

The Focal Illustrated Dictionary of Telecommunications

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FOR EVERY TITLE THAT WE PUBLISH, BUTTERWORTH-HEINEMANN
WILL PAY FOR BTCV TO PLANT AND CARE FOR A TREE.

MNP: *Microcom Networking Protocol* or *Mobile Number Portability*.

Mobile Application Part (MAP): The *signalling* interface defined in the *GSM* architecture. It is based on *ITU-T Signalling System No. 7 (SS7)* and it allows the mobile *user* to roam between *networks*.

mobile communications system: Systems which allow communications to take place between mobile *terminals* and between fixed and mobile terminals. Examples are *cellular radio systems*, *Personal Mobile Radio (PMR)*, *paggers*, etc.

mobile data: A generic term used to describe various systems which are used to transmit *data* rather than *voice* to and from mobile *terminals*. It can be based on several technologies, such as *cellular radio systems*, *Private Mobile Radio (PMR)*, etc.

mobile Earth station: An *Earth station* which is part of the *Mobile Satellite Service (MSS)* and can be used either whilst in motion or from different fixed locations.

mobilefax: *Facsimile transmission* which uses a *radio channel* so that documents can be transmitted and received whilst the facsimile unit is mobile. *Cellular radio systems* are usually used for this.

mobile location register: See *location register*.

mobile mounting kit: Usually refers to the equipment which is used to connect a cellular telephone in a vehicle. The telephone uses the same power supply and *antenna* as the car radio so that reception is improved. These kits also allow the *terminal* to operate as a *handsfree telephone*, for safety.

Mobile Number Portability (MNP): *Number Portability (NP)* applied to *mobile phones*.

mobile phone: Generic term used to describe any *telephone* which uses *radio waves* for communications. For example, telephones used in a *cellular radio system*, in *Private Mobile Radio (PMR)*, in *Cordless Telephony (CT)*, etc.

Mobile Satellite Service (MSS): The use of *satellites* to provide mobile services, such as *voice*, *data*, position location, etc.

Mobile Station ISDN number (MSISDN): One of the elements of a *numbering plan* for a *cellular radio system*. It is the *telephone number* of a *subscriber* and conforms to the conventional number format as specified in *ITU-T Recommendation E.164*. This can be mapped onto the *International Mobile Subscriber Identity (IMSI)* by the *Home Location Register (HLR)*.

Mobile Switching Centre (MSC): *Exchange* used in a *cellular radio system*, which is equipped to connect to several *base stations*, as shown in Figure C.12. The MSC connects to other MSCs, and to the *Public Switched Telephone Network (PSTN)*, by fixed *lines*, and so provides the interconnection between the *wireline system* and the *wireless system*.

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Figure M.1