

DRAWINGS

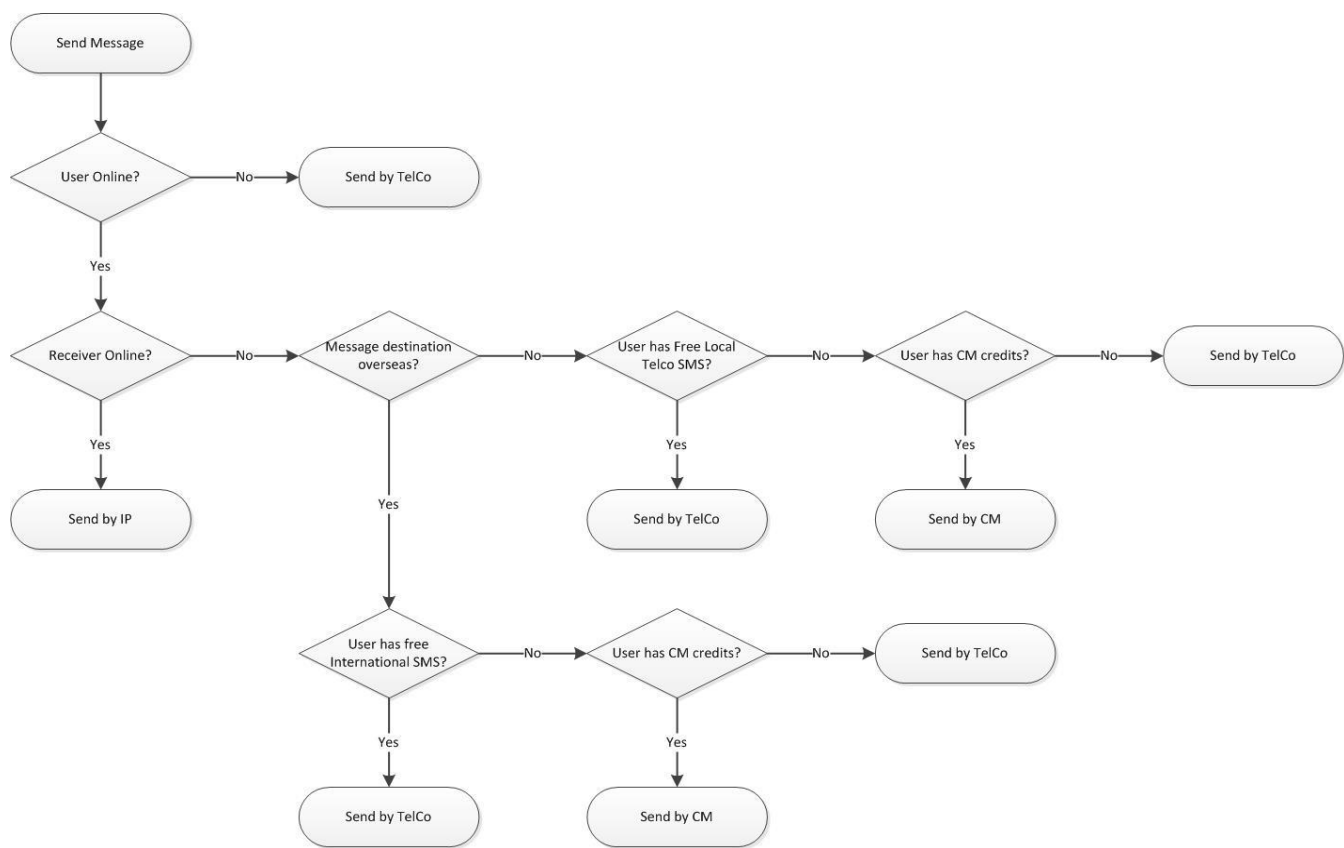


FIGURE 1 – FLOW AND LOGIC OF SMRE

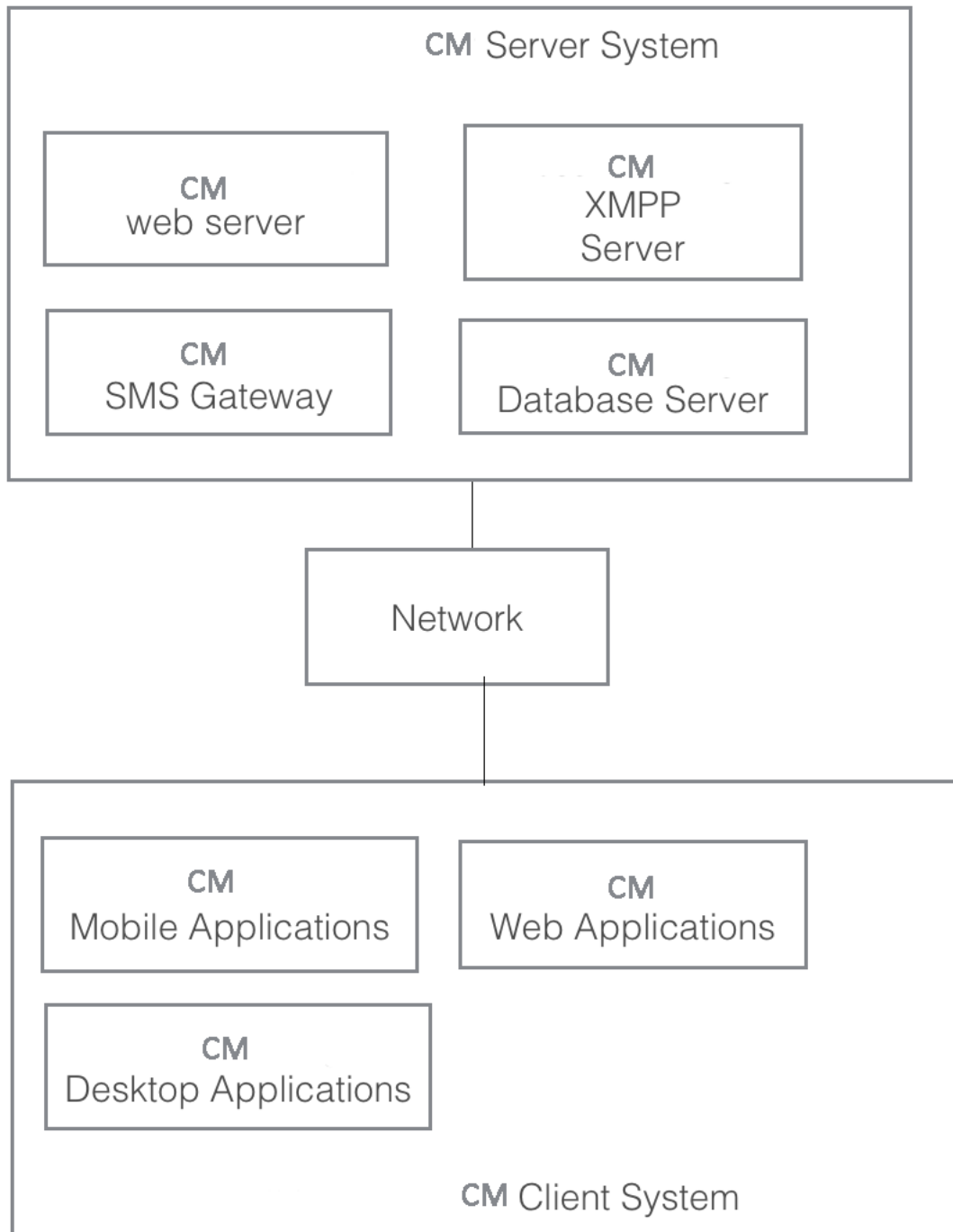
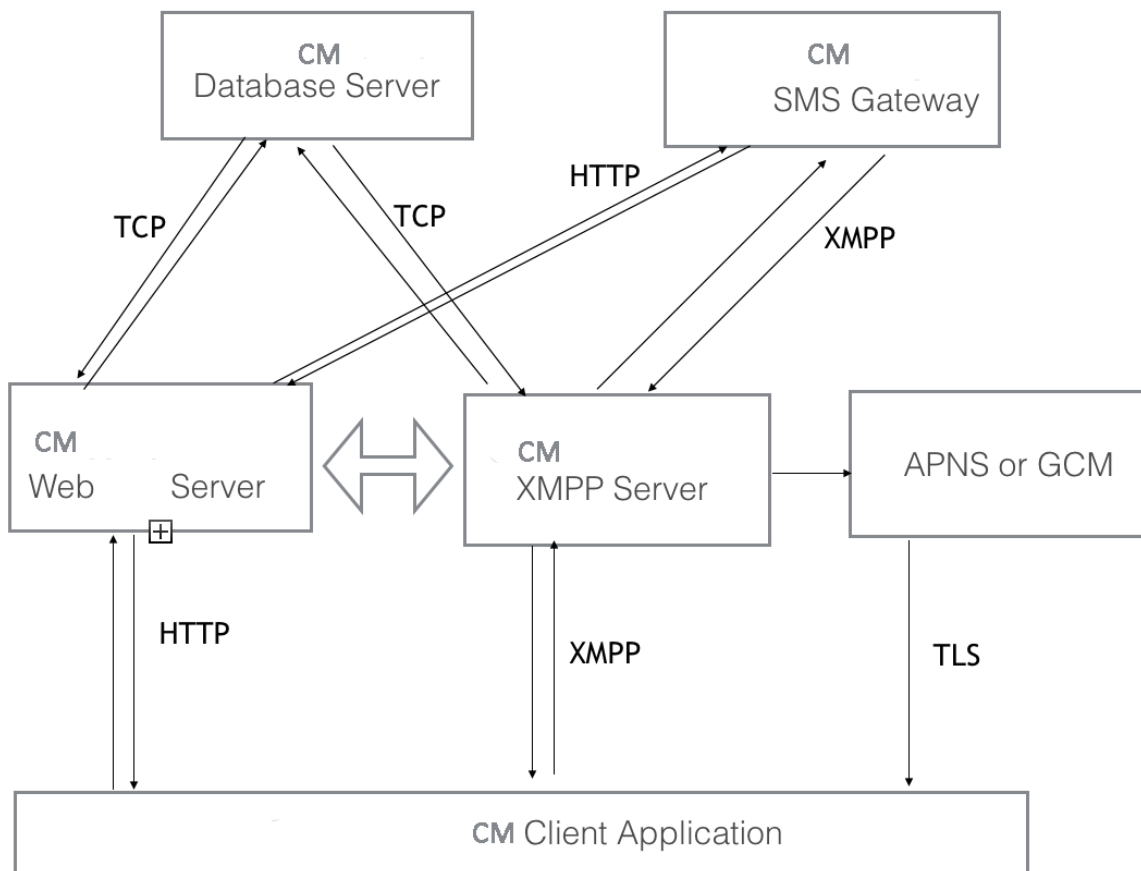


FIGURE 2 – COOEE MESSENGER SYSTEM



SYSTEM DATA FLOW DIAGRAM

FIGURE 3 – SYSTEM DATA FLOW DIAGRAM

Explanation:

APNS – Apple Push Notification Server. Messages are sent to APNS when user is not using our application, and APNS pushes message to corresponding Apple device.

GCM – Google Cloud Messaging server. Messages are sent to GCM server when user is not using our application, and GCM pushes message to corresponding Android device.

HTTP – HyperText Transport Protocol

TCP – Transmission Control Protocol. This protocol is used for initializing the sockets between client and server. This protocol tells the communicating parties to keep the connection alive till they do not need the connection.

TLS – Transport Layer Security (TLS) is a protocol that ensures privacy between communicating applications and their users on the Internet. When a server and client communicate, TLS ensures that no third party may eavesdrop or tamper with any message.

Web Server - Web server runs on top of the TCP/IP protocol. Web Server is used for HTTP

communication with client. To make CM web available for users It must be hosted on web server. Web server is also used for getting contacts list and for image, file and documents uploading.

XMPP – Extensible Messaging and Presence Protocol