

Electronic Communication Systems

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Telephone exchange It facilitates the establishment of communication circuits, A telephone exchange, telephone switch, or central office is a central component of a telecommunications system in the public switched telephone network (PSTN) or in large enterprises. telecommunications system in the public switched telephone network (PSTN) or in large enterprises. It facilitates the establishment of communication circuits, enabling telephone calls between subscribers. The term "central office" can also refer to a central location for fiber optic equipment for a fiber internet provider 46b5a23090

History of virtual learning environments The Annenberg/CPB project (funded by the Annenberg Foundation) publishes Electronic text A Virtual Learning Environment (VLE) is a system specifically designed to facilitate the management of educational courses by teachers for their students. It predominantly relies on computer hardware and software, enabling distance learning. SumTotal Systems which offers a complete Learning Management solution. In North America, this concept is commonly denoted as a "Learning Management System" (LMS) 46b5a23090

Radiotelegraphy was the first... 46b5a23090

Mobile radio There are a variety of views about what constitutes mobile equipment. An obsolete term is radiophone. Early users Mobile radio or mobiles refer to wireless communications systems and devices which are based on radio frequencies (using commonly UHF or VHF frequencies), and where the path of communications is movable on either end. For US licensing purposes, mobiles may include hand-carried, (sometimes called portable), equipment. Certain modern two-way radio systems may have full-duplex telephone capability. Specialized Mobile Radio (ESMR) or conventional two-way systems 46b5a23090

Communications in Iran 9 percent. According to the Electronic Journal on Information Systems in Developing Countries (EJISDC), the information and Iran's telecommunications industry is almost entirely state-owned, dominated by the Telecommunication Company of Iran (TCI). Fixed-line penetration in 2004 was relatively well-developed by regional standards, standing at 22 lines per 100 people, higher than Egypt with 14 and Saudi Arabia with 15, although behind the UAE with 27. billion by 2014 at a CAGR of 6. Iran had more than 1 mobile phone per inhabitant by 2012 46b5a23090

Telephony is commonly referred to as the construction or operation of telephones and telephonic systems and as a system of telecommunications in which telephonic equipment is employed in the transmission of speech or other sound between points, with or without the use of wires. The term is also used frequently to refer to

computer hardware, software, and computer network systems, that perform functions traditionally performed by telephone equipment. In this context the... 46b5a23090 Beyond traditional voice communication, digital mobile phones have evolved to support a wide range of additional services. These include text messaging, multimedia messaging, email, and internet access (via LTE, 5G NR or Wi-Fi), as well as short-range wireless technologies... 46b5a23090 Typical walkie-talkies resemble a telephone handset, with a speaker built into one end and a microphone in the other (in some devices the speaker also is used as the microphone) and an antenna mounted on the top of the unit. They are held up to the face to talk. A walkie-talkie is a half-duplex communication... 46b5a23090

Wireless telegraphy At the receiver the pulses are audible in the receiver's speaker as beeps, which are translated back to text by an operator who knows Morse code. The successful solution to this problem was Wireless telegraphy or radiotelegraphy is the transmission of text messages by radio waves, analogous to electrical telegraphy using cables. In radiotelegraphy, information is transmitted by pulses of radio waves of two different lengths called "dots" and "dashes", which spell out text messages, usually in Morse code. Before about 1910, the term wireless telegraphy was also used for other experimental technologies for transmitting telegraph signals without wires. magnetic induction systems, ground conduction, conduction through bodies of water, and light beam systems. In a manual system, the sending operator taps on a switch called a telegraph key which turns the transmitter on and off, producing the pulses of radio waves 46b5a23090

Iran has a population of 80 million with some 56% of Iranians under the age of 25. In 2008, there were more than 52,000 rural offices, providing Telecom services to the villages across the country. The number of fixed telephone lines is above 24 million, with penetration factor of 33.66%. In 2012, there were 43 million internet users in Iran, making the country first in the Middle East in terms of number. As... 46b5a23090

List of telephone switches Norstar Key Systems 308 616 824 Modular Norstar CICS (Compact Integrated Communication System) Norstar MICS (Modular Integrated Communication System) Nortel This list of telephone switches is a compilation of telephone switches used in the public switched telephone network (PSTN) or in large enterprises 46b5a23090

Wireless OWC systems operating in the visible band (390–750 nm) Wireless communication (or just wireless, when the context allows) is the transfer of information (telecommunication) between two or more points without the use of an electrical conductor, optical fiber or other continuous guided medium for the transfer. It encompasses various types of fixed, mobile, and portable applications, including two-way radios, cellular telephones, and wireless networking. Other examples of applications of radio wireless technology include GPS units, garage door openers, wireless computer mice, keyboards and headsets, headphones, radio receivers, satellite. The most common wireless technologies use radio waves. With radio waves, intended distances can be short, such as a few meters for Bluetooth, or as far as millions of kilometers for deep-space radio communications. It is generally

used in short-range communication; extensions exist for long-range and ultra-long range 46b5a23090

Telephony codec-filters, widely used in electronic switching systems for telephone exchanges, private branch exchanges (PBX) and key telephone systems (KTS); user-end modems; Telephony (tə-LEF-ə-nee) is the field of technology involving the development, application, and deployment of telecommunications services for the purpose of electronic transmission of voice, fax, or data, between distant parties. The history of telephony is intimately linked to the invention and development of the telephone 46b5a23090

Mobile phone as well as business applications and payment solutions (via scanning QR codes or near-field communication (NFC)). This radio frequency link connects to the switching systems of a mobile phone operator, providing access to the public switched telephone network (PSTN). Modern mobile telephony relies on a cellular network architecture, which is why mobile phones are often referred to as 'cell phones' in North America. Mobile phones offering only basic features A mobile phone or cell phone is a portable telephone that allows users to make and receive calls over a radio frequency link while moving within a designated telephone service area, unlike fixed-location phones (landline phones) 46b5a23090

In historical perspective, telecommunication terminology has evolved with time. The term telephone exchange is often used synonymously with central office, a Bell System term. A central office is defined as the telephone switch controlling connections for one or more central office prefixes. However, it also often denotes the building used to house the inside plant equipment for multiple... 46b5a23090 A sales person or radio repair shop would understand the word mobile to mean vehicle-mounted: a transmitter-receiver (transceiver) used for radio communications from a vehicle. Mobile radios are mounted to a motor vehicle usually with the microphone and control panel in reach of the driver. In the US, such a device is typically powered by the host vehicle's 12 Volt electrical system... 46b5a23090

Walkie-talkie Such systems always work with A walkie-talkie, more formally known as a handheld transceiver, HT, or handheld radio, is a hand-held, portable, two-way radio transceiver. Gross, Henryk Magnuski and engineering teams at Motorola. of trunked radio systems, which dynamically allocate radio channels for more efficient use of the limited radio spectrum. Its development during the Second World War has been variously credited to Donald Hings, radio engineer Alfred J. First used for infantry, similar designs were created for field artillery and tank units, and after the war, walkie-talkies spread to public safety and eventually commercial and jobsite work 46b5a23090

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