

ABSTRACT

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Title : CAMEL Implementation for Mobile Originating Call (MOC) on Prepaid SIM Card in the International Roaming Networks

In addition to postpaid SIM card users, many of the subscribers who are roaming in the international network are prepaid SIM card users also. One of the services most often used by roamers is Mobile Originating Call (MOC). In prepaid numbers there are differences in the call setups, especially for outgoing calls because it uses certain logic during the calls establishment. CAMEL implementation aims to accommodate each prepaid number in order to be able using MOC while roaming in the international network.

Before CAMEL was implemented, prepaid subscribers still possible to make MOC but they must be using USSD Callback, which one this service have less effectiveness for subscribers. After implementation of CAMEL, the performance level will be seen by taking location update and MOC transaction logs of prepaid subscribers who are roaming under international networks within period 26 January – 8 February 2019 in every 03:00 PM - 06:00 PM in GMT+7.

Keywords:

international roaming, GSM, CAMEL, prepaid, location update, MOC