

# An information sharing method among distributed peer activity management server on managing peer's activities in MP2P network

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**(Pt9)Abstract**— Since P2P (Peer-to-Peer) technologies has been widely deployed, P2P-based applications produce tremendous traffic to underlying physical network. Due to the characteristics of P2P traffic, it is hard to predict the pattern of traffic since that traffic occurs between peers rather than specific contents server. In order to solve problems caused by P2P application, there are several activities such as IETF ALTO and ISO 20002 MP2P Framework. Especially, MP2P introduces peer activity management functionalities to keep track of the activity of peer. Even though this function can provide some controllability to P2P service provider, it also may be a bottleneck because many reports will be concentrated into one server. In this paper, we describe a distributed peer activity management method and related issues to be resolved such as synchronization, procedures for server discovery, and procedures for probing remote peer's status.

**(Pt9)Keyword**— P2P, MP2P, PAMS, Distributed PAMS



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