Design and Implementation of IMS Service
Continuity between IPTV and mobile

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Abstract— Session Initiation Protocol (SIP) has been widely applied to multimedia telephony service in Broadband Converged Network (BCN). SIP is also adopted as the basic signalling protocol of VoIP and 3GPP. IP multimedia subsystem (IMS) is a SIP based multimedia telecommunication infrastructure in 3GPP. Recently, many mobile operators have selected IMS as a core infrastructure because IMS has a flexible architecture to support converged service to support session mobility from one device to another. Nevertheless, SIP has some drawbacks such as undesirable latency during the session reestablishment procedure. In this paper, we design and implement the enhanced IMS service continuity in order to shorten the session mobility latency. To verify our work, we launched the developed system as a pilot service in our service network.

Keywords— BCN, IMS, Session Mobility, SIP