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Telecom Network Planning for evolving Network Architectures

Reference Manual

Version 05

SOURCE: TELECOMMUNICATION DEVELOPMENT BUREAU (BDT)
TITLE: INDEX OF TOPICS AND WORK PLAN

Index of topics and Work Plan

Task 1: *Organization of Version 05 working process*

Invitation of contributors, organization of the team for Version 05 , etc.
Responsibility: R. Passerini BDT - Coordinator, I. Stanev - Editor
Date: May 2007

Task 2: *Work Plan for Version 05*

Preparation of the Work Plan for Version 05 of the Reference Manual
Responsibility: R. Passerini BDT - Coordinator, I. Stanev - Editor
Date: May 2007

Task 3: *Enforcing of Version 05 of the Reference Manual in the following topics*

- Chapter 2 – Overview of network planning

Verify content to reflect up to date multi-dimension NGN network planning process and NGN
network structure description.

- Chapter 3 – Service definition and forecasting

Enhance information on the description and classification of the different NGN services and the
corresponding customer segments.

Focus on the advanced NGN services demand forecasting methods and enhance information in
the following subchapters:

3.5. Service bundling
3.6. Service security

- Chapter 4 – Traffic characterization

Enhance information on the generalized traffic models of the different NGN services and the
corresponding customer segment traffic characterization.

Enhance information in the following subchapters:

4.3. Traffic aggregation process
4.7. Traffic evolution

- ͺ Chapter 6 – Network architectures and technologies

Verify content to reflect up to date network technologies and enhance information in subchapter:

6.2. New network technologies

- Mobile technology: EDGE, IMT-2000, WCDMA/HSPA.
- Access segment (wireline): xDSL, FTTx, Broadband Power Line
- Access segment (wireless): WI-MAX, WI-FI, iTV, Broadband Satellite
- Core (transmission) segment: FO, Microwave, Satellite
- Radio technologies: TDMA, CDMA, WI-FI, WI-MAX

Verify content to reflect up to date studies and if necessary enhance information for subchapter

6.4 Converged Networks
6.4.1 Fixed Mobile convergence
6.4.2 Broadcasting convergence

- Chapter 7 – Network design, dimensioning and optimization

Enhance information for subchapters:

7.4. ͺ Mobile Specific Issues of Radio Network Planning
7.6   Special issues for rural networks

- ͺ Chapter 8 – Data gathering

Enhance information particularly in subchapters:

8.4. Existing network and infrastructure
8.5. Telecommunication equipment characteristics and capabilities, costs

- ANNEX 1 Network Planning Tools

Revise information for new and updated network planning tools in:
A1.3. STEM
A1.4. VPIsystems
A1.5. LStelcom

- ANNEX 2 Case Studies

Include additional case studies performed on data from developing countries with tools from ITU partners. Preferably integrated case studies with results from several tools, e.g. business planning, access network planning, radio coverage planning for wireless access.

Responsibility: all contributors
Date: May to November 2007

Task 4: *Analyzing the feedback to the draft structure of the fifth version of the Reference Manual*
Collection of the contributions and comments to the draft structure of the fifth version of the Reference Manual and analyzing the feedback in terms of particular interests from the developing countries to be reflected in the content.

Responsibility: O. Soto, R. Passerini BDT – Coordinator, I. Stanev - Editor
Date: June 2007 to September 2007

Task 5: *Compiling and editing of the fifth version of the Reference Manual*
Collection of the contributions, compiling and editing of the texts.

Responsibility: R. Passerini BDT – Coordinator, I. Stanev - Editor
Date: June 2007 to January 2008

Task 6: *Revision of the compiled text of the fifth version of the Reference Manual*
Revision of the compiled text and comments to the fifth version of the Reference Manual.

Responsibility: all contributors
Date: November, December 2007

Task 7: *Issuing of Version 05 of the Reference Manual*
Collecting of all comments, final editing of the text and issuing of Version 05 of the Reference Manual.

Responsibility: R. Passerini BDT – Coordinator, I. Stanev - Editor
Date: December 2007

Task 8: *Finalizing of the work on Version 05 of the Reference Manual*
Finalization of the completed work and distribution of Version 05 of the Reference Manual. Publication of Version 05 of the Reference Manual on the ITU-web

Responsibility: R. Passerini - Coordinator
Date: January 2008