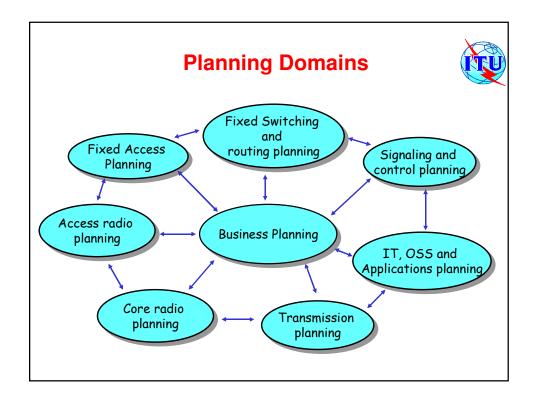
ITU-BDT Regional Network Planning Workshop with tool Case Studies for the ARB Region

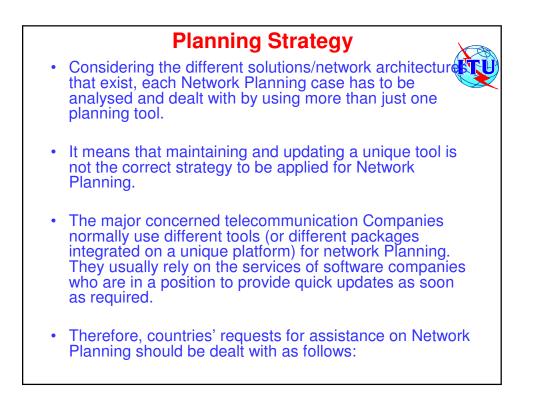
Cairo, 16-27 July 2006

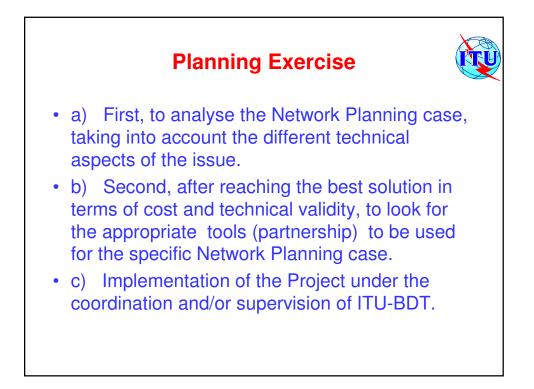
ITU-BDT Approach on Network Planning

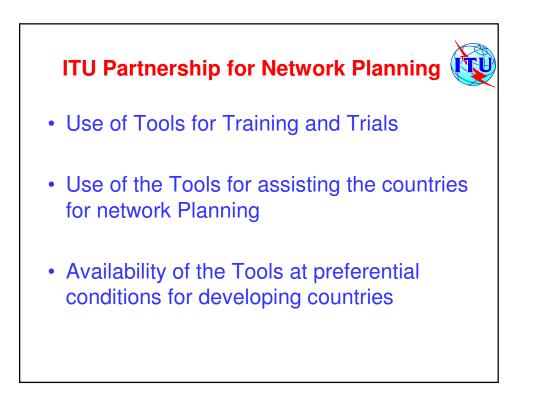
Riccardo Passerini, ITU-BDT

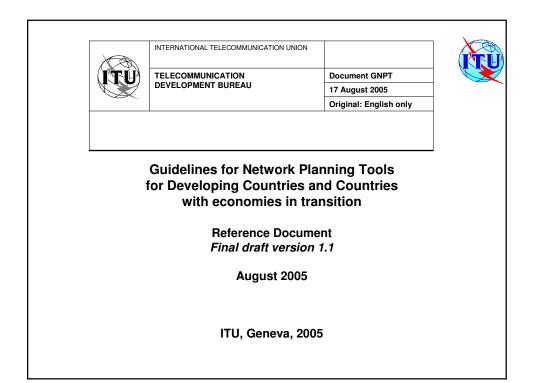




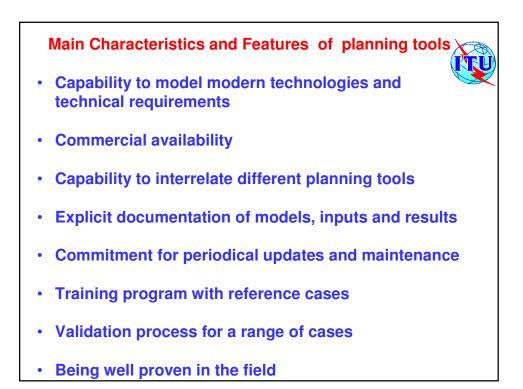












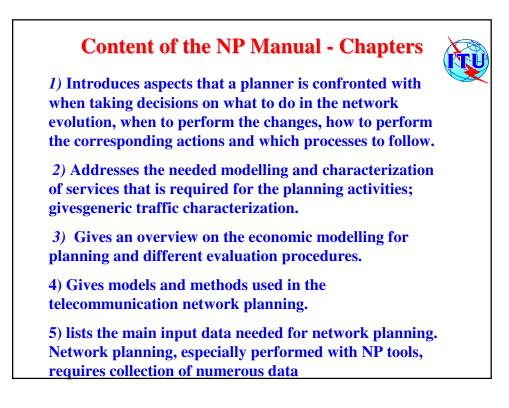
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| Telecom Network Plannin<br>Network Architec<br>Reference Man               | tures   |  |
| Draft version 3.1<br>February 2006   |   |  |
| ITU, Geneva, 2006  |   |  |

## **Manual on Network Planning**



The Reference Manual is intended for use by network planning experts from telecom operators, policy makers and regulators to facilitate the development of their respective strategies for evolution of the present network architectures and transition to the next generation networks - NGN.

The Reference Manual on the Telecom Network Planning for evolving Network Architectures intends to present an objective and technology neutral view of the issues to be addressed in the planning of the transition to NGN.



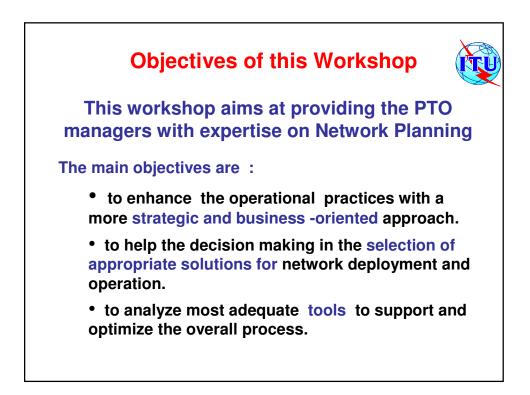
## **Content of the NP Manual – Annexes**



Annex 1 presents a portfolio selection of planning tools to support different planning activities. The selection criteria are: capability to model modern technologies, commercial availability and being well proven in the field.

*Annex 2* provides selection of most frequent case studies (ie: Network extension, transmission, signalling, migration to NGN, mobile, etc.) in order to illustrate the application process.

Annex 3 contains list with references and glossary of the most frequently used terms and abbreviations.





## Participants are trained :

- to analyse-benchmark the initial network situation
- to define an overall planning process
- · to carry out services- demand forecasts
- to analyse network alternatives and evolution
- to define proper techno-economical plans based on business feasibility and given quality
- to **analyse** role of network planning tools in the planning and operational process
- to use different Network Planning Tools for different Network Planning cases