

The present invention is also directed towards providing a method for facilitating local data services for the users. The gateway / exchange receiving a location update message of the users. The gateway is connected to the ecosystem of operators, having at least one VPMN and optionally an HPMN. The gateway
5 configuring APN of the users who are roaming in the VPMN, wherein the APN is configured using an interface that maintains a bi-directional connection with the gateway and users' mobile devices' user interface.

According to a first aspect of the present invention, there is provided a communication exchange system, the system comprising: an ecosystem of a plurality
10 of operators, having one or more HPMN and VPMN operators; a gateway for facilitating local data services for a user of a plurality of users, wherein the user is roaming in a visited network (VPMN) over existing roaming relationship between the VPMN and a home network (HPMN), by configuring an Access Point Name (APN) of the user; and an interface maintaining a bi-directional connection with the gateway
15 to exchange information related to the roaming services, and a bi-directional connection with the user via a user interface of a mobile device of the user.

According to a second aspect of the present invention, there is provided a method of facilitating local data services for a user of a plurality of users, the method
20 comprising: receiving a location update message of users at a gateway, the gateway being a communication exchange system having an ecosystem of a plurality of operators, having one or more HPMN and VPMN operators; and configuring APN of the user to enable their local data services when the user is roaming in the VPMN, the local data services being enabled via an interface that maintains a bi-directional
25 connection with the gateway and a user interface of a mobile device of the user.

Brief Description of Drawings

In the drawings, the same or similar reference numbers identify similar elements or acts.

30 FIG. 1 illustrates a system for implementing Communication exchange for local data service, in accordance with an embodiment of the present invention;

FIG. 2 represents a flowchart for implementing Communication exchange for local data service, in accordance with an embodiment of the present invention;

35 FIG. 3 represents a flow diagram for implementing the communication exchange in monitoring mode, in accordance with an embodiment of the present invention;

FIG. 4 represents a flow diagram for implementing the communication exchange in proxy mode, in accordance with an embodiment of the present invention;

FIG. 5 represents a flow diagram for implementing the communication exchange in proxy mode for hard steering, in accordance with an embodiment of the present invention;

5 FIG. 6a represents a flow diagram for implementing end to end interactions for activation of local data services, in accordance with an aspect of the present invention;

 FIG. 6b represents a flow diagram for implementing end to end interactions for activation of local data services, in accordance with another aspect of the present
10 invention;

 FIG. 7 represents a flow diagram for implementing activation of local data services via USSD channel, in accordance with an embodiment of the present invention;