

Beyond Broadband Access

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Broadband Internet in Korea

Beyond Broadband Services

- Features and Directions
- Summary & Remarks





Broadband Internet Business in Korea



(ref: www.krnic.or.



Changing Life Style

Phenomenal increase of broadband Internet usage (ref: isis.nic.or.kr)



- On-line banking: More than 30% of total transactions
- On-line stock trading: More than 50% of total transactions
- e-Commerce: 17% of total commerce transactions
- On-line gaming: Market size 2.5 times the size of console game market
 → Evolving into another type of entertainment area: game league

Two Sides of Broadband Internet Business in Korea

Threat

- Revenue: Saturating market with flat rate Expenditure: Increasing CAPEX/OPEX due to doubling traffic High customer expectation level:
- avr. ~4.5Mbps bandwidth per customer
- customer sensitivity to network quality

Opportunity

- Has established
 - high quality infrastructure
 - Large customer base
 - Opportunities in application
 & value-added services



The Way Broadband is Being Used Today



Where people are using Internet today



- Mainly used for best-effort, data/control/file-oriented, store-&-forward applications
 - seldom used for high quality, interactive/ distributive media servio
- Today's broadband Internet service is limited to
 - specific locations
 - specific time of day
 - specific terminal
 - specific applications

Should overcome these barriers to generate mass application market



Beyond Broadband Service

From simple Internet access to "quality life/work services"





Beyond Broadband Service: Features

Different business

- From access service to end-to-end service
- Both best-effort & quality service
- From network service to solution/application services
- Applications: from niche market to mass revenue market



Bandwidth

Evolving access bandwidth





(Megapass is an umbrella brand for KT's

Ubiquity

Ubiquitous network connectivity

Integrated connectivity with seamless mobility







Wireless LAN Service

Nespot[™] & Nespot Swing[™]

- Nespot: Wireless LAN-based access service
- Nespot Swing: Both WLAN & Cellular service









Portable Internet Service

Portable Internet (PI)

- ~1Mbps speed, mobility > 60km/h, coverage 500m~3km
- Mobility: between WLAN and PI areas





Basic tool for differentiated services from Telcos



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Personalization

Features

- Personalized value-added & application services
- Site authentication → personal authentication
- Single sign-on between network login and application login
- Customer profile-based network setup



Convergence

Fixed & wireless

OnePhone service



Telecommunication & finance

K-Bank service

S Broadband



Telecommunication & broadcasting Digital Home service (Broadband Internet + broadcasting + VoD)



DMB (Digital Multimedia Broadcast)



SBS 🕯



- Easily accessible service through various terminals
- Easy ,simple, intuitive, consistent user interface
- From general purpose PC to appliance-type terminals
- Portable, carriable terminal



VS.







The Next Generation Networks

The following picture has been in place for more than 10 years



NGN: From Vision to Reality

BcN Initiative in Korea

high-quality broadband multimedia services integrating telecom, broadcasting, and Internet seamlessly at anywhere, anytime, and using any devices





Summary & Remarks

- Broadband business in Korea calls for new market
- Next generation broadband:
 - different business & different network
- Networking capabilities for next generation services
- Broadband Convergence Network as an enabler
- Further considerations
 - ✓ Deployment cost
 - Services that pay off
 - Regulatory issues







Thank You

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