



# **Business and Network Migration to NGN**

**2007.3**

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**KT**

# Table of Contents

 **Business Environment**

 **NGN in the Value Chain**

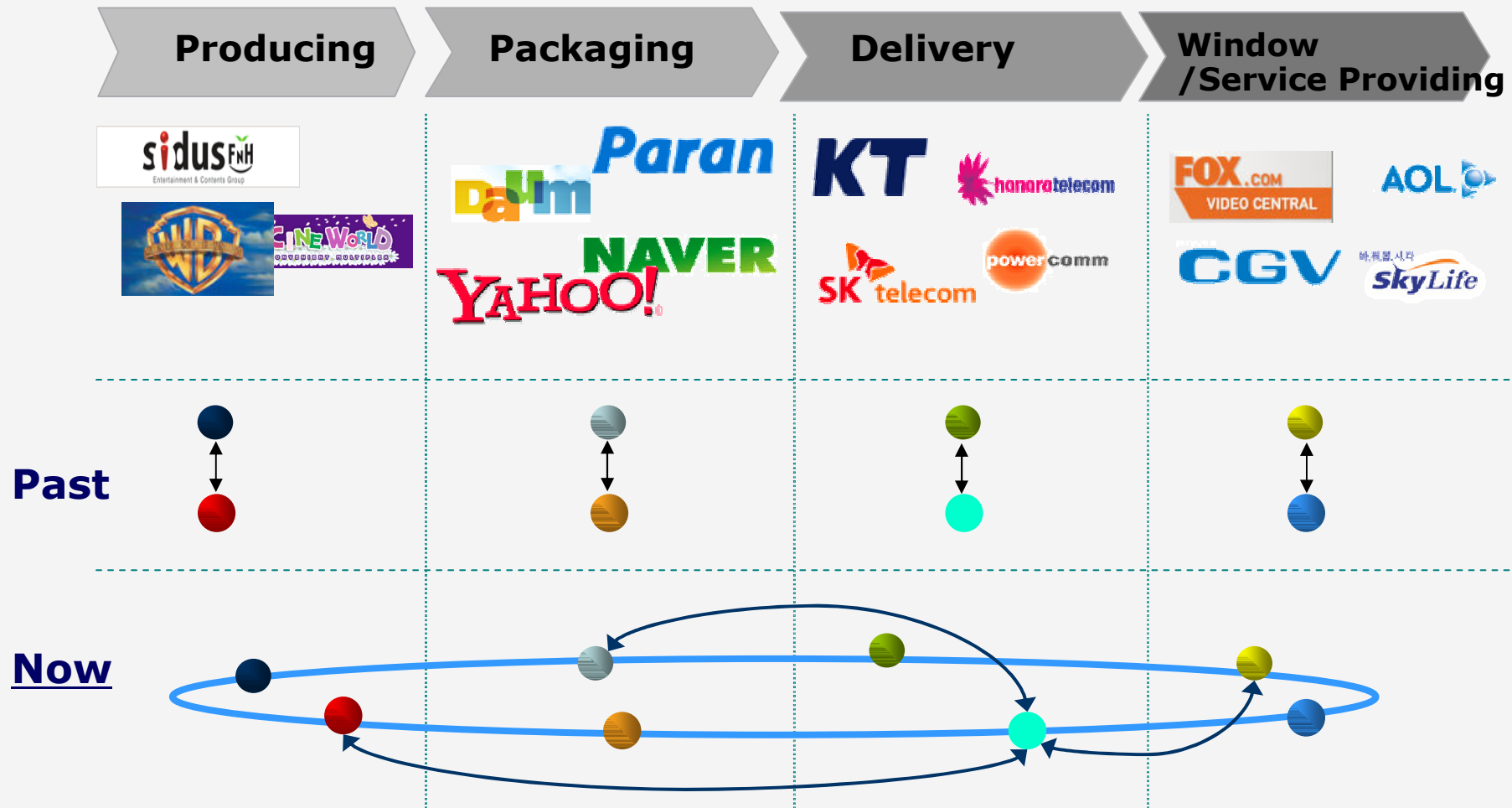
 **Network & Platform**

 **Summary**

Life is wonder

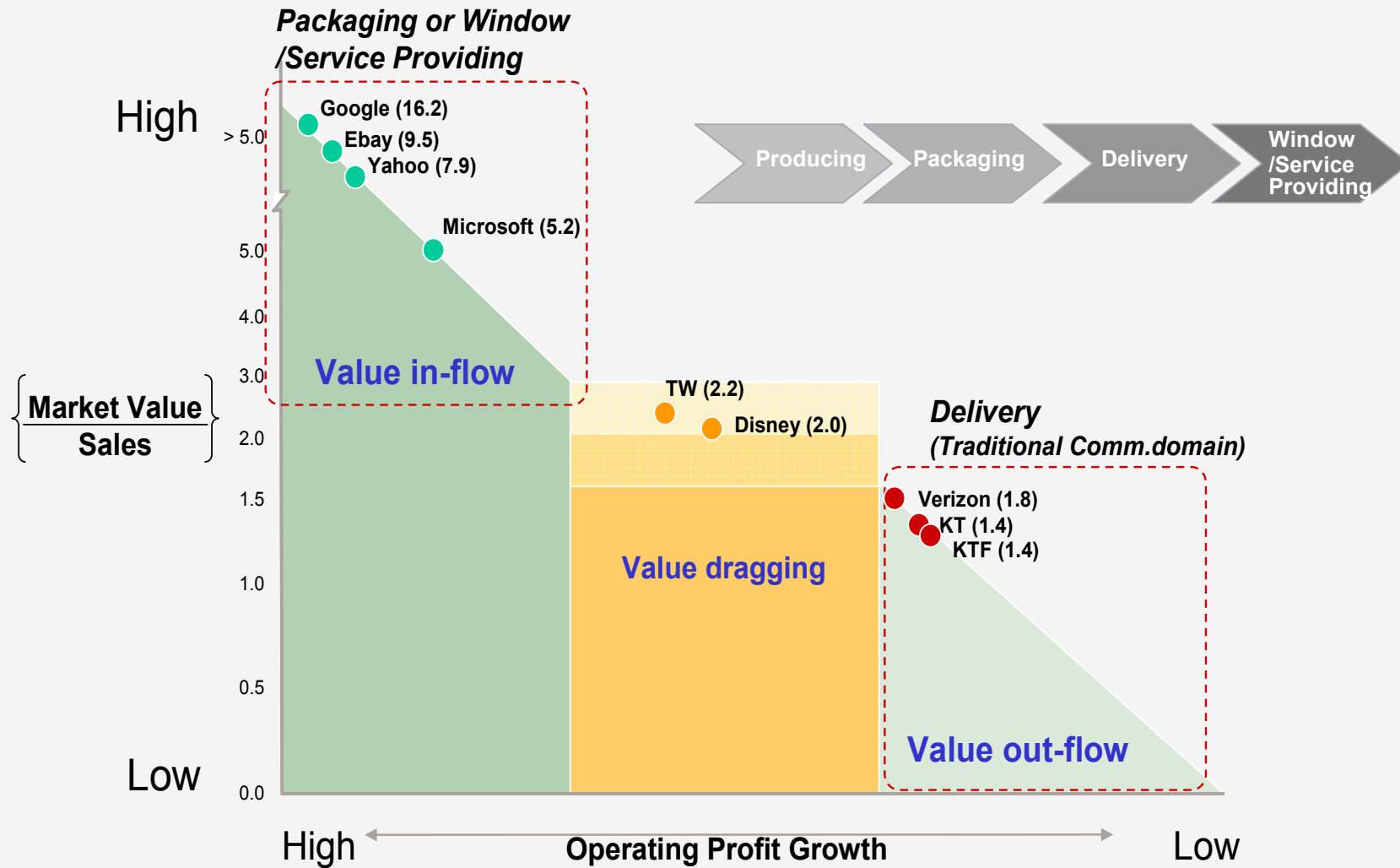
미소를 스치는 바람속에도, 두 손짜리 온기까지 한 점에도, 사랑사의 웃음이 눈송이처럼 내리쬐는 날마다. 삶은 아름다워요. KT가 당신의 삶을 원더로 가득 채워 드리겠습니다. Life is wonderfull,KT

# Changes in the ICT Value Chain

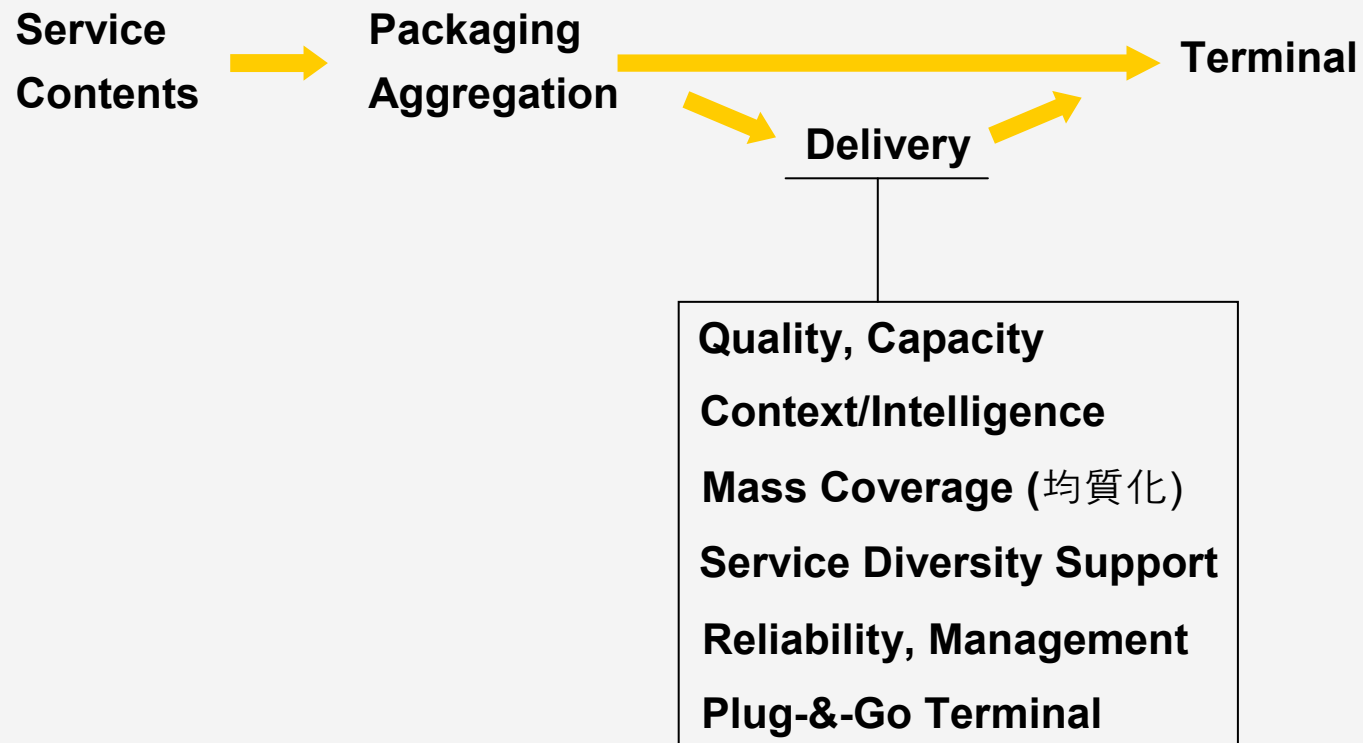


- Competition within the same value chain boundary
- Competition beyond the traditional value chain boundary

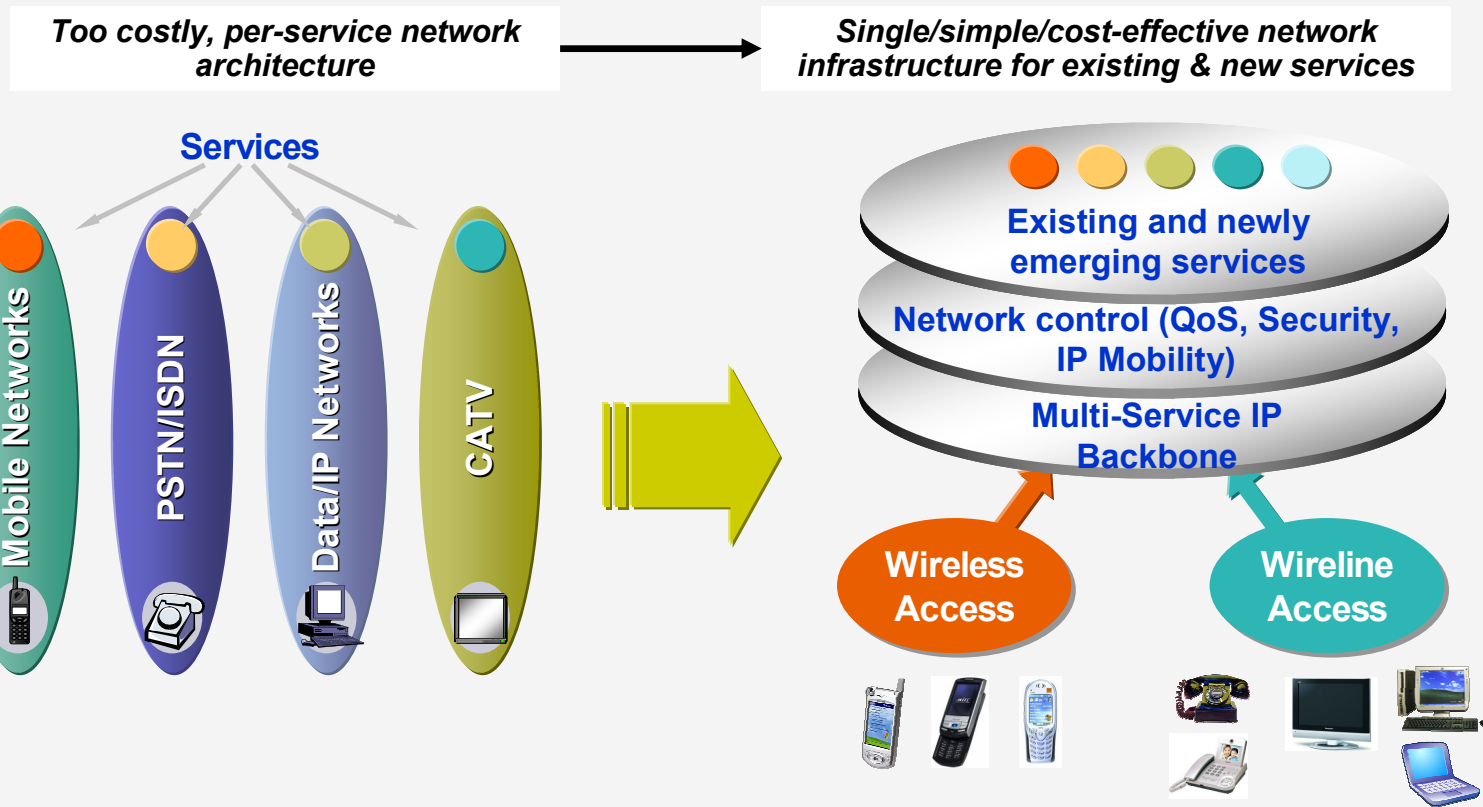
# Value Migration



# Delivery in the Value Chain



# NGN: Making the Value Chain Balanced or more uNbaLancEd?



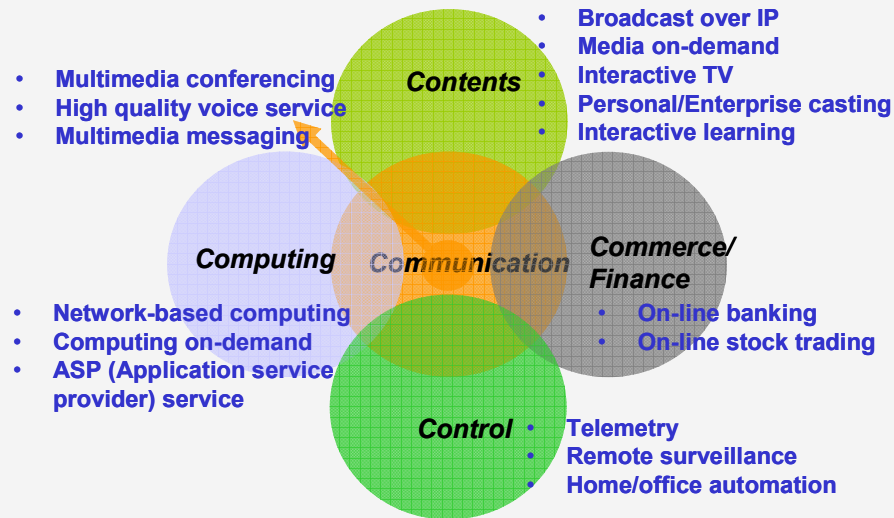
# NGN: Delivering the Diversity/Abundance



Diverse, converged services

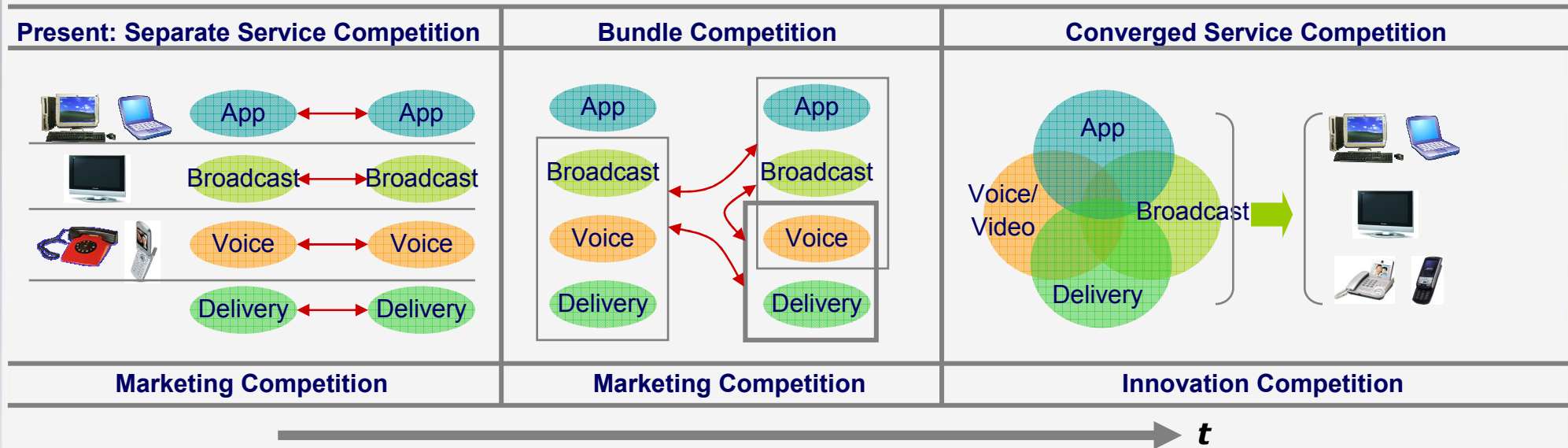
Unified delivery

Diverse, converged terminals



# The Network & Platform Revisited

## Innovation competition is awaiting

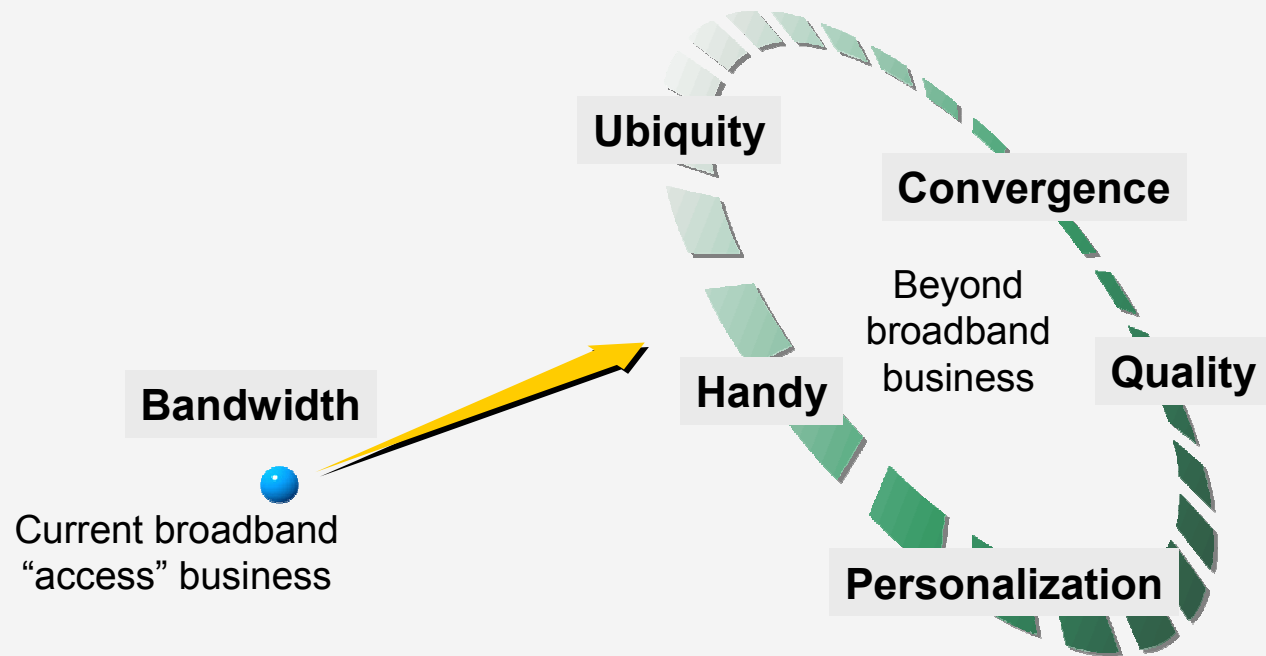


- Differentiation in the network capability
- Fast service creation/delivery platform
- Integrated platform for the upcoming converged services
- Holistic management & maintenance capability



# Focus Change

- Different business: from access to service
- Different focus



## Focus Change (cont.)

**Bandwidth** FTTZ, broadband wireless Internet

**Ubiquity** broadband wireless coverage, FMC networking, seamless mobility

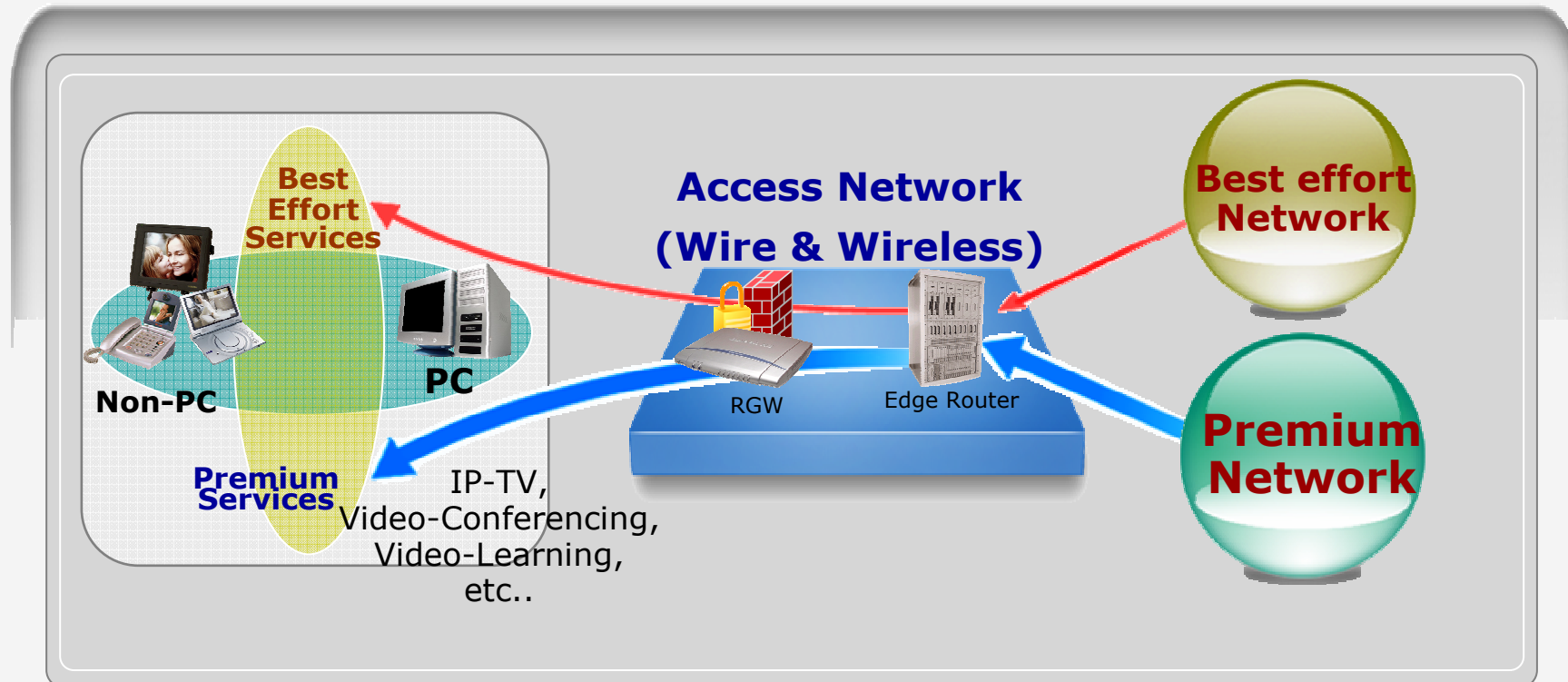
**Convergence** in terminal, in network, in service

**Personalization** network/service intelligence, personal info protection

**Quality** evolution, interoperability

**Handy** easy/consistent UI, plug-&-go installation

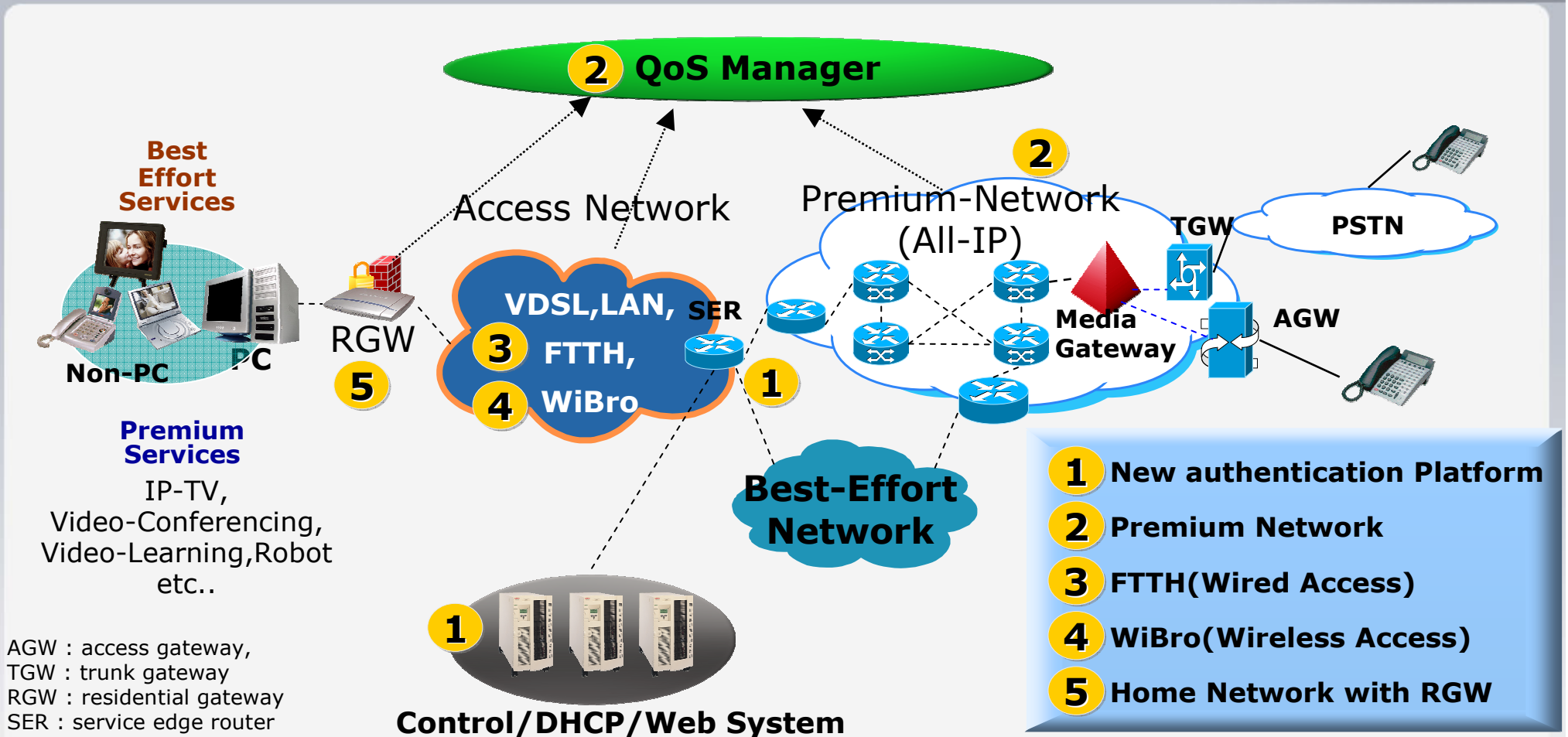
# Network Resource Controllability



## ● Premium network with the high level of QoS & security

- High-value service through bandwidth control of wire & wireless networks
- Offer various differentiated service based on Premium network

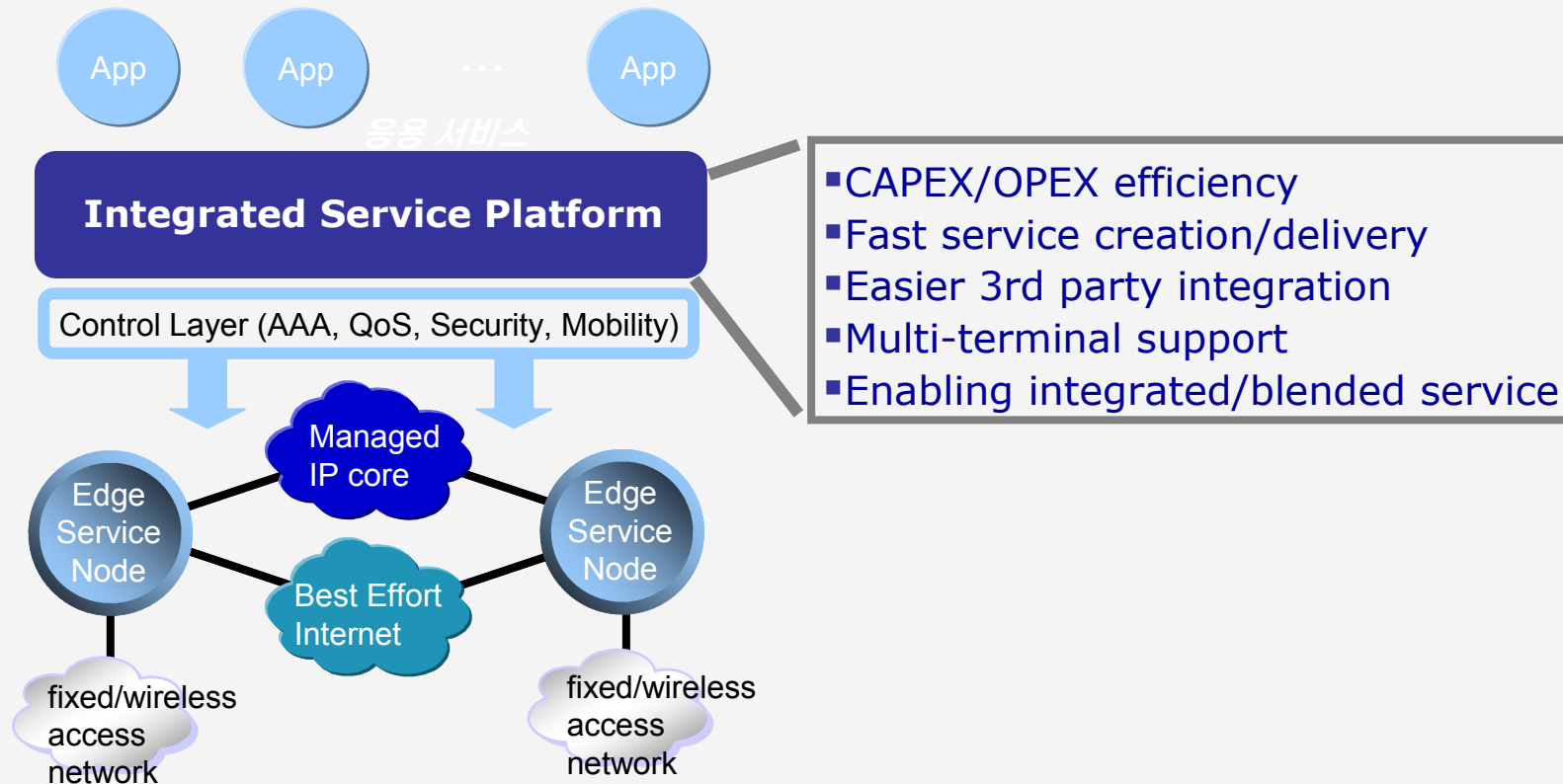
# Managed Broadband Network & Deployment



## Managed access & backbone network as the major leverage

- Strengthen bandwidth control of wire & wireless networks
- Offer various differentiated services based on the Premium network

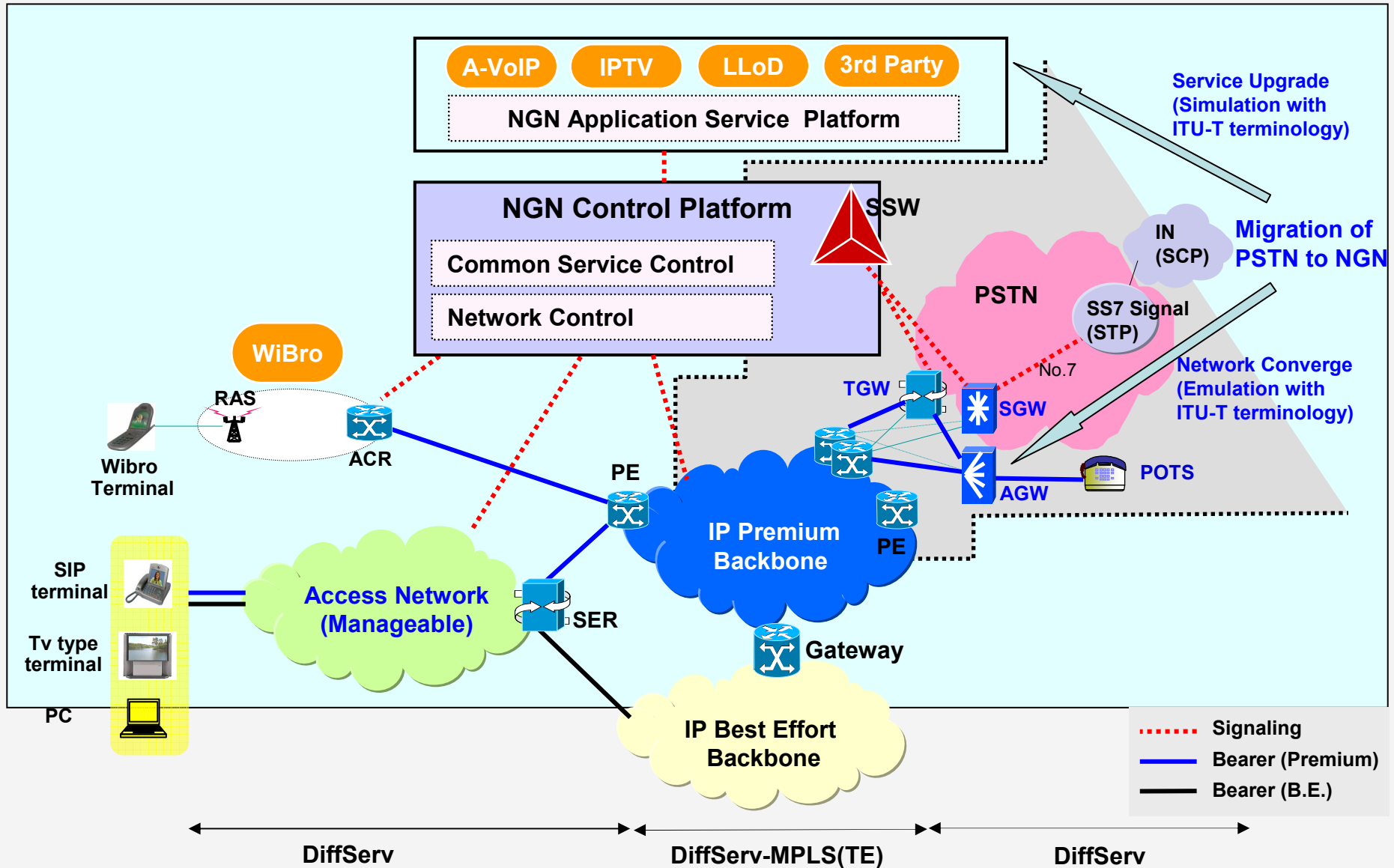
# Platform as Another 1st Class Asset



## History is repeating...

- Telecom Information Networking Architecture (TINA) in the ATM+Corba era
- Integrated Service Platform in the IP+Web Service era

# KT NGN



# Design Concept

● **Efficient accommodation of multiple services over the converged net**

● **Appropriate for the layered structure of NGN**

- removing the complexity application-driven holistic design
- considerations on the new services and additional network resources

## **service traffic design**

- traffic modeling
- end-to-end traffic forecasting
- service platform capacity

## **control network design**

- control node/link capacity
- redundancy plan
- optimal allocation (capacity, reliability)

## **IP transport network design**

- access & backbone capacity
- both managed and best effort traffic
- reliability
- opex-efficient

## **PSTN migration design**

- e2e traffic forecasting
- node/link capacity
- allocation

# Summary

● **Balanced value chain for NGN-based market realization**

● **Innovation competition in the converged service era**

● **Right infra for the right service**

● **Network & platform design**





**Thank You !**