

ABSTRACT

IP network is considered as a platform for integrated network in near future. Due to the characteristic of IP network, cause difficulty in developing services feature that might give more to the customers.

IN has been given some value added services on telecommunication services today. IN as a smart network, places software as a center of processing that could give flexibility and better capability also give for service or network provider to create, to modify and make some adjustment on telecommunication services.

Integration of IN and IP network are able to find win-win solution that could give for both network subscribers. This Network capable to offer Value added services for their customer, PSTN/IN subscriber and IP subscriber as well.

Prepaid Fixed Line is one of example services offered by VoIP based on IN. Scheme from Prepaid Fixed Line implementation placed IN as center of call processing before continue the call through the VoIP network. IN will determine whether the call is valid or invalid and how the call should be connected. IN places two gateways, they are Signaling gateway and Voice Gateway as an interface between PSTN/IN and VoIP.

From data process of VoIP services on year 2002 such as ASR, OCC and minute growth of prepaid, prepaid fixed line is predicted could give good prospect. Besides, prepaid fixed line also provide many services feature with competitive prices would add some extra point to this service.