

NGN Standards overview and Workshop Objective

Chae Sub Lee

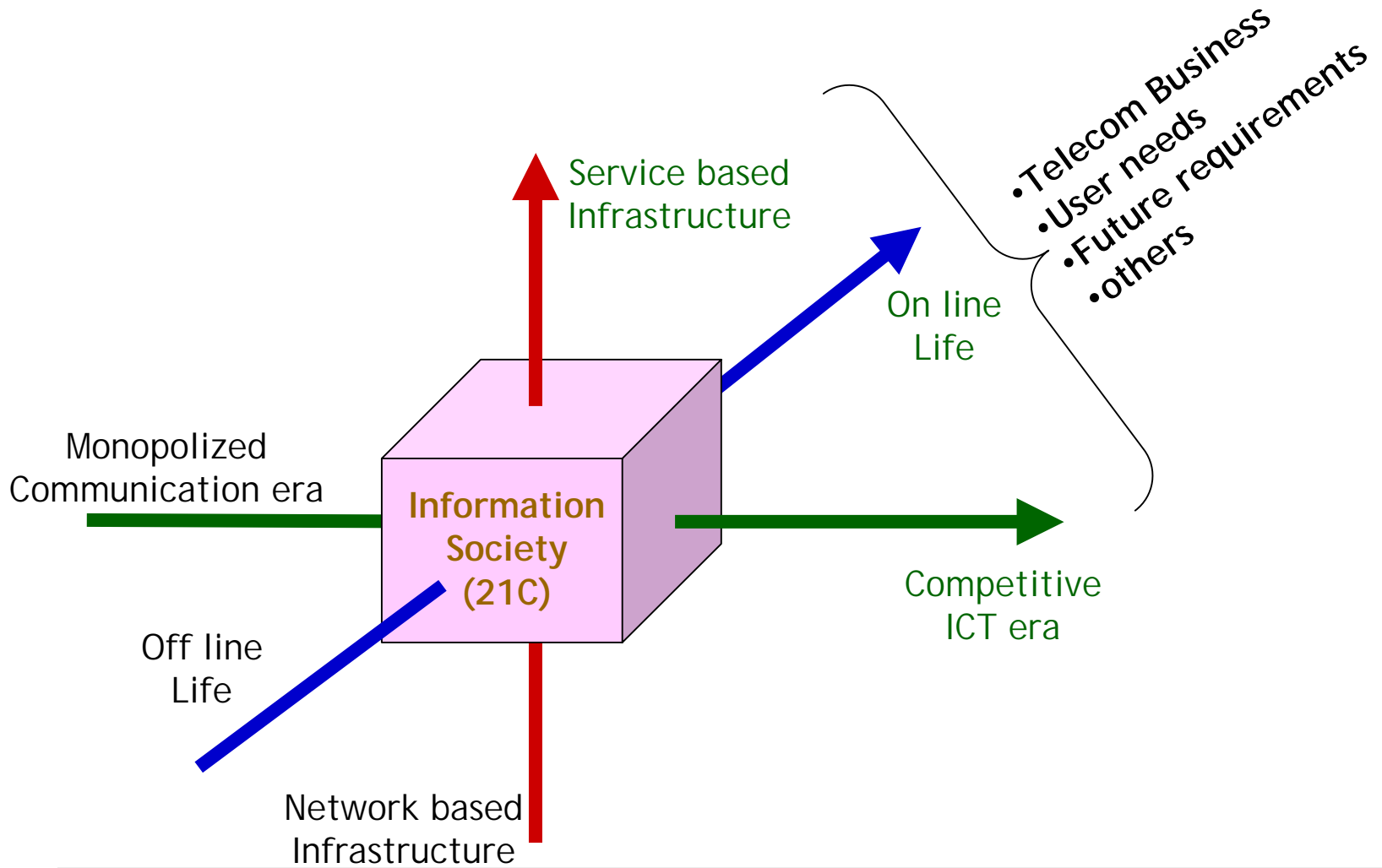
(Chairman of WP2/13, ETRI, Korea)

Contents

1. Why need NGN?
2. NGN and its Standards
3. Objectives of today

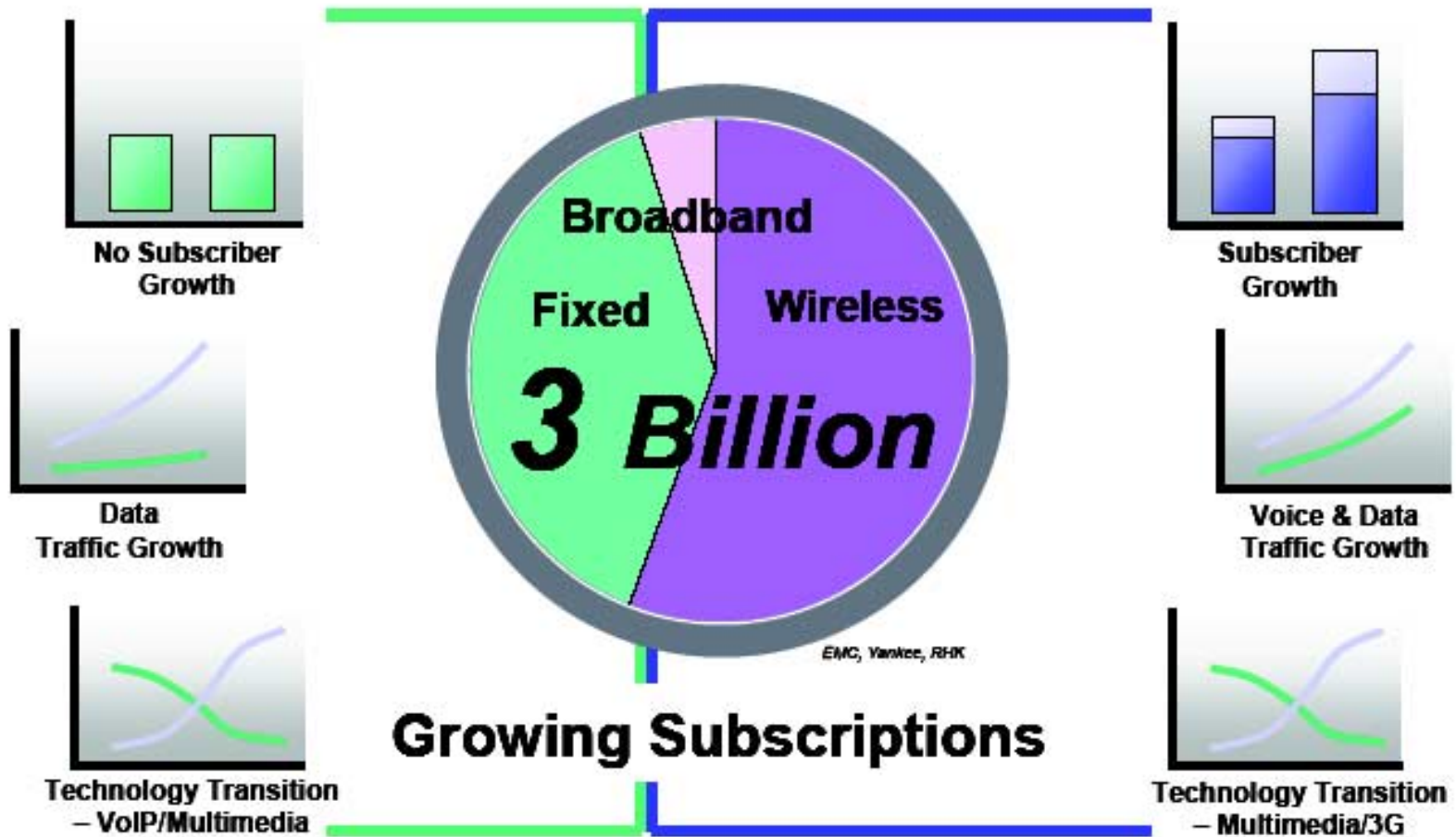
1. Why need NGN?

Success, Problems or Dilemmas?



1. Why need NGN?

Telecom Market Today



*Source : "Mobility and Fixed Mobile Convergence, John Visser, Nortel, ITU-T/ATIS NGN Workshop, Las Vegas, USA, March.2006

1. Why need NGN?

What is keeping SP CEOs awake at night?

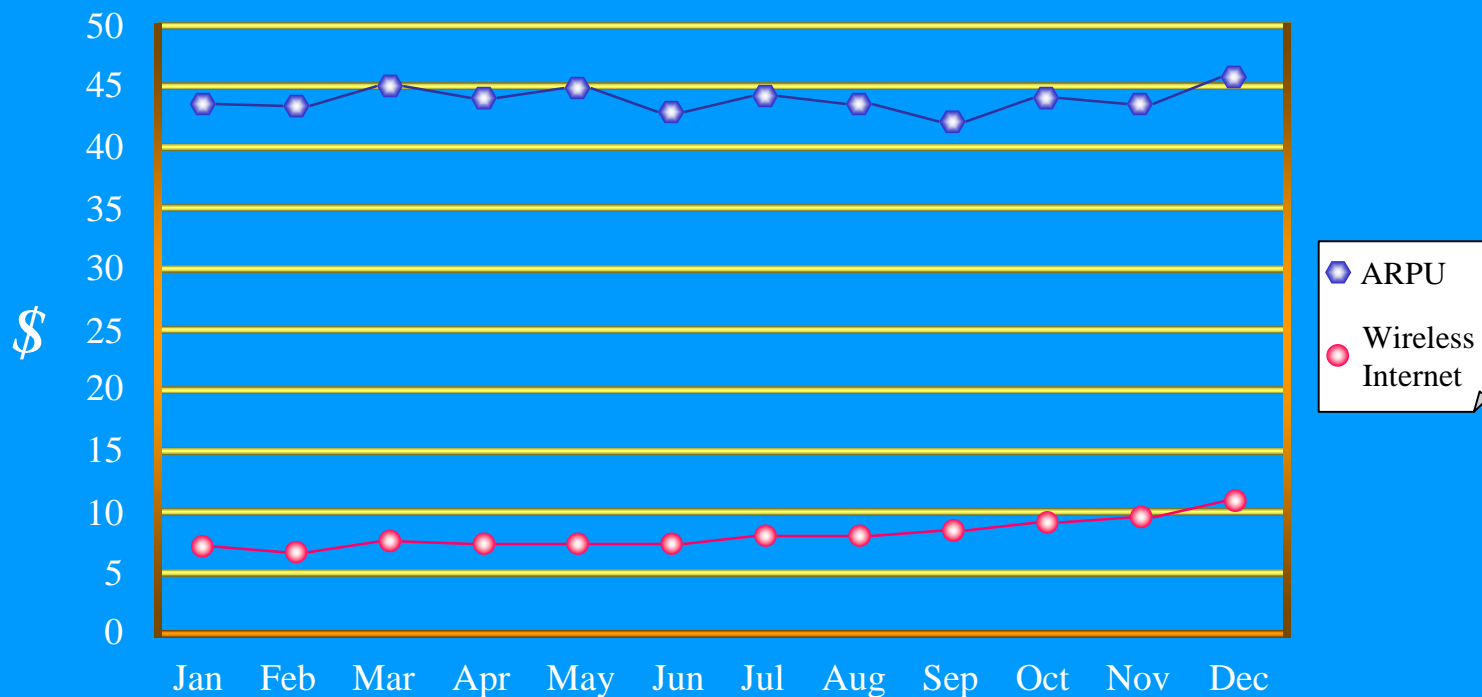
- Revenue is saturated or declining for most core products
- Competition is increasing in all markets
- Google, Skype et al are creating a new kind of competitive landscape
- Costs are too high
- We need a solution NOW

*Source : "NGN: an answer to all end users' problems?", Chris Lewis, NGN Industry Event, London, UK 11.2005

1. Why need NGN?

But even Mobile Business...

ARPU of SK Telecom in Korea



Source: 

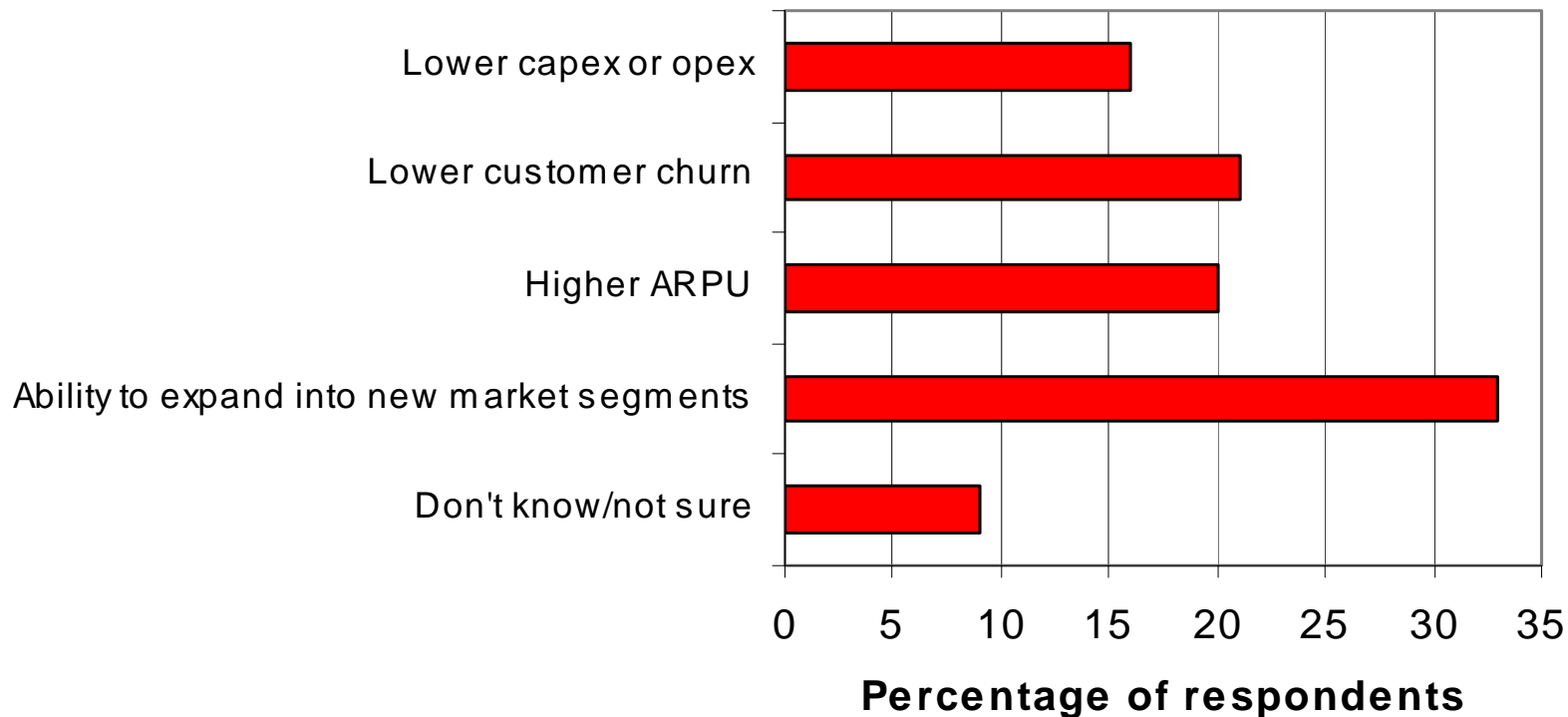
ARPU Analysis

- o Analysis means
 - Subscribers saturated in Korea
 - ARPU increases little and little slightly
 - Voice revenue keeps stagnant
 - Wireless data revenue has jumped three fold over the past three years
 - But ARPU doesn't increase that much because of price reduction

1. Why need NGN?

No clear reason, but want.....

What is the main benefit of FMC for telecom service providers?



*Source : "NGN, IMS and FMC", Graham Finie, NGN Industry Event, London, UK 11.2005

1. Why need NGN?

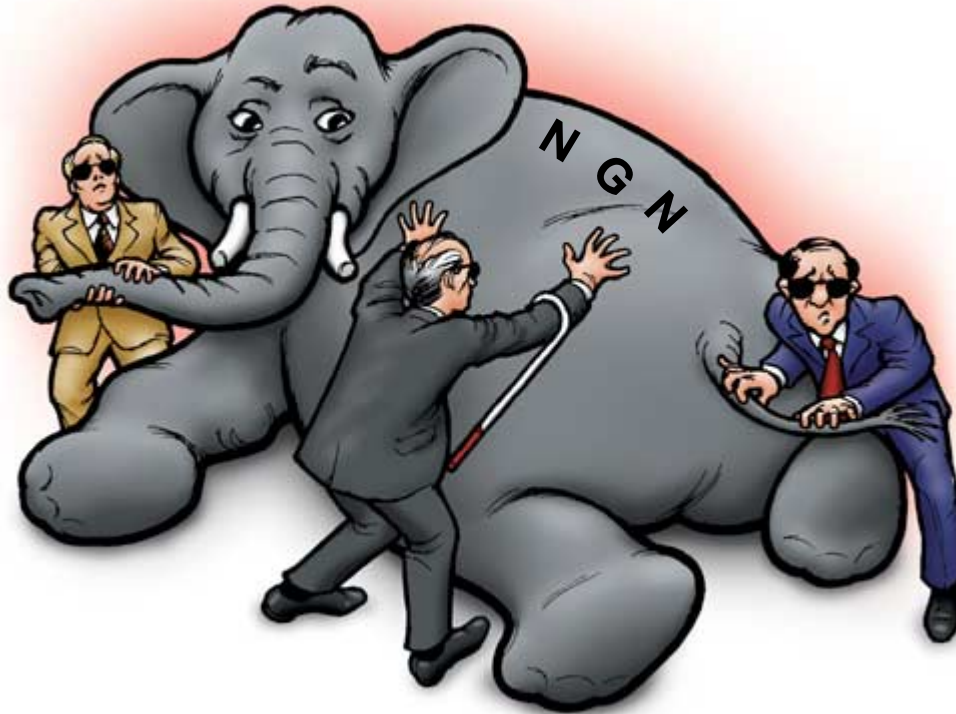
Everybody needs next, so... NGN



Integrated
Engineering



Moves, adds
and changes



Mobile Workers



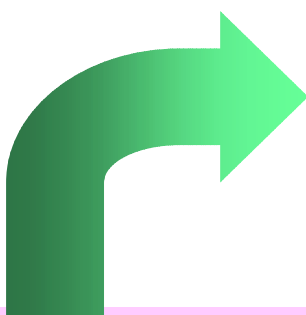
Intelligent
Office



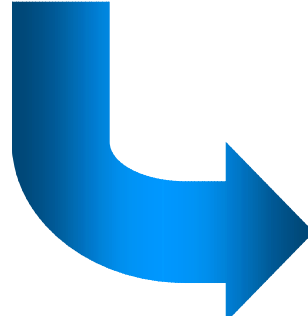
Teleworking

*Source : "NGN: an answer to all end users' problems?",
Chris Lewis, NGN Industry Event, London, UK 11.2005

NGN in 4 words...

- 
- by Fixed
 - by Mobile
 - by Wireless

NGN = Broadband Managed IP Network

- 
- for Services
 - for Businesses
 - for Players
 - for Users

Objective of ITU-T NGN

- Provide both Customer and Provider facilitated provision to support services over wireline and wireless broadband accesses
- Support the desire of customers to be able to access their services from anywhere (inherent mobility)
- Facilitate to merge diverse network services - data (web browsing), voice, telephony, multimedia and emerging “popular” internet services such as Instant Messaging and Presence and broadcast type services
- Support a flexible platform for service delivery

NGN is ...

not

Next Generation Internet

the IMS based network

**only for a Fixed nor a
Mobile network**

any more best duties

**any more closed public
network**

only for usage awareness

but

Next Generation Public
Telecommunication Net.
IMS is a core part of NGN

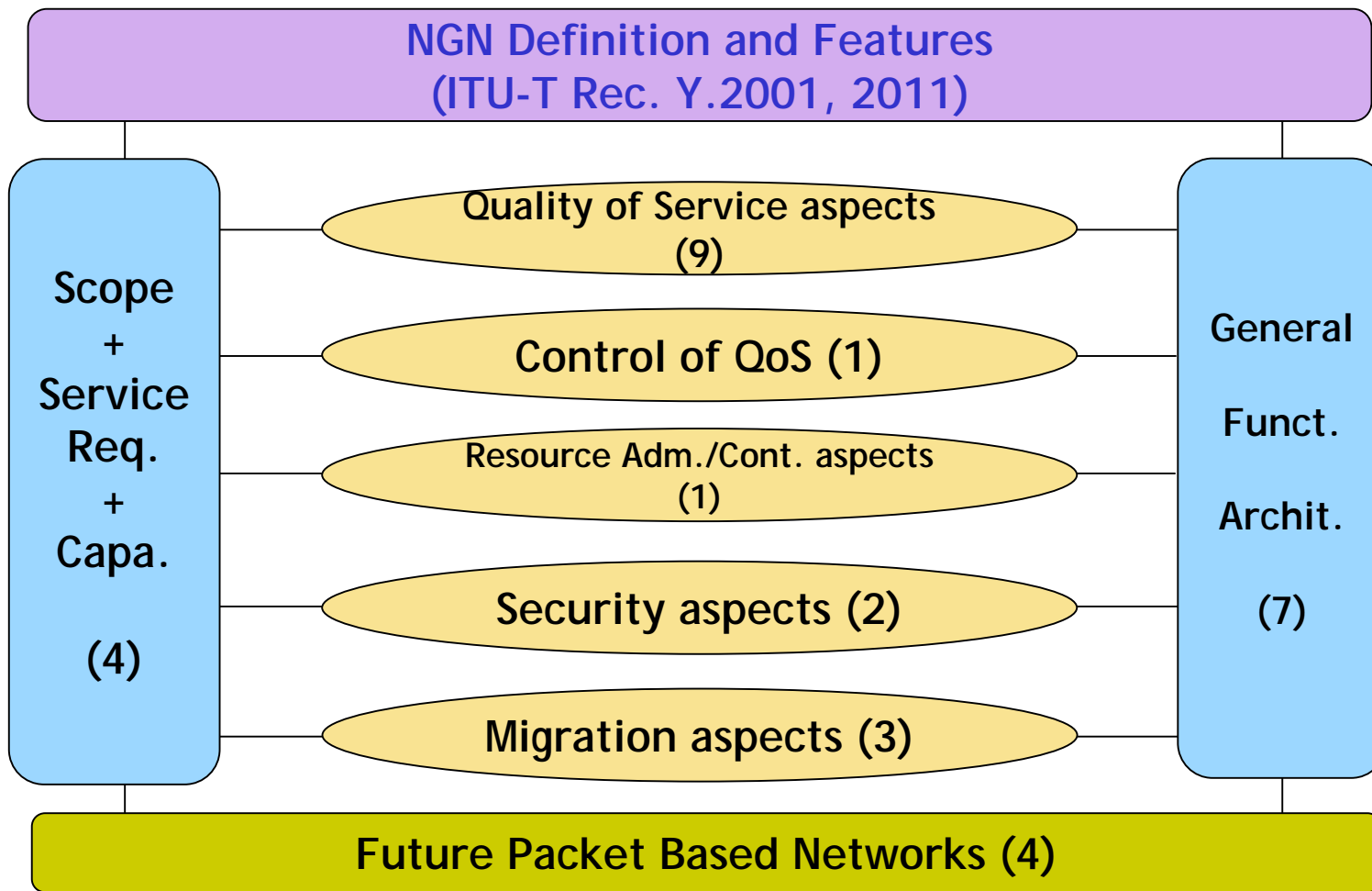
Converged capabilities btw.
Fixed-Mobile (FMC)

guaranteed duties

fully open I/F in access-
core and service-transport

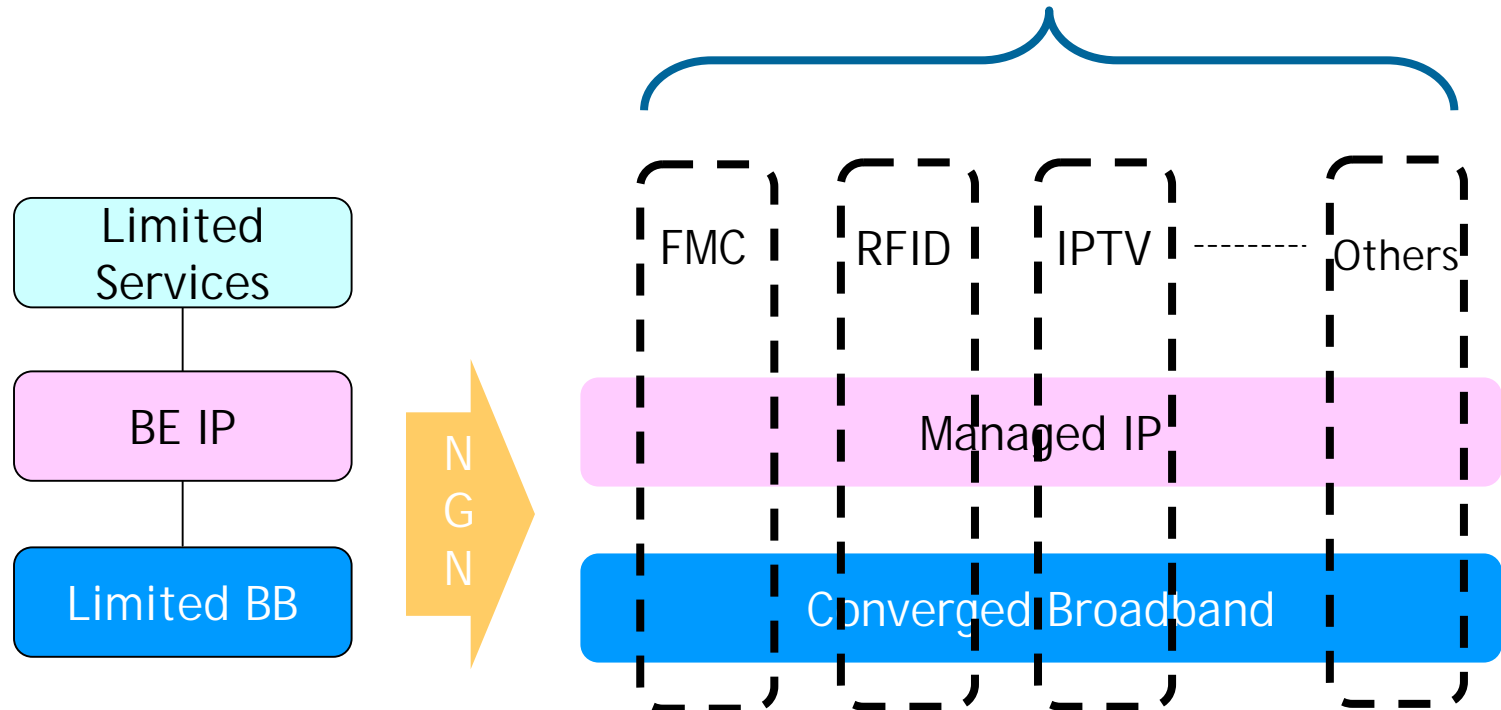
support various businesses

Deliverables from FGNGN



Impacts of NGN Standards

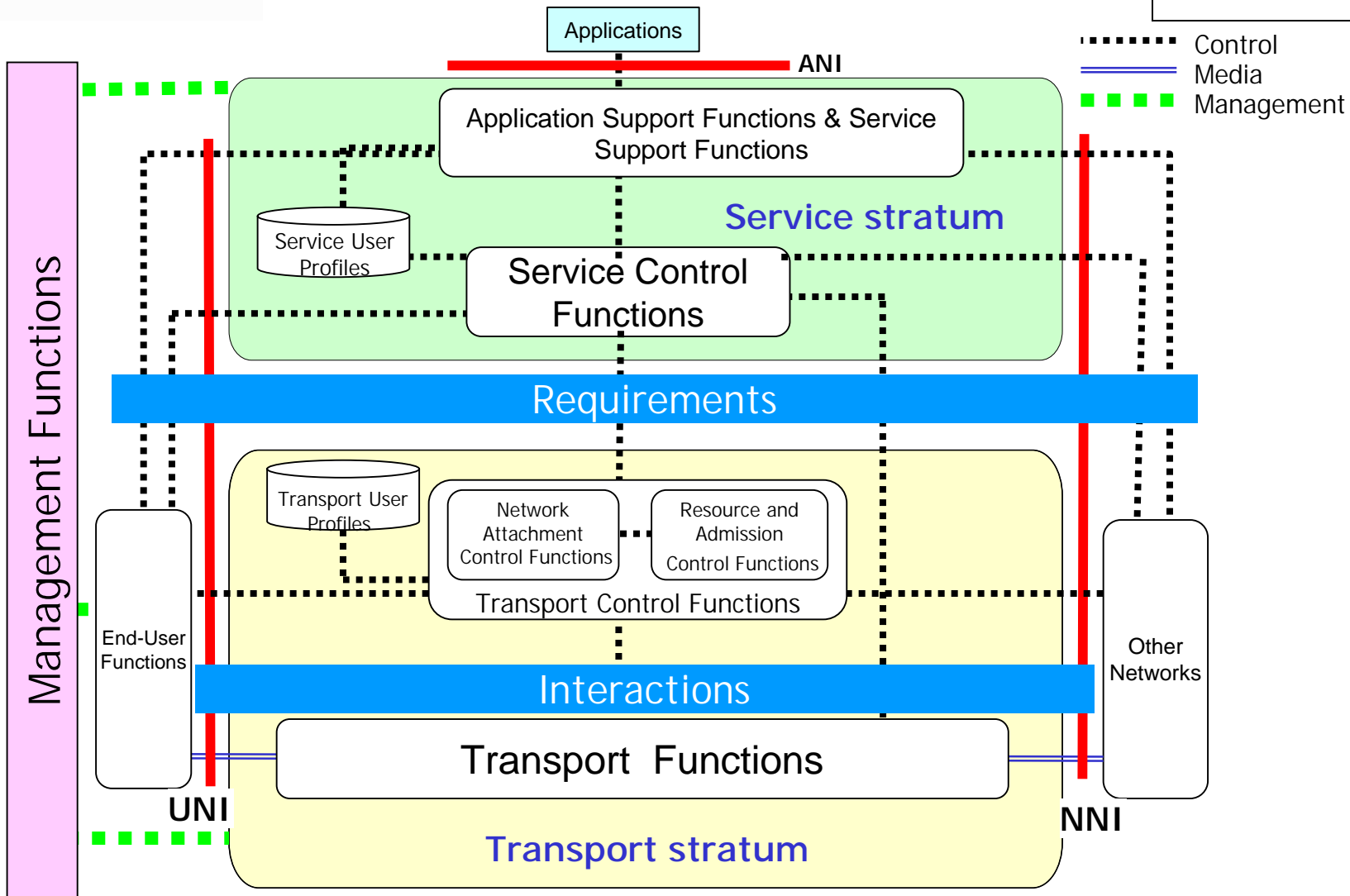
Business/Application oriented projects



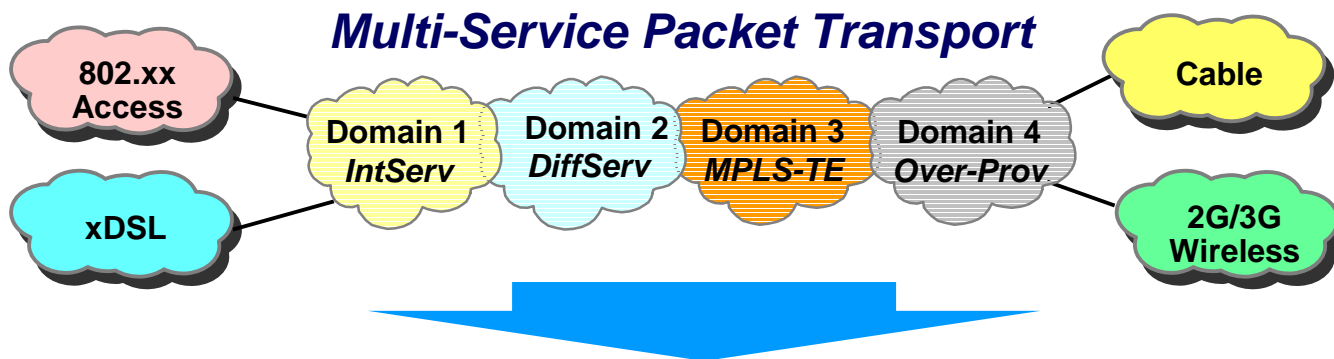
- Simple linkage btw layers
- Simple business relationships
- Simple players

- Simple linkage btw layers with dynamics
- Diverse and Flexible business relationships
- Diverse business models and players

Overall NGN Architecture

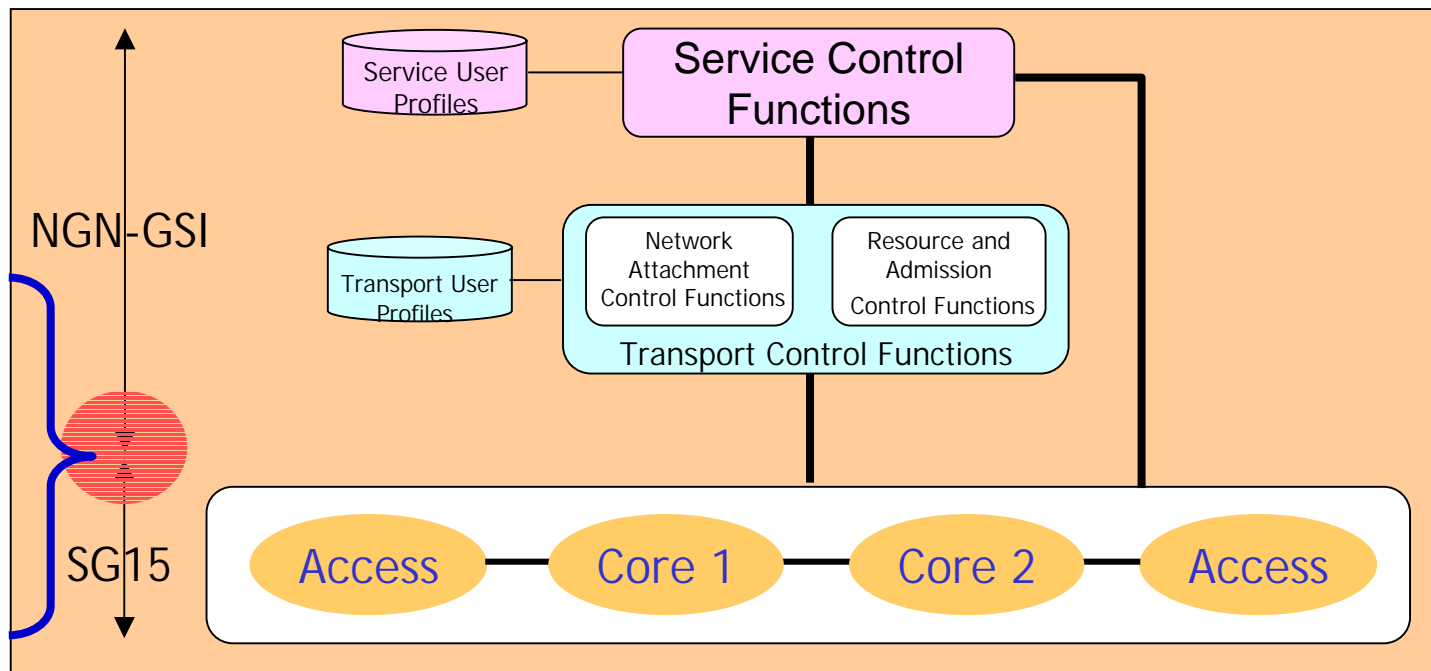


Study on NGN over Transport



Practical Tuning

- QoS
- Control
 - Traffic
 - Resource
- OAM
- etc



Thank you
for your attention !!!