

Pentaconta

Pentaconta automatic switching equipment, belonging to the crossbar system. The PC-32 model was used for the automation of the telephone service in rural areas, where it was not feasible to install a Rotary.

System 1240

The digitisation of the telephone network allowed the deployment of services that could not be provided with the previous electro-mechanical equipment. The development of System 1240 – carried out by Bell Laboratories, with the participation of Telefónica and Standard Eléctrica – reduced the need for both space and staff. For instance, to cover a service with 40,000 lines, only 7 people were needed. By 1988, there were already more than 8 million System 1240 lines installed in 5,412 exchanges.

MSC (mobile)

Mobile switching centre responsible for controlling and managing all calls and other services of the cellular network. It is one of the most important components of a mobile telecommunications network.

Passport 160

Equipment that allows the transmission of data, voice, video, etc., at speeds of 155 GHz/s. It was used in Red UNO, the Spanish public data communications network for large corporations. More than 95% of the financial sector's communications were carried out through this service.

Synchronous digital hierarchy

Equipment for data transmission, which provides high bandwidth, uses fibre optics, and can transmit 30,720 telephone channels simultaneously. It also worked for the transmission of *Red Digital de Servicios Integrados* (RDSI), a widespread network-technology before the advent of ADSL.

APM BPX-8600

Switching equipment that facilitates broadband information transmission in Internet Protocol (IP) Mode, and which also provides services for narrowband IP network.