

Bridging the Gap: Taking Tomorrow's Network into Today

ITU-BDT Regional Seminar on Fixed Mobile Convergence and New Network Architectures for the Arab Region

Tunis, Tunisia, 21-24 November 2005

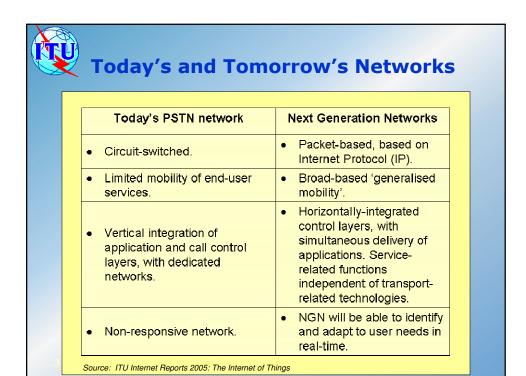
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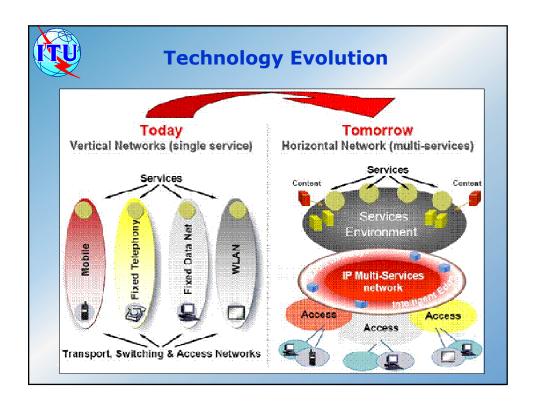
The views expressed in this paper are those of the author and do not necessarily reflect the opinions of the ITU or its Membership.



Agenda

- Today's and Tomorrow's Networks
- Taking Tomorrow's Network into Today
- Tomorrow's Network Today Workshop
- Case studies on Italy
 - > Ubiquitous Network Societies
 - Bridging the Gap: Taking Tomorrow's Network into Today
- Conclusion







Taking Tomorrow's Network into Today

- Ubiquitous Networks: "anytime, anywhere, by anything and anyone"
- Next Generation Networks: "packetbased network able to provide telecommunication services and make use of multiple broadband [...] transport technologies in which service-related functions are independent from underlying transport-related technologies"



Tomorrow's Network Today Workshop



To encourage further the development of Tomorrow's Networks, the International Telecommunication Union, the Italian Ministry of Communications, the Ugo Bordoni Foundation and the Aosta Valley co-organized the "Tomorrow's Network Today" Workshop.

Event website at www.itu.int/tnt/ provides links to final agenda, country case studies, presentations, electronic contributions and complete audio archives of meeting.

Brochure and CD-ROM (coming soon)



Case Studies on Italy

Italy has been chosen by the ITU as an ideal Case Study candidate because of its rapid growth of telecommunications in the past few years.

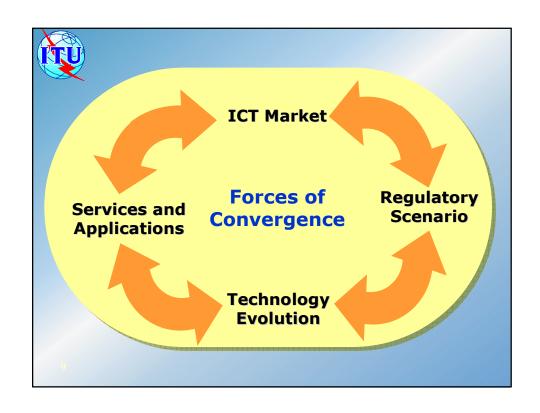
Two Case Studies have been produced:

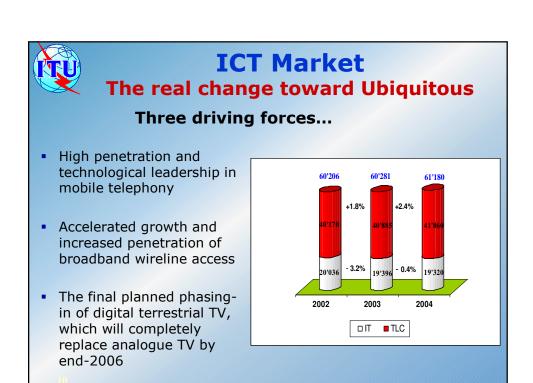
- Ubiquitous Network Societies: The Case of the Italian Republic
- Bridging the Gap: Taking Tomorrow's Network into Today The Case of the Italian Republic

Provide a state of the art review of the Italian telecommunication system and investigate on a possible evolution towards Tomorrow's Network



Is Italy ready to accept the challenge of full convergence?







The Italian Government supports the evolution towards Tomorrow's Networks

The Italian Government is committed to making Italy a leader of the digital age

- Modernizing the country through the widespread use of new information and communication technologies
- Boosting the country's competitiveness by accelerating the spread of the online economy and developing a model of the information society



Policy and Regulations

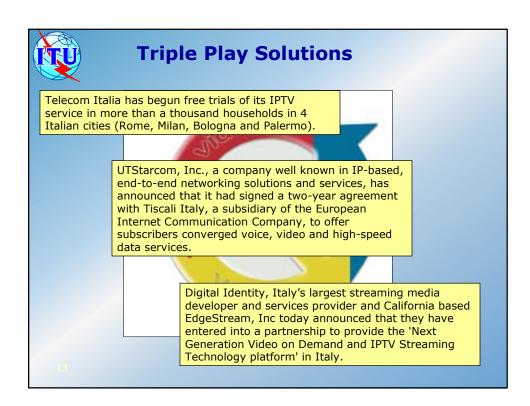
Italian Government's steps towards Tomorrow's Network

- Italian Code for electronic communications
- WIFI Decree
- E-Government Code
- Broadcasting Code
- Definition of clear rules for VoIP providers

In particular on VoIP:

Public consultation (VoIP)

- Deadline in September 2005 for Request for Comments
- Major players participated in the consultation with feedback and comments
- Next steps:
 - A Synthesis of the responses will be published on AGCOM web site soon
 - Finalized Regulation (by the end of the year?)





Fixed mobile convergence

CNIPA is trialing Avaya Mobile enterprise fixed mobile convergence (FMC) applications for Series 60 platform devices jointly developed with Nokia. These downloadable applications transform Series 60 platform mobile devices into virtual desktop phones by enabling workers on the move to access the features and functions of their Avaya Communication Manager office desk phone

The trial, which is due for completion during the month of October, is taking place at CNIPA's head office in Rome and is being piloted by employees from all areas of the business, including the president of CNIPA and the information technology department



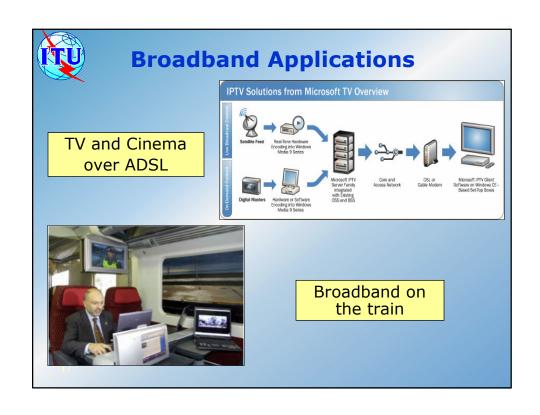
Towards Tomorrow's Network Services: where we are now?

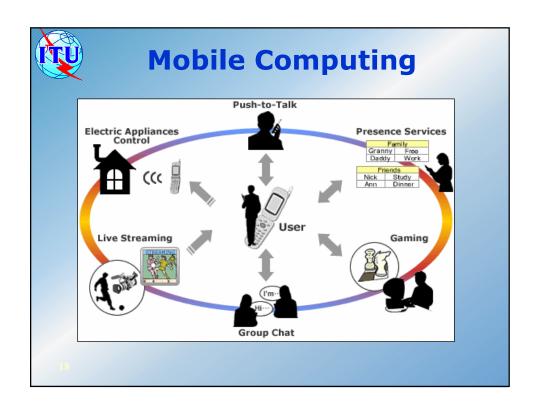


Customer Needs Evolution

- Customers want access to their communications and entertainment services from anywhere...
 - ➤ Home, office, on-the-go
- ...using several different devices and multiple access...
 - PC, telephone, mobile phone, PDA
- ... having always the best connection and guaranteed QoS
- ... with an increased protection of their Privacy and Confidentiality
- ...with simplicity and reliability









Domotics and RFID

Home appliances used to provide services via different technologies and communication media



Merloni implements RFID on its home appliances as proof of concept

Four of the major companies in Italy AEM, Bticino, EuroMilano and Fastweb have joined forces to build the first domotic residential area, in Milan.







Public Utility Services

Relevant investments (in particular by the Public Administration) in the area of integration and convergence

Experimental phase for t-government services

- Electronic Identity
 Card
- National Services
 Card



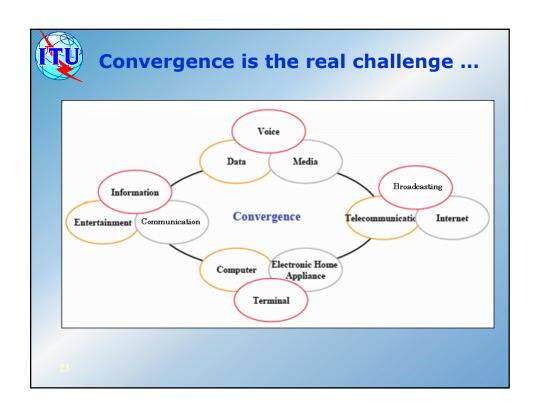


Bridging the Digital Divide

"Being Digital in Aosta Valley"

- Integrating DTT and Wireless technologies
- First clear example of technology and service convergence
- Three experimental areas
 - DTT and interactive services
 - Mobile television
 - Wimax, Hiperlan, Wi-FI







Thank you

The case studies are available at http://www.itu.int/tnt

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