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Basics of Telecom Billing by [James Blee](#)

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The telecom domain is presently one of the fastest growing industrial sectors round the globe. Starting from the traditional landline phones to the newer models of mobile sets, there are so many options available for people nowadays. However, the user charges do vary from place to place and type to type depending on the tariffs set by the service provider. Irrespective of whether a person is using a prepaid or a postpaid connection, having an efficient telecom billing system is a basic necessity of the ISP's to be able to track down the user usage correctly and bill the client accordingly.

The call rates are primarily governed based on the network costs associated with the calls. For instance, the network charges are considerably lower for the shorter distance local calls whereas international calls associate a fairly high network charge. Therefore, the tariffs of local calls are always much cheaper compared to the longer distanced international calls. Therefore, the function of the telecom billing solution is to correctly determine the network charges and bill the customer appropriately.

With advent of 3G, the mobile phones are not only restricted to voice communication over a channel. Nowadays, it has turned to be a cheap source for both voice and data communication from one destination to another. Internet facilities are available with many of the modern day mobile sets. This means that it is the additional task of the telecom billing systems to be able to calculate the charges for both data and voice communication separately and list down the details in the bill before sending to the clients. These are presently done with the help of the advanced software applications.

Not only software, any telecom systems relies upon a combination of both software and hardware, where hardware is meant to serve as a platform upon which software operates in order to provide the pre-requisite details.

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