

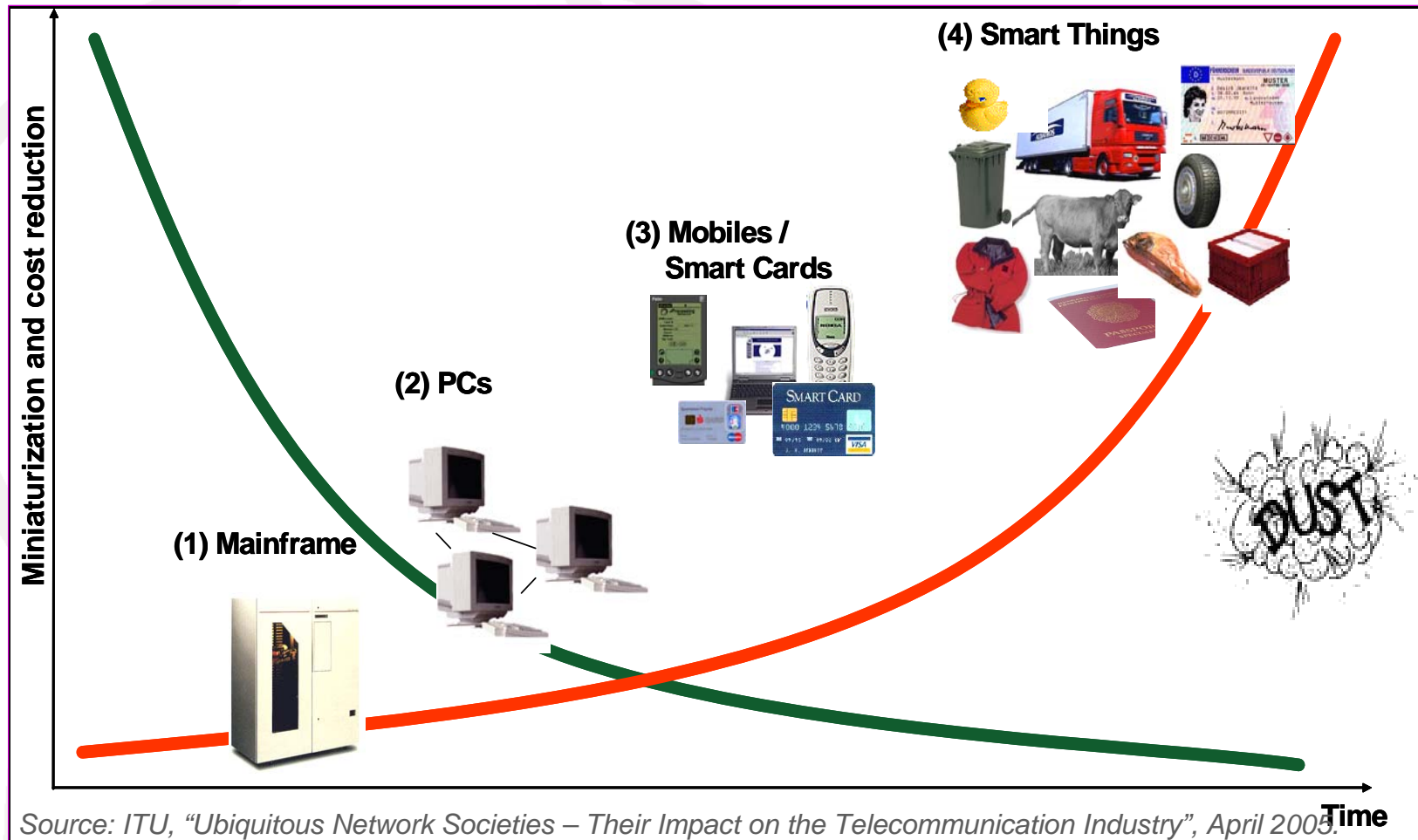
Asia-Pacific Regional Initiatives on NGN

Hanoi, Viet Nam
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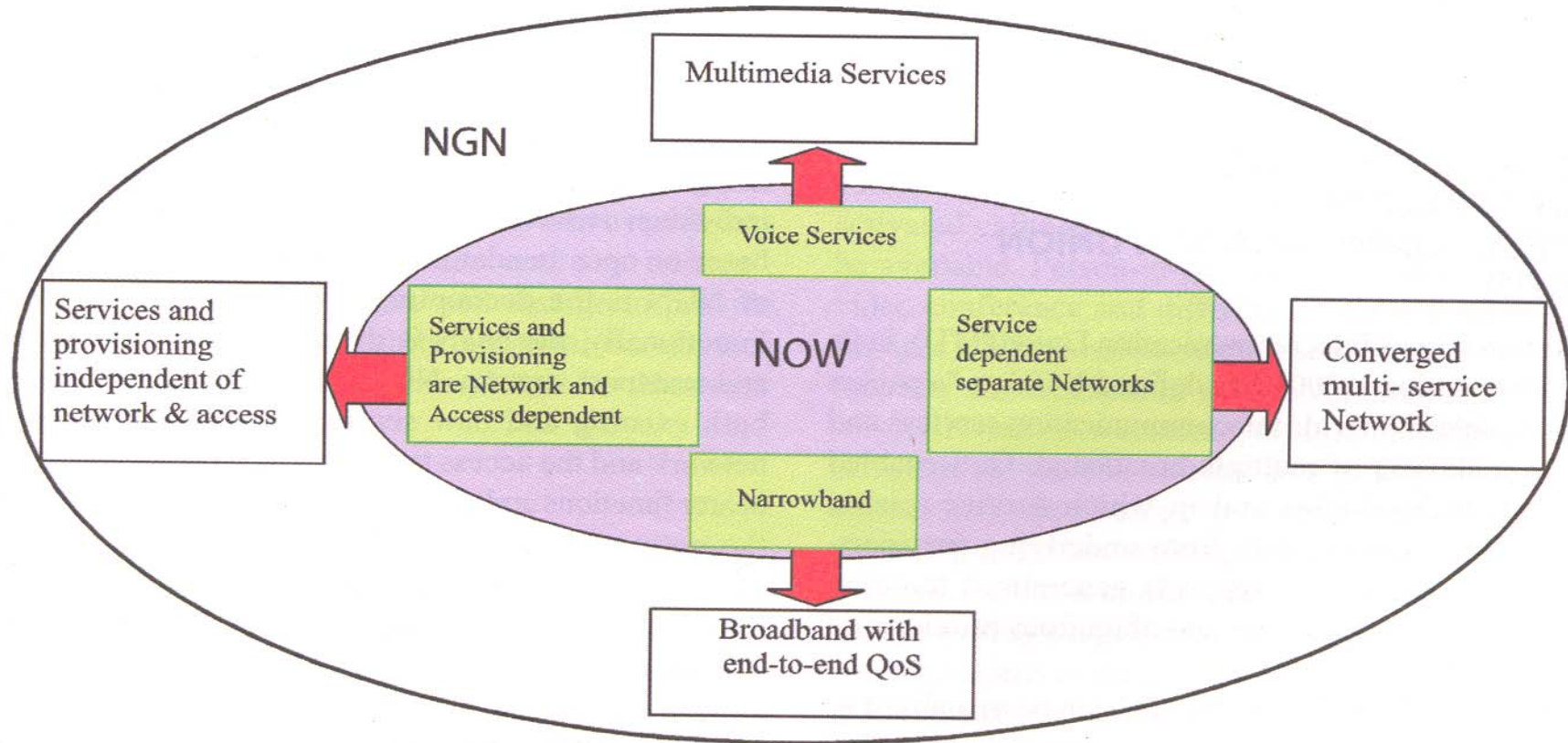
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What's Driving the Market?



“Miniaturization” of Devices and Prices

Paradigm Shift!



Changing Telecom Scenario

Why NGN?

- The NGN concept takes into consideration new realities in the telecommunication industry characterized by factors such as the need to converge and optimize the operating networks and the extraordinary expansion of digital traffic (i.e. increasing demand for new multimedia services, increasing demand for mobility, etc.)
- NGN also aims to tackle important concerns raised from the use of current IP-based services: (i.e. QoS and security)
- NGNs are an all-IP environment and can deliver both voice and data to any kind of device

ITU Asia-Pacific Regional Initiatives

Committed to connecting the world



<i>RI 1: Telecommunication/ICT policy and regulatory cooperation in the Asia-Pacific region</i>
<i>RI 2: Rural Communications – Infrastructure development</i>
<i>RI 3: Next Generation Networks (NGN) planning</i>
<i>RI 4: The unique telecommunication/ICT needs of Pacific islands and small island developing states (SIDS) in the Asia-Pacific region</i>
<i>RI 5: Strengthening the collaboration between ITU-T and ITU-D</i>

Through
PPP

Partners & Donors

CHINA, AUSTRALIA, SINGAPORE, EUROPEAN COMMISSION, THAILAND, MALAYSIA ETC.

ADB, UPU, JAPAN INDUSTRY, ETC.

APT, PITA, PIFS, ESCAP, INDUSTRY ETC.

AUSTRALIA, EUROPEAN COMMISSION, PITA, APT, ESCAP, WORLD BANK ETC.

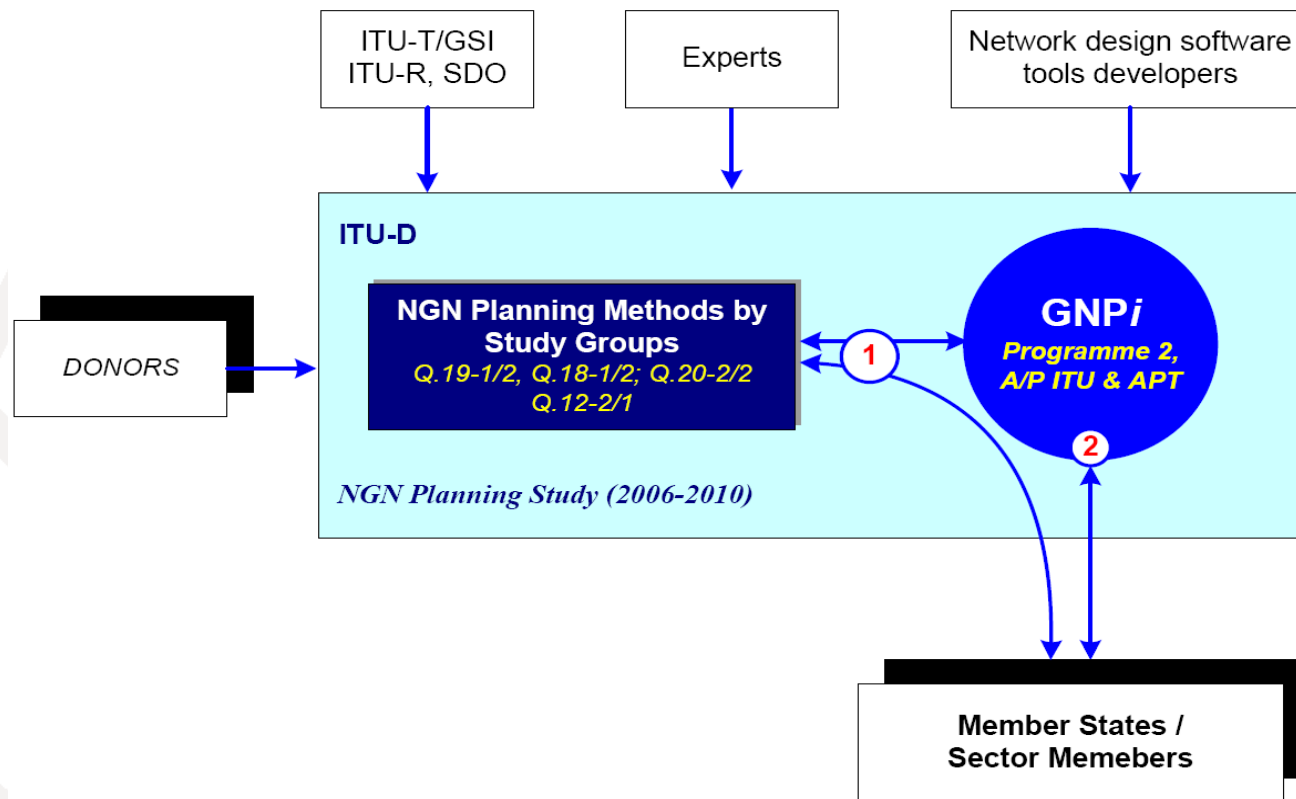
APT, ESCAP, INDUSTRY ETC.

Regional Initiative on NGN Planning

- Adopted at World Telecommunication Development Conference 2006), the Doha Action Plan include five Regional Initiatives for Asia-Pacific region
- This project seeks for ITU assistance to developing countries in smooth migration from existing networks into the NGN by
 - Studying specific questions as requested by Member States in order to develop Handbook/Guidelines on applying NGN network planning methodologies
 - Software tools ,technologies and migration strategies for NGN
 - To launch [Regional Network Planning Initiative](#) to assist migration
 - Establish and develop NGN applications for benefit of end users utilizing the NGN infrastructure

Regional Network Planning Initiative

Promote NGN planning activities by using outcomes of ITU-D Study Groups (1,2) utilizing expertise of NGN planners, ITU, NGN design software providers, networks equipment manufacturers, and academic societies



Regional Initiative on NGN Planning

- The outcome of the project has two components:
 - **Component A:** Seeks to develop 'Handbook, Guidelines and Case Studies on NGN Migration Strategies and Planning Methodologies using advanced models and software Tools'
 - **Component B:** 'To develop Pilot Projects on NGN applications and service deployment under global network planning initiative'

ITU Regional Initiative on NGN

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ITU-D Projects : Regional Initiatives : Asia & Pacific - Microsoft Internet Explorer

Address: http://www.itu.int/ITU-D/projects/proj_reg-init_ASP.asp

http://www.itu.int - ITU-D Project description : NGN Planning, Migration and Applications - Microsoft Internet Explorer

International Telecommunication Union

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NGN Planning, Migration and Applications

Project No	ASP08-005
Title	NGN Planning, Migration and Applications
Short Title	TBD
Description	Adopted at World Telecommunication Development Conference (WTDC, Doha, 2006), the Doha Action Plan include five regional initiatives for Asia-Pacific region. This umbrella project is one of the initiatives and seeks for ITU assistance to developing countries in the region in smooth migration from existing networks into the Next Generation Network (NGN) by studying specific questions as requested by Member States in order to develop Handbook/Guidelines on applying NGN network planning methodologies, software tools and technologies and migration strategies for NGN. In addition, the project also seeks to launch global network planning initiative to assist migrate, establish and develop NGN applications for benefit of end users utilizing the NGN infrastructure. The outcome of the project has two components: Component A: Seeks to develop 'Handbook, Guidelines and Case Studies on NGN Migration Strategies and Planning Methodologies using advanced models and software Tools' and Component B: 'To develop Pilot Projects on NGN applications and service deployment under global network planning initiative'.
Status	Unfunded

Project Partners: Ministries of

September, 2008

NGN Initiatives in Asia Pacific (1)

- Asia-Pacific Forum on NGN Planning
 - ITU and the Asia Pacific Telecommunity (APT) jointly organised a Workshop on NGN Planning from 16-17 March 2007 in Bangkok, Thailand
 - It provided platform for interaction, information sharing and discussion amongst 180 experts from 24 countries representing APT and ITU Members, international organizations, and private industry
- Training on “Bridging the Standardization Gap” during 18-22 June 2007 in Tokyo, Japan, which benefited 26 participants from 21 countries in enhancing their knowledge on Standardization + NGN.

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

NGN Initiatives in Asia Pacific (2)

- Training on “Bridging the Standardization Gap” planned in Japan during December 2008, which would enhance knowledge in the area of Standardization including NGN
- NGN Migration Workshop Bhutan : June 2008
- Training Courses by ITU Centre of Excellence Nodes
 - The Economics of NGN, Bangkok Thailand, 11-14 December 2007 benefitting 31 participants
 - NGN, Pusan, R.O. Korea : 10-13 November 2008
 - Forum On Next Generation Telecommunication in the Pacific: Sydney, Australia, from October 13 to 16, 2008

NGN Projects in 2009

- NGN Pilot Projects in Asia-Pacific Region including demand for NGN in rural areas
- Request from Vietnam, Mongolia, Bhutan, Iran, Thailand, ASEAN
- Regional Workshop/Training on NGN Planning: Technology and Strategy : August 2009
- Partners : World Bank , PITA , UNESCAP

Road to Next-Generation Regulation

- Establish forward-looking regulatory regimes
- Recognizing the need for regulatory flexibility and technology neutrality
- Removing undue regulatory barriers to competition and innovation
- Establish investment-friendly regulation while maintaining a level playing field and protecting consumer interests
- The best practice guidelines cover access, interconnection, numbering, universal access, quality of service, consumer awareness, security and protection.

Conclusions

- NGN is an area of significant importance for operators , service providers and regulators
- ITU Invites partnership on
 - NGN Planning tools
 - Developing guidelines on NGN migration strategy
- Human Capacity Building
 - Participation in the NGN Training
- Case Study on NGN Migration
- Any other proposal?

THANK YOU

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