

INJE univ. C&C Laboratory

### ITU-APT Regional Seminar

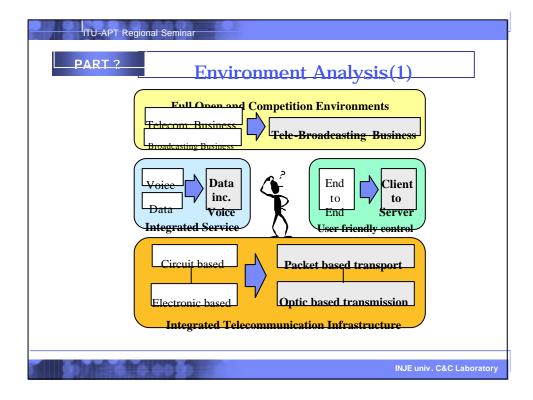
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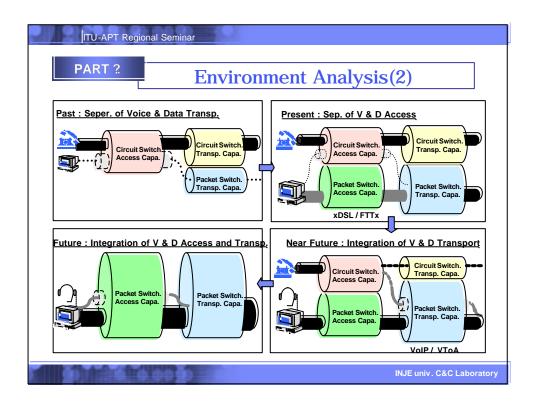
- PART? . BcN Overview
- PART? . Realization of BcN
- PART? . Broadband of Wireless Access
- PART? . Standard Model of BcN
- PART? . Considerations

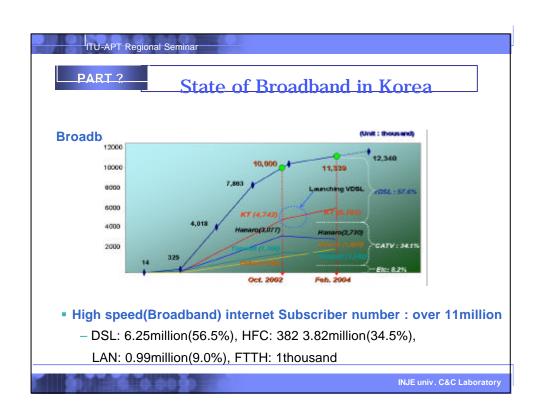
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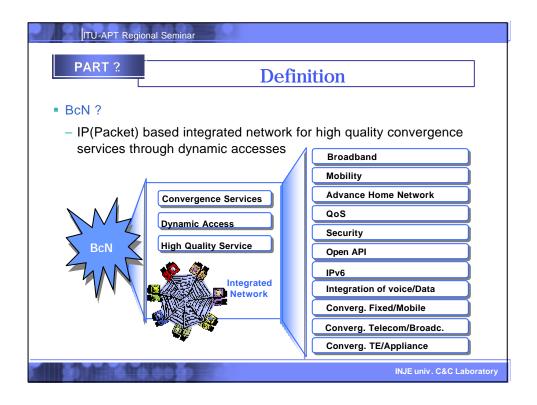
### **PART ? BcN Overview**

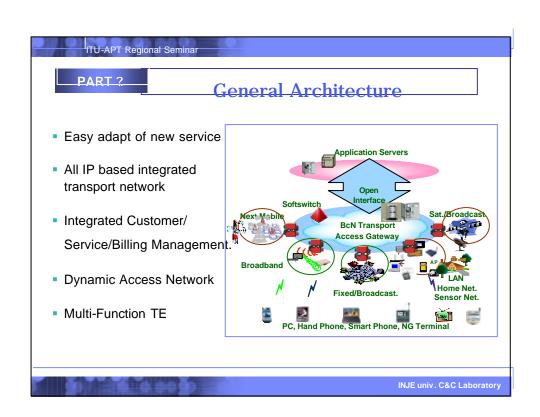
- Environment Analysis
- State of Broadband in Korea
- Definition of BcN
- General Architecture
- Development of User Equipments
- Vision
- Driving Forces Towards BcN
- BcN versus NGN

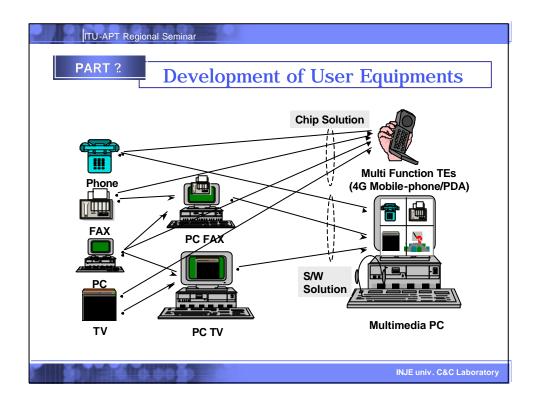


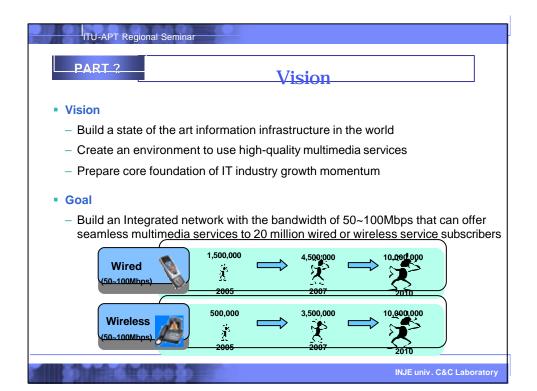












### PART ? Driving Forces Towards BcN

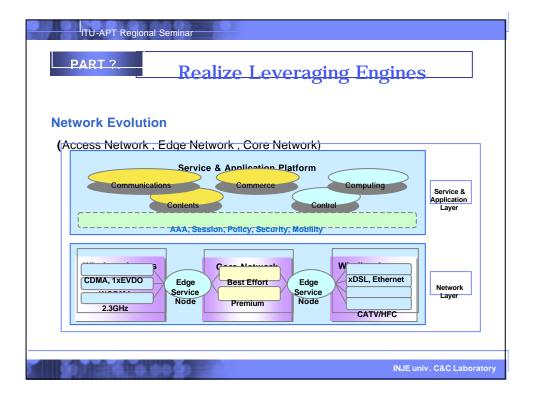
- Need of change communication market architecture(Need of New value added service)
  - Saturation of both Fixed and Mobile telephone services
  - Need of Integrated (Fixed+Wireless) and Convergence (Telecom+Broadcast)
- Need of New Service Paradigm
  - Increase of Service requirements (Flex. of Access, Diversity of Service etc.)
  - Increase of High Quality services
- Need growing energy for IT Business
  - Preparation of New Revenue Stream based on IT Business
  - Development of new high-tech and market

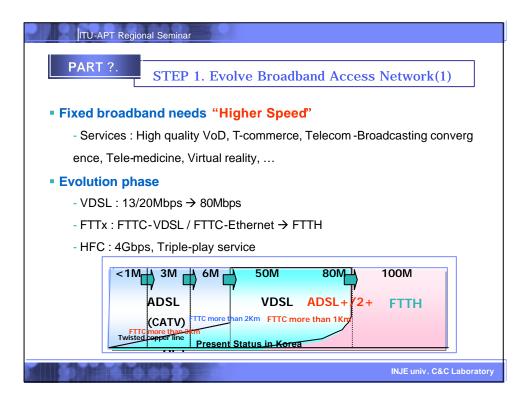
BcN	NGN
(Broadband Convergence Network)	(Next Generation Network)
<ul> <li>2002 NGN, 2003 NGcN, 2004 BcN</li> <li>Convergence of Broadcasting and Telecommunication</li> </ul>	<ul><li>Continuation of GII(1993)concept</li><li>'NGN 2004 Project' in ITU</li></ul>
<ul><li>Terminology</li></ul>	

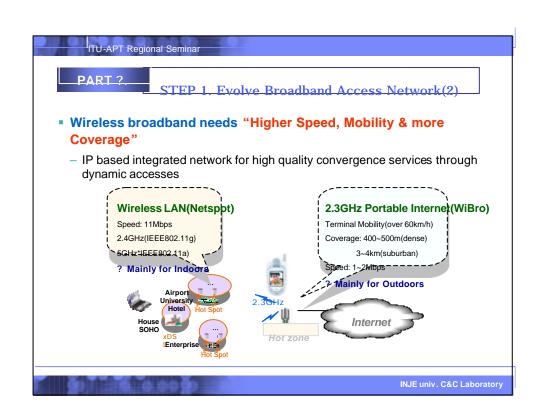
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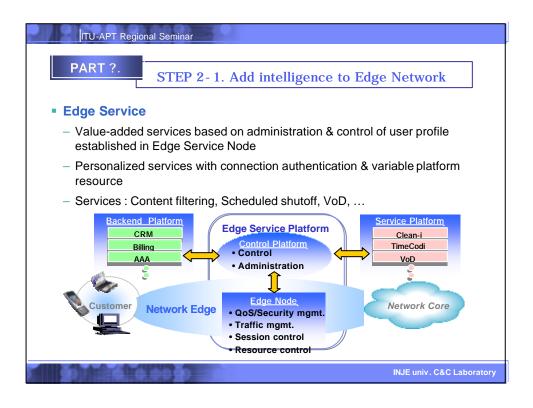
### **PART?** . Realization of BcN

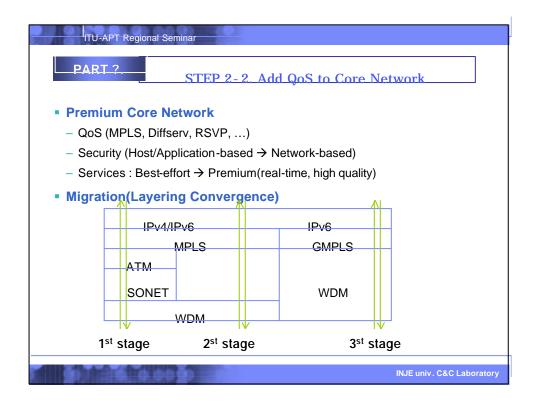
- Realize Leveraging Engines
- STEP 1. Evolve Broadband Access Network
- STEP 2-1. Add intelligence to Edge Network
- STEP 2-2. Add QoS to Core Network
- STEP 3. Home Networking through Broadband
- Final STEP. Broadband convergence Network

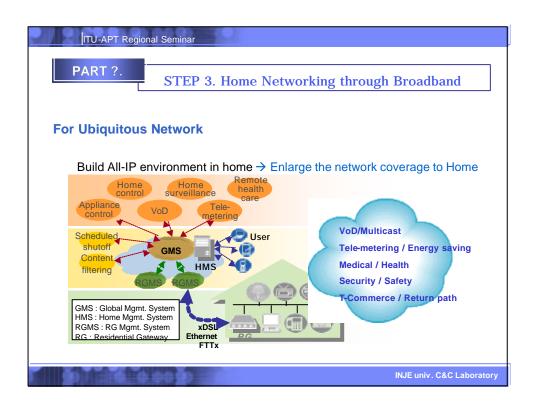


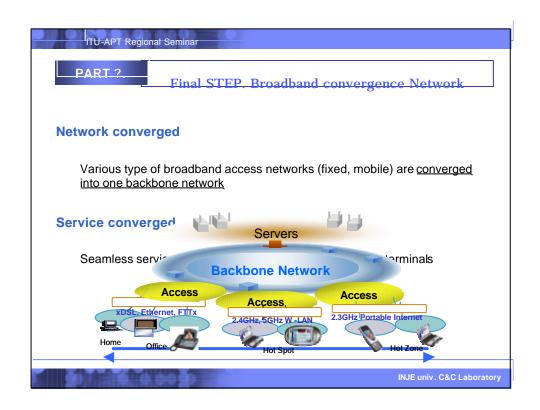




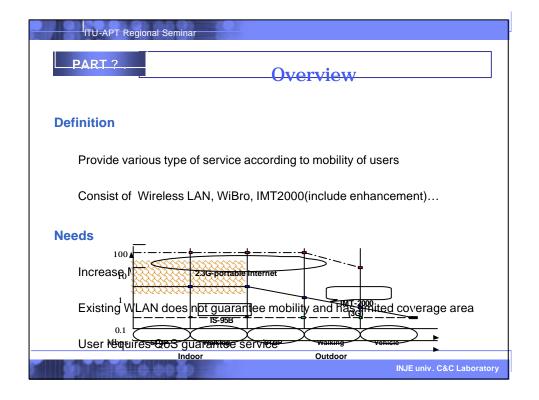








### PART? . Broadband of Wireless Access Overview Driving Plan





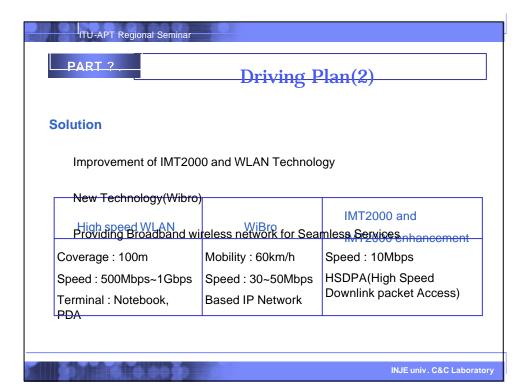
### **Object**

Providing wireless network for the 3G equivalent environment with 60 ~ 100

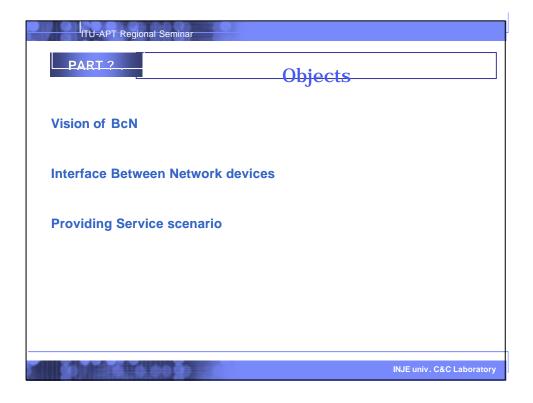
S	to the 10 million	user <b>2005</b>	2007	2010
	WiBro/WLAN	500	3,500	9,500
	4G			500
	Total	500	3.500	10.000

### Strategy

Frequency reallocation and finding new frequency



## PART ? . Standard Model of BcN Objects Driving Status INJE univ. C&C Laboratory



# PART? Driving Status Draft 1.0 (2004.6) Draft 2.0 (2004.12) providing Service Requirement and Verification of Key Technology Guideline for Test Bed and Commercial network Will be continue 2010

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### **PART?** . Considerations

- OAM issues
- Traffic Management Issues
- Complicate charging and accounting
- Killer application
- Profit model

