Abstract

Framework telecommunications networks IP Multimedia Subsystem, has many services that are highly sensitive to the QoS that affect the quality of service provided. DiffServ QoS management models that provide IP Based very suitable to be applied to IMS. DiffServ uses the IP header called DiffServ Code Point (DSCP) in the elucidation behavior in each packet that passes through each router.

This research also used as tools OpenIMSCore testbed that can give you an idea using video and voice services in a real situation. Determination DSCP value for video is the AF PHB group and the voice is EF are the optimal recommendation for voice and video

Test results show that the replacement value of differentiated service code point affect the value of quality of service parameters that exist, it can be seen that the best perhob behavior for video produced by assured fordwading and for voice the best result is produced by expedited forwarding

Keywords : IMS, Diffserv , OpenIMSCore, QoS, IP Header, DSCP