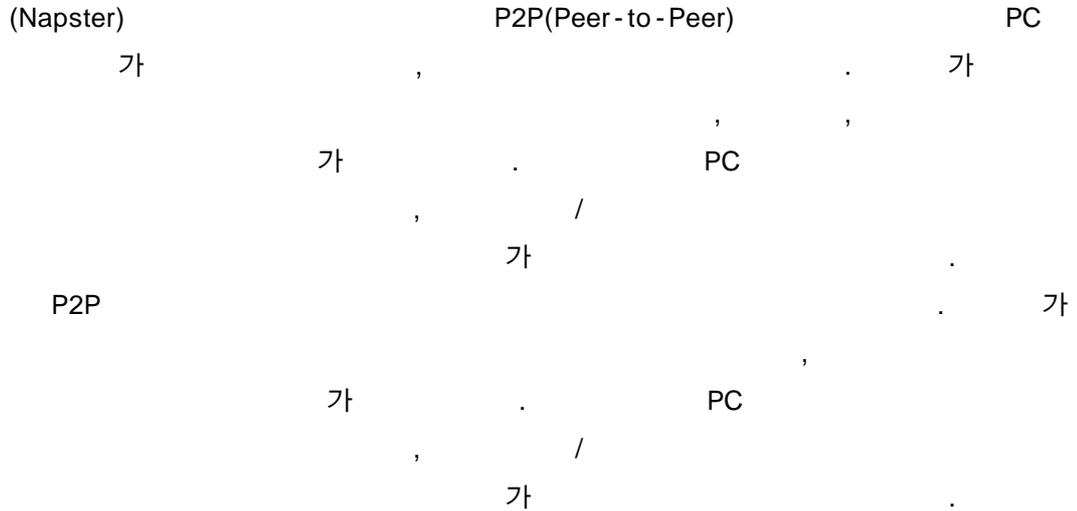


[] P2P(Peer-to-Peer)



P2P

P2P Structured Unstructured
 Gnutella Unstructured P2P 가
 . Flooding Gnutella
 . 가
 Directed BFS technique, Iterative Deepening technique, Routing Indices, Role
 Differentiation, GUESS protocol
 Structured P2P Unstructured
 P2P . Structured P2P DHT(Distributed Hash
 Table) , DHT
 P2P
 kademia, Chord, Pastry, Tapestry, CAN . DHT
 Distributed Storage, File sharing, Web caching ,
 P2P Multicast Tree

P2P IETF, IRTF, ITU-T, 3GPP
 , IETF SIMPLE(SIP for Instant Messaging and Presence
 Leveraging Extensions), XMPP(Extensible Messaging and Presence Protocol) IM

가 , IRTF P2PRG
IETF P2P-SIP . ITU-T P2P

IETF, 3GPP ITU-T

1. IETF

P2P-SIP WG(Peer-to-Peer Session Initiation Protocol Working Group) 65

BoF(Birds-of-a-Feather)

Identifier) SIP URI(Uniform Resource
P2P 가
가
SIP
Proxy
SIP
SIP P2P P2P
Peer SIP P2P

2. 3GPP

3GPP(The 3rd Generation Partnership Project) IMS(IP Multimedia Subsystem)

, P2P

P2P IMS IBM Swisscom
3GPP PCG(Project Co-ordination Group) 4 TSGs(Technical
Specification Groups) , TSG Service and System Aspects
TSG SA WG5 Telecom Management TM(Telecommunication
Management) P2P 가
IRPs(Integration Reference Points)

3. ITU-T

ITU-T SG 17 Q9
P2P 가 , P2P ()
(X.p2p-1) P2P Operation (X.p2p-
2)
P2P (X.p2p-1) P2P

9
, 2008 4 가
(Consent) . P2P (X.p2p-2) P2P
가
P2P
, P2P Operation ,
. X.p2p-2 2008 4 가
가 P2P
P2P
, Skype, Joost, eMul 가
가
Peek-a-Booty, TOR(The Onion Routing)
, P2P
P2P P2P
P2P
(P2P , jhnah@etri.re.kr)