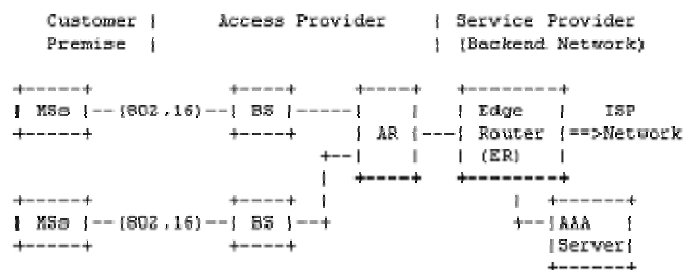


[1] 'IEEE 802.16' 와 'IPv6'의 융합

IEEE 802.16d/e 가 WiMAX(Worldwide Interoperability for Microwave Access) 가
 WiBro(Wireless Broadband) 가
 WiBro 2006
 WiMAX WiBro IPv4
 IPv6 IPv6 가
 WiMAX
 WiBro가 IPv6
 WiMAX Network
 WG (Working Group) IPv6 2005
 , IETF 16ng WG IEEE 802.16 IPv6
 WiBro TTA
 PG210 (IPv6) 'IPv6 over WiBro' 2005

67 IETF v6ops(IPv6 Operation) WG 'IEEE 802.16 IPv6
 Review WG Last Call
 WG Last Call IETF RFC
 Review RFC ETRI
 KT
 Siemens , 65 IETF
 WG Item 66 IETF
 67 IETF Review WG Last Call



< 1> Key Elements of IEEE 802.16(e) Networks

IEEE 802.16 IPv6

1 . 1) MS(Mobile Station), 2) BS(Base Station), 3)
 AR(Access Router) , AR EG(Edge Router) AAA Server ISP
 Network .

IEEE 802.16 IPv6
 1) IEEE 802.16 IPv6
 , 2) IPv6 , 3) Convergence Sub-layer
 (CS) , 가 CS IP CS
 Ethernet CS가 CS가
 . CS (TCP/UDP/IP) (MAC/PHY)

1) Fixed Access 2) Mobile Access
 . Fixed Access xDSL ,
 Mobile Access 가 . Mobile Access
 Subnet 1) MN Prefix 2) MN
 Prefix .

가 IPv6 Addressing, IPv6 Data Transport, IPv6 Routing and Mobility
 . Fixed Access
 Ethernet Bridge Ethernet CS 가 .

IEEE 802.16d/e WiBro WiMAX IPv6 IPv6
 Killer

. 2006 WiMAX NWG, TTA PG210 'IPv6
 over WiBro' , IETF 16ng WG .

IETF 16ng WG
 IT 가 .

WiBro All-IP IPv6
 , 'IEEE 802.16 IPv6

'가 IETF WG Last Call
 가 . WG Last Call

IETF RFC

(, yghan@kut.ac.kr)