

Chapter 2

Mobile Communication

The dictionary definition of mobile is capable of moving or being moved, movable (<http://www.merriam-webster.com/dictionary/mobile>). Mobile technology considers the portable, movable and usable movement devices and the systems that operate such devices. Therefore, mobile technology has a tremendously wide scope with the services it presents, the installation systems and the devices used on such systems. The developments in this technology come out in dizzying speed. The realized innovations offer people the means of life that gradually mobilize and merge into very different options. In this section, first the definition of mobile communication is examined in detail and the issues and characteristics regarding how it became involved in life and popularized are discussed.

Special care is shown for systems such as the wireless internet and GPS-Galileo which support mobile communication. Their features and the means provided by these systems are explained. The technological developments in mobile communication began from 0G with the establishment of communication satellites, mobile phones and radio connections, and with the formation of global telephone networks and wideband areas, and they are now detailed up to 4G, which is to take place in our lives in the future. At this stage, especially the 2.5G system used in our present time technology and also Bluetooth, ultra wide band, ad hoc wireless systems that have been developed in transition to 3G are also interrelated. Besides, the mobile phone is the most commonly used device of mobile communication and its features are also discussed.

Finally, the development of mobile communication with user dimensions is evaluated and its various functions added compared to other means of communication are discussed.

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DEFINITION OF MOBILE COMMUNICATION

Mobile communication, most simply, is the type of communication provided via mobile devices. As a means, which cannot be limited to individual movements, activity in mobile communication is related with the changing places of the individual in the process of life. The continuity of the mobile communication arises from the continuous togetherness of the communication tool with the individual who always carries the device everywhere.

The fastest developments in terms of mobile life are related with the field of communication. Changes have arisen in parallel to the previously developed technologies in mobile communication. The obtained developments in this regard have rapidly been included in life in the last decade and a brand new communication style and technologies which support this style have arisen.

Mobilization previously showed itself with wireless telephones as the devices used by certain sections. After the use of mobile computers expanded, the opportunity of reaching information from anywhere instead of reaching it in its place has been provided. As the functions of the mobile phone interlaced with those of computers, the opportunity for active individuals to communicate regardless of place, time and location also arose. These opportunities provided the person to possess a memory where he or she can communicate and keep records related with business, and made the functions of the already available devices as usable as possible everywhere. Mobile communication is communicating via tools and instruments that are produced with mobile technologies (<http://www.allwords.com/word-mobility.html> retrieved 4/23/2009).

According to its general definition, communication is the exchange of ideas and information mutually between two people, two groups or within groups through talk, certain signals, writing or behaviors. The transfer of data from one system to another is also expressed as communication (books.nap.edu/html/up_to_speed/appD.html 6/23/2008). According to Fabun (1968) communication is the transfer of meaning.

By looking at technological changes and developments at present, it is noted that a transition has been experienced in the use of mobile devices mainly communication via Internet, and mobile phone technologies have gradually gained weight in communication. Indeed, communication can now be easily established and managed via palmtop computers as well as mobile phones.

The mobile paradigm is gradually developing. On implementations made with mobile instruments, very big changes can be observed in very frequent intervals. Mobile devices are rapidly transforming into multi-function platforms which can transfer sound, data or multimedia applications.

For the time being, mobile communication can be evaluated as the final point of existing technologies on communication. Mobile communication is the transfer of the communication, information, message, thoughts or meanings via mobile devices at both synchronous and asynchronous times.

Mobile communication does not only consist of speaking on mobile phone. Similar to all other technologies, the formation and development or use of self-information, produces and maintains the spread of relevant information. Mobile devices are used in countless areas (science, studies, politics, tourism, marketing, management etc). It is noted from the micro perspective that they provide active use in the fields oriented towards management and realization of corporate policy and the operation of the control mechanisms in the work environment. Therefore, it densely takes its place as a success providing the communication environment in business management and marketing. Although palmtop computers, iphones and Blackberry's have been developed and recently added into the field of communication in a different style, it is seen that the most commonly used device for this type of communication is the

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