

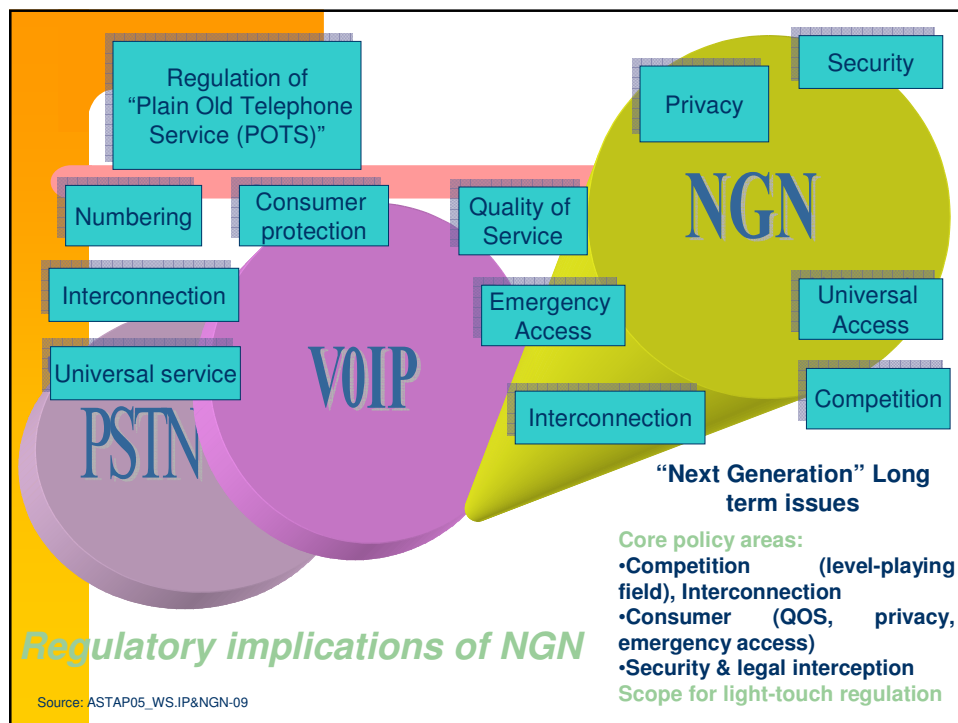
Workshop on Interconnection and NGN
Networks: Addressing the Regulatory
Challenges

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Regulatory Trends for Next Generation Networks

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Regulatory challenges in an NGN world

- Competition
- Licensing
- Interconnection
- Universal Access
- Privacy
- Security
- Emergency numbers
- Quality of Service

NGN as a national issue

Country examples

Europe	Asia-Pacific	Africa
Austria	Australia	Tunisia
France	Hong-Kong	
Germany	India	
Hungary	Japan	
Netherlands	Singapore	
Portugal		
Romania		
Spain		
UK		

NGN as a national issue *Case of United Kingdom*

UK Office of Communications (OFCOM)

- Consultation on Future arrangements for access and interconnection, Nov. 2004
- Next Generation Networks: Further Consultation- June 2005
- Next Generation Networks: Developing the regulatory framework, March 2006
- NGNuk established as an independent NGN industry body, April 2006



NGN as a national issue *Case of India*

Telecommunication Regulatory Authority of India (TRAI)

- Study paper on NGN in July 2005
- Questionnaire to major operators
- Consultation paper on issues pertaining to NGN Jan. 2006
- Open discussions Jan/Feb 2006
- Recommendations on NGN, March 2006

TRAI's recommendations

- Need for Awareness Building
- Enabling Policy and Licensing Framework
- Facilitating Regulatory Initiatives
- Technical & Standardisation Issues
- Need for Cross-Industry & Regulator Collaboration



NGN as a national issue

Advisory forums

Selected examples

- Australia Communications Industry Forum
- Japan: Next Generation Network promotion forum
- UK: NGNuk Industry Body
- India: NGN eCo'

Regional and international discussions on NGN

<i>Regional Institutions</i>	<i>Global Institutions</i>
APEC	World Bank - infoDev
APT	IDATE
CITEL	INTUG
CEPT	ITU
EC - ERG	OECD
ECTA	
ETNO	

See: www.itu.int/osg/spu/ngn/ngn-policy-regulatory-resources.html

NGN on an International Level

ITU takes a leading role



- Ruling new and emerging markets
- Interconnection in an IP-enabled NGN Environment
- Universal Service in an IP-enabled NGN Environment

ITU-T SG 13: Rec. Y.2001

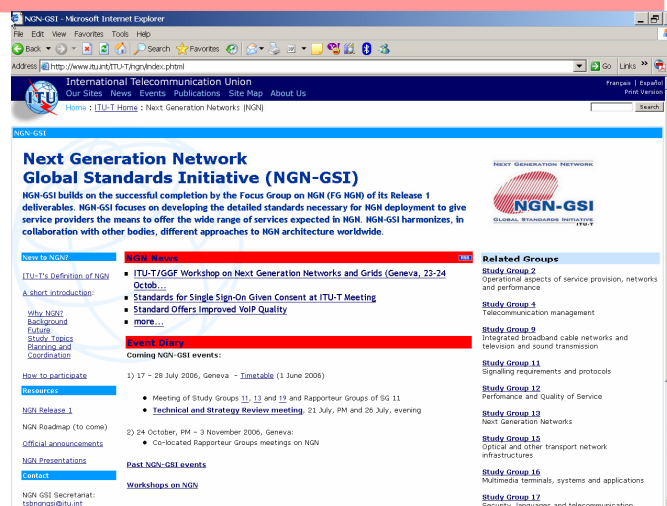
A NGN is a **packet-based network** able to provide telecommunication services and able to make use of **multiple broadband, QoS-enabled** transport technologies and in which **service-related functions** are **independent** from underlying **transport-related technologies**. It enables **unfettered access** for users to networks and to competing service providers and/or services of their choice. It supports **generalized mobility** which will allow consistent and ubiquitous provision of services to users.



SG: 11, 13, 19, 2, 12, 16, 17

NGN on an International Level

ITU takes a leading role



NGN on an International Level

ITU takes a leading role



Study Groups

Question 6-2/1: Regulatory impact of next generation networks on interconnection

Question 12-2/1: Tariff policies, tariff models and methods of determining the costs of services on national telecommunication networks, including next-generation networks

Question 19-1/2: Strategy for migration from existing networks to next-generation networks (NGN) for developing countries

Programmes

Programme 1 – Regulatory Reform

Programme 2 - Information and communication infrastructure and technology development

Programme 3: E-strategies and ICT applications

NGN on an International Level

ITU takes a leading role



Trends in Telecommunication Reform 2007

Global Symposium for Regulations 2007

NGN Regulation

- What do we mean by NGN
- What are the driving forces behind NGN
- Market power regulation and NGN
- Quality of service
- Interconnection
- Rate regulation
- Consumer issues, including consumer protection and universal access
- Enabling environment (importance of public consultations)



NGN – the opportunity

NGN is an **opportunity** for regulators and policy makers to create a best practice regulatory framework to promote innovation, investment and affordable access

Recommendations

- Act now
- Consult widely
- Facilitate competition and growth in services
- Encourage competitive market based outcomes
- Technology and service agnostic approach, unified licencing
- Pursue universal service goals efficiently
- Educate consumers and ensure participation
- Maintain continued operation and of legacy PSTN until full migration
- Create reasonable certainty for the sector
- Explore co and self-regulation options
- Balance roles of regulator and market
- Plan, time and sequence reform optimally

Thank you!

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