



Network Planning Strategy for Evolving Network Architectures

**Warsaw, 6-10 October 2003
Riccardo Passerini, ITU-BDT**

BDT Activities Related to Network Planning

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BDT Activities Related to Network Planning **What has been done**



- ITU has been supporting countries for Network Planning activity by maintaining a Planning Tool mainly used for PSTN: PLANITU

What has been happening

- Telecommunication networks architectures are changing to meet new requirements for a number of services/applications (Broadband, IP, Multimedia, mobile, etc.).
- Different solutions/network architectures can be taken into account for a smooth transition from existing network infrastructures (PSTN/PLMN) towards Next Generation Networks (NGN) as a result of the convergence process leading to different applications/services sharing network infrastructures.

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BDT Activities Related to Network Planning

How to act



- **Considering the different solutions/network architectures that exist, each Network Planning case has to be analyzed and dealt with by using more than just one planning tool.**
- **It means that maintaining and updating a unique tool is not the correct strategy to be applied for Network Planning.**
- **The major concerned Telecommunication Companies normally use different tools (or different packages integrated on a unique platform) for network Planning. They usually rely on the services of software companies who are in a position to provide quick updates as soon as required.**

Results of WTDC-02 related to Network Planning



The recent ITU World Telecommunication Development Conference WTDC-02 (Istanbul, 18-27 March 2002), approved the following text related to Network Planning:

-Programme 2, point 1.3: Network planning

WTDC-02 : ISAP programme 2



1.3 Network planning

“New-generation technology is to be introduced in the networks, speeding up the convergence process, obliging planners to apply different specialized up-to-date planning tools. Hence the strong need for assistance to the network planner within this programme. Particular attention will be focused on network planning methods suitable for developing countries' needs. The current PLANITU tool would continue to be available for use if required, but ITU will enter in partnership agreements with outside partners, positioned to provide the Union with appropriate planning tools for any specific network planning request.”

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Implementation of Network Planning Activities



- Direct assistance have been provided to the Countries upon request
- ITU-BDT Regional Seminars on Network Planning Strategy for Evolving Network Architectures

<http://www.itu.int/ITU-D/tech/network-infrastructure/index.html>

- Warsaw (Poland), 6-10 October 2003
- Bangkok (Thailand), 11 - 15 November 2002
- Nairobi (Kenya), 7-11 October 2002

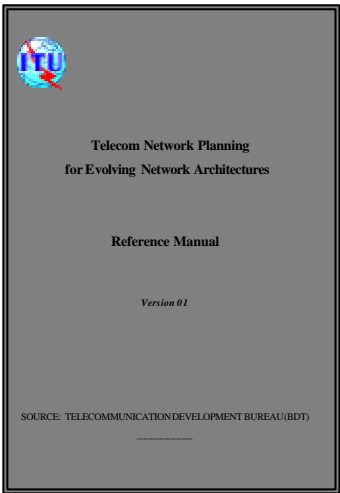
- Manual on Network Planning for Evolving Network Architectures

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Manual on Network Planning



<http://www.itu.int/ITU-D/tech/network-infrastructure/index.html>

- [ITU Vision on Network Planning](#)
- [Structure and Content of the Manual](#)
- [Work Plan](#)

Open for contributions

Version 01 end 2003

Work Plan

EXPECTED OUTPUT		RESPONS	TIME FRAME IN 2003								Com
Chap	Title of ch.		J	J	A	S	O	N	D		
A1	NP tools		X	X	X	X	X				
A2	Case Studies		X	X	X	X	X				
A3	References		X	X	X	X	X				
Editing (compilation)						X	X	X			
Informal meeting											
Revision								X			
Final version									X		

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